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The Course Catalog is your informational guide to courses, programs, academic policies, degree requirements, faculty teaching credentials and general information about Missouri State University-West Plains. As a key resource, this catalog will guide you along your particular path toward graduation and success. In addition to the information about Missouri State-West Plains and its programs and services, this catalog provides information concerning a select number of undergraduate and graduate degrees from Missouri State University-Springfield that are offered on the West Plains campus through the Missouri State Outreach program.

## Which catalog should I follow?

Missouri State-West Plains issues a new catalog each academic year. The semester and year of the student's first enrollment as a degree-seeking student at Missouri State-West Plains (excluding dual credit or dual enrollment) determines which catalog must be followed in order to satisfy specific degree requirements. PDF versions of prior catalogs are available in the Catalog Archive. The July 1 version of each catalog is the 'catalog of record' for each respective academic year.

## Additional Resources

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## Preliminary edition

2021-22 (effective Fall 2021)

## Publishing schedule

### April

#### Preliminary edition

(effective fall - summer)

### July

#### [Official edition](#)

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# General Campus Information

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# Academic Policies and Campus Requirements

## Academic policies

In addition to satisfying all degree requirements below, students should be familiar with the campus' [Academic Policies and Procedures](#). Students are encouraged to consult with their academic advisor or the office of the registration and records if they have questions regarding any of the academic policies. **Note:** these policies may change from year to year and such changes apply to *all* future, current, continuing and returning students.

## Degrees offered

**Certificate:** Certificate programs meet specific, short-term training and educational needs of students by combining core and specialty courses into focused, flexible training packages that more immediately meet employment needs. If a student later decides to seek advanced education, many of the certificate courses may be combined with the advanced courses for associate of applied science degrees.

**Associate of Arts Degree (AA):** The Associate in Arts (AA) degree is designed for those intending to transfer to a four-year college, majoring in areas such as the arts, humanities, social sciences, education or general studies. In addition, the AA degree provides the most flexibility for students undecided about a transfer college or major. Refer to the specific degree program page for information.

**Associate of Science Degree (AS):** A specialized degree intended to transfer into a pre-professional degree, the AS allows students to enter the workforce and/or transfer into a bachelor's degree completion program. Refer to the specific degree program page for

information.

**Associate of Applied Science Degree (AAS):** A specialized degree that is primarily an occupationally oriented degree, the AAS allows recipients of this degree to enter a particular job market. While not designed as transfer degrees, some AAS degrees can be used as the first two years of a Bachelor of Applied Science degree; however, students will need to take additional general education courses, as well as courses in the major field. Refer to the specific degree program page for information.

**Early Degree Program:** The Early Degree Program allows eligible juniors and seniors to simultaneously fulfill high school graduation requirements and Missouri State University–West Plains degree graduation requirements. The goal of this program is to provide a unique educational opportunity for academically meritorious high school students. Participating students attend classes at Missouri–State West Plains on Monday through Thursday and attend high school classes on Fridays. High school students interested in this option should contact their high-school counselor.

**Dual Credit Program:** Dual credit courses enable high school students to receive, simultaneously, both high school and college-level course credit. Missouri State University–West Plains has agreements with area high schools to provide high-performing high school students an affordable opportunity to experience high college-level courses. High school students interested in this option should contact their high-school counselor. Refer to "Dual Credit" for information.

**Distance Learning:** Opportunities for students to earn credit without traveling from their home area are available through distance learning technology. Students may receive courses from the West Plains campus sent to their home communities, be in a class on the West Plains campus that originates in another location, or take a course online. Refer to the specific degree program page for information.

**Bachelor's and master's degrees::** Missouri State University-Springfield offers bachelor's, master's and specialist degree programs on the West Plains campus through the Missouri State Outreach program. By using interactive video and on-site instruction, entire degree programs can be completed on the Missouri State University–West Plains campus. Refer to the specific degree program page for information.

## Components of a degree

### Student Responsibility

It is the student's responsibility to become familiar with and meet all requirements for a specific degree. Advisors may be consulted for recommendations, but the student must monitor his/her own progress toward a degree.

### Graduation Procedures

In order to graduate, a student must:

- At the time of registration for the semester in which s/he intends to graduate, complete an application for graduation form online in MyGrizzlyDen or in the registration and records office

- If desired, arrange for tassels, announcements, rings, etc., through the Drago College Store. The cap and gown is covered by the student service fees and can be arranged through the Drago College Store.

Before a student may graduate, an audit of the student's record will be made to verify graduation eligibility. A commencement ceremony is held each spring for students completing their degree during the prior fall semester, the current spring semester or the summer session that follows the spring semester during which an application to graduate has been submitted and approved. Students with a 2.0 GPA and needing to complete 10 or fewer credit hours in their degree program during the summer semester must appeal to walk during the spring commencement ceremony. Students who wish to participate in the ceremony must apply online through MyGrizzlyDen or in the registration and records office at the time of spring registration.

## General Degree Requirements & Procedures

1. **Catalog of Graduation:** Students shall satisfy the general education requirements in effect upon first enrollment at Missouri State University-West Plains. Other special degree requirements in effect at the time the student files a degree program shall be satisfied. If a student re-enrolls after an absence of two major semesters, excluding summer, from Missouri State University-West Plains, requirements in effect in the catalog at the time of readmission must be satisfied. Missouri State University-West Plains dual enrollment/dual credit students will follow the catalog that is in effect upon first enrollment after high school graduation. Nondegree-seeking students shall satisfy the catalog requirements of the catalog in effect when they become degree-seeking students. When students change degree programs (e.g., from the AA in General Studies to the AS in Nursing), they shall satisfy the catalog in effect when the change becomes effective.
2. **Credits and Grade Point Average:** A candidate for an associate degree is required to make at least a 2.00 grade point average on the degree requirements (excluding electives) and a 2.00 grade point average on all work attempted at Missouri State University-West Plains, as well as a 2.00 grade point average on all college work (Missouri State University-West Plains and transfer combined).
3. **Residence:** To receive an associate degree from Missouri State University-West Plains, the student must complete at least 15 credits in residence on the West Plains campus, its extended campuses or via online course offerings through Missouri State-West Plains. To receive a certificate from Missouri State University-West Plains, the student must complete a number of credit hours in residence on the West Plains campus that compose no less than 25 percent of the total credits required for the certificate or, for certificates requiring less than 24 credit hours, no fewer than six credit hours of Missouri State-West Plains courses. Appeals for exemption to this policy should be addressed to the dean of academic affairs.
4. **Time Limit:** Students must complete their academic program at Missouri State University-West Plains within six years. Any student requiring more than six years to complete the degree must adopt the guidelines of the new catalog.
5. **Advisement:** Each student is responsible for developing a program of study and for selecting courses that will meet the requirements for the student's chosen degree. First-time freshmen will be assigned an advisor as soon as they are admitted. Students should carefully review the requirements for degree completion prior to registering for each semester.
6. **Civics Exam Requirement:** Beginning with the Fall 2019, all first time students who are seeking an associate or bachelor degree are required to take the Missouri Higher

Education Civics Achievement Examination, also known as the Missouri Civics Exam. The exam is a graduation requirement for students at public colleges and universities in the state, and is a result of Missouri Senate Bill 807. The exam can be taken at any time but must be finished prior to graduation. Students must earn at least a 70% on the exam. Students may take the test as many times as you need to earn a 70%. The exam is taken in the Testing Center through Blackboard.

## Philosophy of General Education

A University exists to serve both society and the student. It must foster and enrich the culture of society, as well as provide specific skills to the student. It must maintain and strengthen our democratic society and broaden the knowledge and experience of each student while enhancing the student's ability to think critically, make value judgments, and function competently in the wider world.

A University exists for the value of all knowledge – not only to teach knowledge but also to create new knowledge. The human spirit has a thirst for knowledge. A broad spectrum of knowledge frees us and empowers us – gives us the power to act effectively and achieve our purpose.

Perhaps at no time in history has the integration of the individual student into global society been more important than today. Students need both specific skills and a broad understanding of the important economic, scientific, philosophical, historical and literary trends of the day. Only with such a broad base of knowledge will students be successful.

The purpose of a general education core of courses is to introduce students to a wide variety of knowledge, a higher concept of knowledge, and to show them how to make it their own. Missouri State University-West Plains endorses the philosophy and purpose of a general education core required for each student completing an associate degree, ensuring that they have a breadth of educational experiences which will enable them to develop communication and critical thinking skills and to acquire knowledge (civic, historical, mathematical, scientific, literary, etc.) and value perspectives. The actual number of required hours of general education courses varies depending on the type of associate degree — Associate of Arts, Associate of Science or Associate of Applied Science.

## Second Degree

Students who have met all requirements may be awarded an additional associate degree in another field of study provided the following requirements are met:

1. Must fulfill the general and specific requirements for the second degree.
2. Must complete a minimum of 15 credit hours, which are directly applicable to the second degree and in addition to those presented for the first degree. Multiple use of Courses - Courses may be counted toward meeting the requirements in more than one area of the two degrees (for example, BMS 267 may be used to meet a specific requirement for the AS Nursing degree and four hours of electives on the AA General Studies degree) unless specifically prohibited by the academic departments and so stated in the catalog.
3. Must graduate under the provisions of the Missouri State University-West Plains catalog in effect when the student files a degree program for a second degree.

## Transferability

To ensure transferability of credits, students should obtain and study catalogs from the four-year colleges or universities to which they are considering transferring, including Missouri State University-Springfield. Students should follow the degree requirements of the senior institution.

Students who have not chosen a major should concentrate on general education requirements. Students should be aware certain majors require specific general education courses. For assistance in choosing a major, students should contact their advisors.

Effective fall 1995, credit hours earned at Missouri State University-West Plains will be considered as community college hours by most four-year senior institutions. Some four-year institutions will only accept 64 credit hours as transfer hours from two-year institutions. Some will accept more than 64 credit hours as transfer hours from two-year institutions. Check with the senior institution for specific questions regarding transferability.

# Academic Policies and Procedures

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Withdrawal from University for Military

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Email as Official Form of Communication

Equal Opportunity and Affirmative Action

[Family Education Rights and Privacy Act \(FERPA\)](#)

View the entire [campus Policy Library](#)

# Degrees and Certificates Offered

Degree codes are in parenthesis. See [degree abbreviations](#) below.

## Associate Degrees and Certificates for 2021-2022

[Agriculture](#) (AAS, AS, Cert) *Options: Agricultural Business, Agriculture Education (AS), Animal Science, General Agriculture, Horticulture, Natural Resources / Wildlife Management, Plant Science / Horticulture,*

*Agriculture Certificates: Agricultural Business, Animal Science, Equine Studies, General Agriculture, Horticulture, Natural Resources / Wildlife Management, Plant Science/Horticulture*

[Business](#) (AAS, AS, Cert) *Options: Accounting, Entrepreneurship, Human Resources, Information Technology, Management, Technology Management;*

*Business Certificates: Advanced Business Studies, Agricultural Business, Basic Bookkeeping, Basic Business Studies, Basic Office Management, Foundations of Business, Human Resources, Information Technology, Technology Management*

[Child and Family Development](#) (AA, AAS, Cert)

*Child and Family Development Certificates: Advanced Child and Family Development, Child and Family Development*

[Community Behavioral Health Support](#) (AAS)

[Computer Graphics and Programming](#) (AAS)

[Computer Science](#) (AS)

[Criminology](#) (AA, Cert)

[Culinary and Hospitality Management](#) (AAS)

[Enology](#) (AAS, Cert)

[General Studies](#) (AA, Cert) *Options: Darr Honors Program Specialization, Criminology*

Transfer Major, Ozarks Studies Certificate  
Health Information Technology (AAS, Cert)

Health Information Technology Certificates: *Electronic Health Records Specialist, Medical/Clinical Assistant, Medical Coding, Medical Administrative Office Assistant*

Health Professions (AA)

Human Services (AA)

Law Enforcement (AAS)

Nursing (AS, Cert)

Nursing Certificate: *Pre-Nursing*

Pre-Engineering (AS)

Teaching (AA)

Technology (AAS, AS, Cert) *Options: Advanced Industrial Maintenance, Advanced Manufacturing Technology, Alternative Energy, General Technology, Information Technology, Technology Management;*

Technology Certificates: *Advanced Fabrication Technology, Advanced Industrial Maintenance, Advanced Manufacturing Technology, Alternative Energy, Information Technology, Technology Management*

Viticulture (AAS, Cert)

Wine Business & Entrepreneurship (AAS, Cert)

Workplace Essential Skills (Cert)

## Program Career and Salary Information

Pursuant to Missouri HB 1606 (2018), information regarding program lengths, costs, and students' median time-to-degree, as well as employment and wage outcomes, can be found at <https://jobs.mo.gov/jobseeker/training-and-education>. Employment and wage outcomes are limited to completers found employed in Missouri. Students not found as employed may also be working out-of-state, self-employed, or enrolled in continuing education. Additional information on programs and program outcomes may be found by searching at <https://scorecard.mo.gov/Search>. Search using School / Program "Missouri State-West Plains" and choose the degree or credential type of interest.

The following limitations to the data apply - Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

## Earn a Bachelor's and/or Master's Degree in West Plains

Earn an associate of arts or associate of science degree from Missouri State-West Plains, transfer those credit hours to Missouri State-Springfield and complete a bachelor's degree, all while living in West Plains!

Missouri State Outreach, housed in Gohn Hall on the West Plains campus, represents Missouri State-Springfield and can provide assistance with your transfer.

## Bachelor's Degrees Available

(BS=Bachelor of Science; BAS=Bachelor of Applied Science)

- Child and Family Development (BS)
- Communication Studies (BS, online)
- Criminology (BS, online)
- Elementary Education (BS)
- Finance-Finance Option (BS, online)
- General Agriculture (BAS)
- General Business (BS, online)
- General Studies (BS)
- Health Services-Clinical Services Option (BS, online)
- Hospitality Leadership (BS, online)
- Information Technology-Infrastructure Track (BS, online)
- Nursing (RN to BSN) (BS, online)
- Professional Writing (BS, online)
- Psychology (BS, online)

**Note:** Some Missouri State Online degree completion programs may have prerequisite courses (particularly in the sciences) not available online through Missouri State-Springfield. Schedule your advising appointment with Adult Student Services to review program requirements.

## Post-Graduate Degrees Available

- Doctorate in Educational Leadership with the University of Missouri Columbia
- Doctor of Nurse Anesthesia Practice (online)
- Doctor of Nursing Practice (online)
- Master and Specialist in Educational Administration
- Master of Arts in Communication (online)
- Master of Arts in History (online)
- Master of Arts in Teaching (MAT)
- Master of Business Administration (online)
- Master of Professional Studies (online)
- Master of Science in Counseling in Elementary & Secondary Education
- Master of Science in Criminology and Criminal Justice (online)
- Master of Science in Early Childhood and Family Development (online)
- Master of Science in Education, Educational Technology
- Master of Science in Education, Elementary Education (online)
- Master of Science in Education, Literacy (online)
- Master of Science in Education, Special Education/Blindness & Low Vision Emphasis (online)
- Master of Science in Nursing, Nurse Educator (online)
- Master of Science in Project Management (online)
- Master of Social Work

**Find out more about Missouri State Online.**

## Contact Us

Missouri State Outreach - West Plains Region  
Gohn Hall, 603 W. Main

Phone: [417-255-7777](tel:417-255-7777)

|                                      |   |
|--------------------------------------|---|
| West Plains, MO 65775                |   |
| Deanna Smith<br>Outreach Coordinator | Phone: <a href="tel:417-255-7777">417-255-7777</a><br>Email: <a href="mailto:DeannaSmith@MissouriState.edu">DeannaSmith@MissouriState.edu</a>     |
| Amber Johnston<br>Outreach Assistant | Phone: <a href="tel:417-255-7934">417-255-7934</a><br>Email: <a href="mailto:AmberJohnston@MissouriState.edu">AmberJohnston@MissouriState.edu</a> |

## Degree abbreviations

- AA – Associate of Arts
- AAS – Associate of Applied Science
- AS – Associate of Science
- BAS – Bachelor of Applied Science
- BS – Bachelor of Science
- BSEd – Bachelor of Science in Education
- BSN – Bachelor of Science in Nursing
- Cert – Certificate
- MAT – Master of Arts in Teaching
- MBA – Master of Business Administration
- MS – Master of Science, Counseling
- MEd – Master of Science in Education
- EdS – Specialist in Education, Educational Administration

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# Course Offerings

## Course codes and disciplines

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- [ACC](#) – Accounting
- [AGR](#) – Agriculture
- [ALH](#) – Allied Health
- [ANT](#) – Anthropology
- [ART](#) – Art
- [AST](#) – Astronomy

### B

- [BHS](#) – Behavioral Health Support
- [BIO](#) – Biology
- [BMS](#) – Biomedical Science
- [BUS](#) – Business

### C

- [CFD](#) – Child & Family Development
- [CFS](#) – Consumer & Family Studies
- [CGP](#) – Computer Graphics & Programming
- [CHI](#) – Chinese
- [CHM](#) – Chemistry
- [CIS](#) – Computer Information Systems
- [COM](#) – Communications
- [CRM](#) – Criminal Justice



- [CSC](#) – Computer Science

## D

- [DES](#) – Design

## E

- [ECO](#) – Economics
- [EDU](#) – Education
- [EGR](#) – Engineering
- [ENG](#) – English
- [ENV](#) – Environmental Science
- [EPR](#) – Entrepreneurship

## F

- [FCA](#) – Food and Culinary Arts
- [FIN](#) – Finance
- [FRN](#) – French
- [FST](#) – Fire Science

## G

- [GLG](#) – Geology
- [GRM](#) – German
- [GRY](#) – Geography

## H

- [HIT](#) – Health Information Technology
- [HLH](#) – Health, Arts & Science
- [HNR](#) – Honors Program
- [HSP](#) – Hospitality Leadership
- [HST](#) – History

## I

- [IDS](#) – Interdisciplinary Studies
- [INS](#) – Insurance

## J

- [JRN](#) – Journalism

## K

- [KIN](#) – Kinesiology

## L

- [LAW](#) – Law
- [LIS](#) – Library Science
- [LLT](#) – Language & Literature
- [LWE](#) – Law Enforcement

## M

- [MED](#) – Media
- [MGT](#) – Management
- [MKT](#) – Marketing
- [MTH](#) – Mathematics
- [MUS](#) – Music

## N

- [NUR](#) – Nursing

## P

- [PHI](#) – Philosophy
- [PHY](#) – Physics
- [PLS](#) – Political Science
- [PSY](#) – Psychology

## Q

- [QBA](#) – Quantitative Business Analysis

## R

- [RDG](#) – Reading
- [REL](#) – Religious Studies

## S

- [SOC](#) – Sociology
- [SPE](#) – Special Education
- [SPN](#) – Spanish
- [SWK](#) – Social Work

## T

- [TEC](#) – Technology
- [THE](#) – Theatre

## V

- – Viticulture & Enology

[VIN](#)

## W

- [WLD](#) – Welding
- [WES](#) – Workforce Employability Skills

# Faculty and Administrative Staff

**ACKERSON, AMY A** – *Asst Prof of Nur/Dir & Assoc Dean for Nur & Allied Health*  
Master of Science in Nursing - Missouri State University (2012)  
Bachelor of Science in Nursing - South Dakota State University (1998)  
[AmyAckerson@MissouriState.edu](mailto:AmyAckerson@MissouriState.edu)

**ADAMS, LEIGH A** – *Assistant Professor of English*  
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Bachelor of Arts - Univ Of Missouri-Columbia (1985)  
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**AGUERO, VALDA M** – *Per Course Faculty*  
Master of Fine Arts - San Francisco Art Institute (1987)  
Bachelor of Fine Arts - San Francisco Art Institute (1984)  
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**ALBIN, CRAIG D \* (1996)** – *Professor of English*  
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Master of Arts - Missouri State University (1984)  
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Master of Science - Missouri State University (1999)  
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**BISHOP, BEVERLY A** – *Per Course Faculty*  
Master of Education - Missouri State University (1996)  
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**BLACKBURN, PAULA M** – *Per Course Faculty*  
Master of Arts - Wichita State University (1995)  
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**BOYS, CATHY PROFFITT \*** (2008) – *Associate Professor of Computers and Engineering*  
Master of Science - Missouri State University (2001)  
Master of Business Admin. - Missouri State University (2000)  
Bachelor of Science - Missouri Univ Science & Tech (1987)  
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Bach of Science in Education - Missouri State University (2015)  
Master of Arts in Education - Missouri State University (2015)  
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- David White
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# MSU-WP CORE 42 MOTR Courses

## Courses by subject area

Complete at least 42 credit hours, distributed among the Knowledge Areas listed below in accordance with your degree plan.

### Social & Behavioral Sciences

9 credits minimum from at least 2 disciplines, including at least one Civics course.

| Course Number | Course Name                                   |
|---------------|---|
| CFD 155       | Principles of Human Development               |
| ECO 155       | Principles of Macroeconomics                  |
| ECO 165       | Principles of Microeconomics                  |
| GRY 100       | World Regional Geography                      |
| HST 103       | World History to 1600 C.E.                    |
| HST 104       | World History Since 1600 C.E.                 |
| PLS 205       | Countries and Culture: Comparative Government |
| PLS 232       | International Relations                       |

|                       |                                    |
|-----------------------|------------------------------------|
| PSY 121               | Introductory Psychology            |
| SOC 150               | Principles of Sociology            |
| <b>Civics Courses</b> |                                    |
| HST 121               | Survey of US History to 1877       |
| HST 122               | US History Since 1877              |
| PLS 101               | American Democracy and Citizenship |

## Written Communications

6 credit hours minimum

| Course Number | Course Name                             |
|---------------|---|
| ENG 110       | Writing I                               |
| ENG 210       | Writing II: Academic Writing            |
| ENG 221       | Writing II: Writing for the Professions |

## Oral Communications

3 credit hours minimum

| Course Number | Course Name                     |
|---------------|---------------------------------|
| COM 115       | Fundamentals of Public Speaking |

## Natural Sciences

7 credit hours minimum from at least 2 disciplines, including one course with a lab component

| Course Number | Course Name  |
|---------------|--|
| BIO 100       | Biological Science for Educators                                       |
| BIO 101       | Biological Concepts  |
| BIO 101 / 111 | Biological Concepts & Understanding Biological Systems Through Inquiry |

|               |  |
|---------------|--|
| BIO 121       | General Biology I                          |
| BMS 110       | Introduction to the Biomedical Sciences    |
| CHM 116       | Fundamentals of Chemistry                  |
| CHM 116 / 117 | Fundamentals of Chemistry Lecture with Lab |
| CHM 160       | General Chemistry I                        |
| CHM 160 / 161 | General Chemistry I with Lab               |
| ENV 105       | Environmental Science                      |
| GLG 110       | Principles of Geology                      |
| GRY 142       | Introductory Physical Geography            |
| PHY 100       | Survey of Physics with Laboratory          |
| PHY 101       | Physics by Inquiry for Educators           |
| PHY 102       | Survey of Physics                          |
| PHY 123       | Introduction to Physics I                  |
| PHY 203       | Foundations of Physics I                   |

## Mathematical Sciences

3 credit hours minimum

| Course Number | Course Name              |
|---------------|--------------------------|
| MTH 130       | Contemporary Mathematics |
| MTH 136       | Pre-Calculus I: Algebra  |

\*Mathematical Sciences courses that use one of the pathway courses as a prerequisite will meet the general education credit for math. For example, Calculus meets the General Education math requirement since Pre-Calculus Algebra is a prerequisite.

## Humanities and Fine Arts

9 credit hours minimum, from at least 2 disciplines

| Course Number | Course Name |
|---------------|-------------|
|               |             |

|         |  |
|---------|--|
| ART 115 | Drawing I                              |
| ART 200 | Art in Context                         |
| ENG 236 | Minorities in Literature               |
| MUS 239 | Introduction to World Music            |
| MUS 241 | The Language of Music                  |
| PHI 110 | Introduction to Philosophy             |
| PHI 115 | Introduction to Ethics                 |
| REL 100 | Religion and Human Culture             |
| SPN 101 | Elementary Spanish I                   |
| SPN 102 | Elementary Spanish II                  |
| THE 101 | Introduction to Theatre and Drama Arts |

# Catalog Archive

## PDF of Current Catalog

- 2021-2022 PDF Catalog

## Prior PDF Catalogs

<https://wp.missouristate.edu/catalog/catalog-archive.htm>

- 2020-2021 Catalog (PDF 2.5MB)
- 2019-2020 Catalog (PDF 2.47 MB)
- 2018-2019 Catalog (PDF 1.35 MB)
- 2017-2018 Catalog (PDF 2.38 MB)
- 2016-2017 Catalog (PDF 2.41 MB)
- 2015-2016 Catalog (PDF 885 KB)

You need a PDF viewer similar to *Adobe® Reader®* to view and print documents on this page.

# Description of Course Listings

Courses offered by Missouri State University-West Plains are identified according to the following example

| Course Prefix | Course Number | Course Title | Credit Hours | Lecture Hours | Lab Hours | Course Sequence |
|---------------|---------------|--------------|--------------|---------------|-----------|-----------------|
| ACC           | 201           | Accounting   | 3            | (3-           | 0)        | F, S            |

"Lecture hours" represents the number of hours per week the course will meet in a lecture environment. For courses that are lecture only, the lecture hours will equal credit hours.

"Lab hours" represents the number of hours per week the course will meet in a laboratory environment. At least two laboratory hours are required for one credit hour. For example, a four-credit hour course with three hours of lecture will have two hours or more of laboratory.

"Course sequence" indicates the schedule on which the course will be offered: F=Fall; S=Spring; Su=Summer. (Many courses with an "F, S" designation also are offered during the summer.) A "D" indicates the course will be offered on demand.

Following each course listing is a course description. The first item included in the course description is the prerequisite indicator for those courses that have prerequisites.

Prerequisites are listed to inform the students what they must have in advance to ensure success in the course. Prerequisites are checked. Students must have earned a grade of D or better in a prerequisite course unless otherwise specified in the course description in order to enroll in a course for which it serves as a prerequisite. Students may be dropped from those classes for which they do not meet the prerequisites; therefore, students should register in only those courses for which they meet prerequisites.

Some courses are listed with the prerequisite of "permission" or "and permission". Courses having the designation "CBE" are available for credit by examination.



Course descriptions also may contain specific instructions or limitations. Students should review those carefully.

Offering of courses is subject to sufficient enrollment.

# Agriculture

## Degrees

[Agriculture \(AAS\)](#)

[Agriculture \(AS\)](#)

## Certificates

[Agricultural Business \(Cert\)](#)

[Animal Science \(Cert\)](#)

Equine Studies (Cert)

General Agriculture (Cert)

Horticulture (Cert)

Natural Resources/Wildlife Management (Cert)

Plant Science/Horticulture (Cert)

# Business

## Degrees

[Business \(AAS\)](#)

[Business \(AS\)](#)

## Certificates

[Advanced Business Studies \(Cert\)](#)

[Agricultural Business \(Cert\)](#)

Basic Bookkeeping (Cert)

Basic Business Studies (Cert)

Basic Office Management (Cert)

Foundations of Business (Cert)

Human Resources (Cert)

Information Technology (Cert)

Technology Management (Cert)

# Child and Family Development

## Degrees

[Child and Family Development \(AA\)](#)

[Child and Family Development \(AAS\)](#)

## Certificates

[Child and Family Development \(Cert\)](#)

Advanced Child and Family Development (Cert)

# Community Behavioral Health Support

## Degrees

[Community Behavioral Health Support \(AAS\)](#)



# Associate of Applied Science in Computer Graphics and Programming

## Computer Graphics and Programming (AAS)

### Associate of Applied Science

The Associate of Applied Science in Computer Graphics and Programming is designed to prepare students for a career in game design and programming. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

|   |   |  |
|---|---|--|
| <b>General Education Requirements</b>           |   |  |
| CIS 101 Computers for Learning                  | 3 |  |
| COM 115 Fundamentals of Public Speaking         | 3 |  |
| ENG 110 Writing I                               | 3 |  |
| ENG 221 Writing II: Writing for the Professions | 3 |  |
| IDS 110 Student Success                         | 2 |  |

|   |   |  |
|---|---|--|
| MTH 100 Intermediate Applied Mathematics or higher<br>(except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization)   | 3 |  |
| <b>Civics:</b> Select three (3) credit hours  |   |  |
| <ul style="list-style-type: none"> <li>HST 121 Survey of US History to 1877 <b>OR</b></li> <li>HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>PLS 101 American Democracy and Citizenship</li> </ul> | 3 |  |
| <b>General Education Total</b>  |   |  |

| <b>Computer Graphics and Programming Requirements</b> | <b>Credit Hours</b> |
|---|---------------------|
| CGP 110 Game Development I                            | 3                   |
| CGP 115 Game Art Drawing I                            | 3                   |
| CGP 145 Introduction to Computer Programming          | 3                   |
| CGP 150 Introduction To Digital Graphics              | 3                   |
| CGP 160 Introduction to 3D Modeling and Animation     | 3                   |
| CGP 200 Mobile Game Development                       | 3                   |
| CGP 220 Game Development II                           | 3                   |
| CGP 250 3D Character Modeling and Animation           | 3                   |
| CGP 255 Graphics Programming I                        | 3                   |
| CGP 260 Advanced 3D Modeling and Animation            | 3                   |
| CGP 265 Graphics Programming II                       | 3                   |
| CGP 297 Computer Graphics and Programming (Capstone)  | 3                   |
| CIS 205 Website Design & Development                  | 3                   |
| CIS 260 Introduction to Java Programming              | 3                   |
| <b>Computer Graphics and Programming Total</b>        | <b>42</b>           |

| <b>Elective (pick one)</b>  | <b>Credit Hours</b> |
|---|---------------------|
| <b>Civics:</b> Select three (3) credit hours  |                     |
| <ul style="list-style-type: none"> <li>CGP 118 Mythology and Folklore in Media</li> <li>CGP 125 Digital &amp; Physical Sculpting</li> <li>CGP 155 Web Game Development</li> </ul> | 3                   |

- CGP 170 Game Environments
- CGP 175 Game Design
- CGP 180 Introduction to Multimedia Audio
- CGP 210 SQL Database Management
- CGP 270 Virtual Media Entrepreneurship
- CSC 125 Introduction to C++ (4)
- Approved Elective (CGP, CIS, CSC, EPR, MTH, TEC)

**Elective Total**

**3**

**Computer Graphics and Programming (AAS) Degree**

**Credit Hours**

**Total Hours Required**

**65**

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Associate of Science in Computer Science

## Computer Science (AS)

### Associate of Science

The Associate of Science in Computer Science is a transfer degree and contains the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and computer science courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

## Degree Requirements

| Written Communications   | Credit Hours |
|--|--------------|
| ENG 110 Writing I  | 3            |
| <b>Writing II:</b> Select three (3) credit hours   |              |
| <ul style="list-style-type: none"><li>ENG 210 Writing II: Academic Writing <b>OR</b></li><li>ENG 221 Writing II: Writing for the Professions</li></ul> | 3            |
| Oral Communications  | Credit Hours |
| COM 115 Fundamentals of Public Speaking  | 3            |

| <b>Mathematical Sciences</b>            | <b>Credit Hours</b> |
|---|---------------------|
| MTH 261 Analytic Geometry & Calculus I  | 5                   |
| MTH 280 Analytic Geometry & Calculus II | 5                   |

| <b>Natural Sciences</b>  | <b>Credit Hours</b> |
|--|---------------------|
| <p><b>Physics:</b> Select four (4) or five (5) credit hours</p> <ul style="list-style-type: none"> <li>• PHY 123 Introduction to Physics I (lab) (4)</li> <li>• PHY 203 Foundations of Physics I (lab) (5)</li> </ul> <p><b>Biology/Biomedical Sciences:</b> Select four (4) credit hours</p> <ul style="list-style-type: none"> <li>• BIO 121 General Biology I (4)</li> <li>• BMS 110 Introduction to Biomedical Sciences (4)</li> </ul> | 8                   |

| <b>Social and Behavioral Science</b>  | <b>Credit Hours</b> |
|---|---------------------|
| PSY 121 Introductory Psychology   | 3                   |
| ECO 165 Principles of Microeconomics  | 3                   |
| <p><b>Civics:</b> Select three (3) credit hours</p> <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3                   |

| <b>Humanities and Fine Art</b>  | <b>Credit Hours</b> |
|---|---------------------|
| Select eight (8) credit hours in at least two (2) disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> . | 8                   |

| <b>Institutional Requirements</b> | <b>Credit Hours</b> |
|-----------------------------------|---------------------|
| CIS 101 Computers for Learning    | 3                   |
| IDS 110 Student Success           | 2                   |

| <b>Computer Science Requirements</b>  | <b>Credit Hours</b> |
|---------------------------------------|---------------------|
| CSC 130 The World of Computer Science | 3                   |
| CSC 131 Computational Thinking        | 4                   |

| Computer Science (AS) Degree | Credit Hours |
|------------------------------|--------------|
| <b>Total Hours Required</b>  | <b>60</b>    |

**Degree Notes:**

1. Math requirements exclude MTH 197 or MTH 297.
2. Students are required to complete a minimum of three (3) credit hours of math, regardless of placement.
3. Electives must be approved by the department.
4. Students should confirm the transferability of courses with their transfer university before completing courses at MSU-WP.
5. This degree is a transfer degree and contains the Missouri Higher Education [Core Transfer Curriculum \(Core 42\)](#).

# Criminology

## Degree

[Criminology \(AA\)](#)

## Certificate

[Criminology \(Cert\)](#)

# Associate of Applied Science in Culinary and Hospitality Management

## Culinary and Hospitality Management (AAS)

### Associate of Applied Science

The Associate of Applied Science in Culinary and Hospitality Management is designed to prepare students for a career in culinary and hospitality management. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| General Education Requirements                              | Credit Hours |
|---|--------------|
| CIS 101 Computers for Learning                              | 3            |
| COM 115 Fundamentals of Public Speaking                     | 3            |
| ENG 110 Writing I   | 3            |
| GRY 100 World Regional Geography                            | 3            |
| IDS 110 Student Success                                     | 2            |
| <b>Mathematical Sciences:</b> Select three (3) credit hours |              |



|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• MGT 130 Business Mathematics <b>OR</b></li> <li>• MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 and MTH 297)</li> </ul>                                 | 3         |
| <b>Civics:</b> Select three (3) credit hours  |           |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3         |
| <b>General Education Total</b>  | <b>20</b> |

| <b>Culinary Arts Requirements</b>                      | <b>Credit Hours</b> |
|--|---------------------|
| ACC 201 Introduction to Financial Accounting           | 3                   |
| FCA 150 Culinary Arts I                                | 12                  |
| FCA 155 Culinary Arts II                               | 12                  |
| FCA 297 Culinary and Hospitality Management Capstone   | 1                   |
| FCA 299 Culinary and Hospitality Management Internship | 3                   |
| MKT 150 Introduction to Marketing                      | 3                   |
| Elective (HSP or other approved by the department)     | 6                   |
| <b>Culinary Arts Total</b>                             | <b>40</b>           |

| <b>Culinary and Hospitality Management (AAS) Degree</b> | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required</b>                             | <b>60</b>           |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Enology, Viticulture and Wine Business and Entrepreneurship

## Degrees

[Enology \(AAS\)](#)

[Viticulture \(AAS\)](#)

[Wine Business and Entrepreneurship \(AAS\)](#)

# Certificates

Enology (Cert)

Viticulture (Cert)

Wine Business and Entrepreneurship (Cert)

# General Studies

## Degrees

[General Studies \(AA\)](#)

[Honors Program](#)

## Certificates

[Ozarks Studies \(Cert\)](#)

# Health Information Technology

## Degrees

[Health Information Technology \(AAS\)](#)

## Certificates

[Electronic Health Records Specialist \(Cert\)](#)

[Medical Coding \(Cert\)](#)

Medical/Clinical Assistant (Cert)

Medical Administrative Office Assistant (Cert)

# Associate of Arts in Health Professions

## Health Professions (AA)

### Associate of Arts

| Foundations Requirements   | Credit Hours |
|--|--------------|
| COM 115 Fundamentals Public Speaking   | 3            |
| ENG 110 Writing I  | 3            |
| ENG 221 Writing II: Writing for the Professions  | 3            |
| IDS 110 Student Success  | 2            |
| MTH 136 Pre-Calculus I: Algebra or higher<br>(except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization) | 3            |
| <b>Total Hours:</b>  | <b>14</b>    |

| Natural World Requirements   | Credit Hours |
|--|--------------|
| <i>Life Sciences (choose one)</i> <ul style="list-style-type: none"> <li>• BIO 121 General Biology I <b>OR</b></li> <li>• BMS 110 Introduction to the Biomedical Sciences</li> </ul> | 4            |

|   |          |
|---|----------|
| <i>Physical Sciences</i><br>CHM 160 General Chemistry I | 4        |
| <b>Total Hours:</b>                                     | <b>8</b> |

| <b>Human Culture Requirements</b>   | <b>Credit Hours</b> |
|---|---------------------|
| <b>Social and Behavioral Science</b>  |                     |
| PSY 121 Introductory Psychology   | 3                   |
| <ul style="list-style-type: none"> <li>• CFD 155 Principles of Human Development (Occupational Therapist Option) <b>OR</b></li> <li>• ECO 155 Principles of Macroeconomics (Physical Therapist or Radiographer Option) <b>OR</b></li> <li>• SOC 150 Introduction to Sociology (Physician's Assistant Option)</li> </ul> | 3                   |
| <b>Humanities</b>   |                     |
| SPN 101 Introduction to Spanish   | 3                   |
| <b>The Arts</b>   |                     |
| General Education Arts elective   | 3                   |
| <b>Total Hours:</b>   | <b>12</b>           |

| <b>Public Affairs Requirements</b>   | <b>Credit Hours</b> |
|--|---------------------|
| <i>Cultural Competence (choose one)</i> <ul style="list-style-type: none"> <li>• GRY 100 World Regional Geography <b>OR</b></li> <li>• REL 100 Religion and Human Culture</li> </ul> | 3                   |
| <i>US History (choose one)</i> <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877</li> </ul> | 3                   |
| PLS 101 Political Science  | 3                   |
| General Education Public Issues elective   | 3                   |
| <b>Total Hours:</b>  | <b>12</b>           |

| <b>Institutional Requirements</b>                 | <b>Credit Hours</b> |
|---|---------------------|
| CIS 101 Computers for Learning                    | 3                   |
| IDS 297 Topics in Globalization (Capstone course) | 2                   |
| <b>Total Hours:</b>                               | <b>5</b>            |



|                                |                     |
|--------------------------------|---------------------|
| <b>Core Requirements</b>       | <b>Credit Hours</b> |
| <b>Total Hour Requirements</b> | <b>51</b>           |

## Health Professions Related Courses Emphasis Options Credit Hours 15-19

| <b>Occupational Therapist</b>   | <b>Credit Hours</b> |
|---|---------------------|
| ALH 116 Medical Terminology   | 3                   |
| BMS 267 Human Anatomy   | 4                   |
| BMS 268 Human Physiology  | 4                   |
| CHM 161 General Chemistry I Laboratory  | 1                   |
| <ul style="list-style-type: none"> <li>• PHY 123 Introduction to Physics I</li> <li>• PSY 200 Psychological Statistical Methods</li> <li>• QBA 237 Basic Business Statistics</li> </ul> | 3-4                 |
| <b>Health Professions (AA) Degree - Occupational Therapist Option Total:</b>  | <b>66-67</b>        |

| <b>Physical Therapist</b>   | <b>Credit Hours</b> |
|---|---------------------|
| <ul style="list-style-type: none"> <li>• BIO 122 General Biology II</li> <li>• BMS 231 Human Genetics with Laboratory</li> <li>• PHY 123 Introduction to Physics I</li> </ul> | 3-4                 |
| BMS 267 Human Anatomy   | 4                   |
| BMS 268 Human Physiology  | 4                   |
| CHM 161 General Chemistry I Laboratory  | 1                   |
| CHM 170 General Chemistry II  | 3                   |
| CHM 171 General Chemistry II Laboratory   | 1                   |
| <b>Health Professions (AA) Degree - Physical Therapist Option Total:</b>  | <b>67-68</b>        |

| <b>Physician's Assistant</b> | <b>Credit Hours</b> |
|------------------------------|---------------------|
| ALH 116 Medical Terminology  | 3                   |

|   |           |
|---|-----------|
| BMS 231 Human Genetics with Laboratory  | 4         |
| BMS 267 Human Anatomy   | 4         |
| BMS 268 Human Physiology  | 4         |
| CHM 161 General Chemistry I Laboratory  | 1         |
| CHM 170 General Chemistry II  | 3         |
| CHM 171 General Chemistry II Laboratory   | 1         |
| <b>Health Professions (AA) Degree - Physician's Assistant Option<br/>Total:</b> | <b>71</b> |

| <b>Radiographer</b>  | <b>Credit Hours</b> |
|--|---------------------|
| BMS 231 Human Genetics with Laboratory   | 4                   |
| BMS 267 Human Anatomy  | 4                   |
| BMS 268 Human Physiology   | 4                   |
| CHM 161 General Chemistry I Laboratory   | 1                   |
| <ul style="list-style-type: none"> <li>• PHY 100 Survey of Physics with Laboratory</li> <li>• PHY 102 Survey of Physics</li> </ul> | 3-4                 |
| <b>Health Professions (AA) Degree - Radiographer Option Total:</b>   | <b>67-68</b>        |

Courses are selected to complete the first two years of the Bachelor of Science in Cell and Molecular Biology degree offered by Missouri State University in Springfield which can be used for possible entry into the master's level health professional programs. Students planning on transferring to other institutions should seek the receiving institution's specific requirements. This degree cannot be used to enter the Associate of Science in Nursing program. Health related courses selected are dependent on which occupation the student is pursuing after the bachelor's level.

## Sample Schedule

(Physician's Assistant Option example)

### First Year

| <b>Fall Semester</b> | <b>Credit Hours</b> |
|----------------------|---------------------|
|                      |                     |

|   |           |
|---|-----------|
| IDS 110 Student Success   | 2         |
| ENG 110 Writing I   | 3         |
| CIS 101 Computers for Learning  | 3         |
| CHM 160 General Chemistry and CHM 161 General Chemistry I Laboratory  | 4         |
| <ul style="list-style-type: none"> <li>• BMS 110 Introduction to Biomedical Science</li> <li>• BIO 121 General Biology</li> </ul> | 4         |
| <b>Total</b>  | <b>17</b> |

| <b>Spring Semester</b>   | <b>Credit Hours</b> |
|--|---------------------|
| COM 115 Fundamentals of Public Speaking  | 3                   |
| CHM 170 General Chemistry II   | 3                   |
| CHM 171 General Chemistry II (Lab)   | 1                   |
| BMS 231 Human Genetics with Laboratory   | 3                   |
| Public Issues, General Education Choice  | 3                   |
| <ul style="list-style-type: none"> <li>• GRY 100 World Regional Geography</li> <li>• REL 100 Religion and Human Culture</li> </ul> | 3                   |
| <b>Total</b>   | <b>16</b>           |

| <b>Summer Session</b>           | <b>Credit Hours</b> |
|---------------------------------|---------------------|
| MTH 136 Pre-Calculus I: Algebra | 3                   |
| PSY 121 Introductory Psychology | 3                   |
| <b>Total</b>                    | <b>6</b>            |
| <b>Total Year One</b>           | <b>39</b>           |

## Second Year

| <b>Fall Semester</b>                       | <b>Credit Hours</b> |
|--|---------------------|
| PLS 101 American Democracy and Citizenship | 3                   |
| SPN 101 Elementary Spanish I               | 3                   |
| BMS 267 Human Anatomy                      | 4                   |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877</li> <li>• HST 122 Survey of US History Since 1877</li> </ul> | 3         |
| ENG 221 Writing II: Writing for the Professions   | 3         |
| <b>Total</b>  | <b>16</b> |

| <b>Spring Semester</b>                            | <b>Credit Hours</b> |
|---|---------------------|
| BMS 268 Human Physiology                          | 4                   |
| IDS 297 Topics in Globalization (Capstone Course) | 2                   |
| Arts, General Education Choice                    | 3                   |
| ALH 116 Medical Terminology                       | 3                   |
| SOC 150 Principles of Sociology                   | 3                   |
| <b>Total</b>                                      | <b>15</b>           |
| <b>Total Year Two</b>                             | <b>31</b>           |

|                     |           |
|---------------------|-----------|
| <b>Degree Total</b> | <b>70</b> |
|---------------------|-----------|

# Human Services

[Human Services \(AA\)](#)

# Law Enforcement

## Degree

[Law Enforcement \(AAS\)](#)

# Catalog

Missouri State-West Plains / Catalog / Degrees and Certificates Offered / **Nursing**

# Nursing

## Degrees

[Nursing \(AS\)](#)

## Certificates

[Pre-Nursing \(Cert\)](#)

# Associate of Science in Pre-Engineering

## Pre-Engineering (AS)

### Associate of Science

The Associate of Science in Pre-Engineering is a transfer degree and specific mathematics, science, computer science and engineering courses, as well as some general education courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

## Degree Requirements

| Written Communications  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| <b>Writing II:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| Oral Communications   | Credit Hours |
| COM 115 Fundamentals of Public Speaking   | 3            |



| <b>Mathematical Sciences</b>            | <b>Credit Hours</b> |
|---|---------------------|
| MTH 261 Analytic Geometry & Calculus I  | 5                   |
| MTH 280 Analytic Geometry & Calculus II | 5                   |
| MTH 292 Multivariate Calculus           | 3                   |

| <b>Natural Sciences</b>                | <b>Credit Hours</b> |
|--|---------------------|
| CHM 160 General Chemistry I            | 4                   |
| CHM 161 General Chemistry I Laboratory | 1                   |
| PHY 203 Foundations of Physics I       | 5                   |
| PHY 204 Foundations of Physics II      | 5                   |

| <b>Social and Behavioral Science</b>  | <b>Credit Hours</b> |
|---|---------------------|
| <b>Economics:</b> Select three (3) credit hours   |                     |
| <ul style="list-style-type: none"> <li>• ECO 155 Principles of Macroeconomics <b>OR</b></li> <li>• ECO 165 Principles of Microeconomics</li> </ul>  | 3                   |
| <b>Civics:</b> Select three (3) credit hours  |                     |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3                   |

| <b>Additional General Education</b>   | <b>Credit Hours</b> |
|---|---------------------|
| Select three (3) additional credit hours from the <a href="#">Social and Behavioral Science or Humanities and Fine Arts lists of approved Core 42 courses</a> . | 3                   |

| <b>Institutional Requirements</b> | <b>Credit Hours</b> |
|-----------------------------------|---------------------|
| IDS 110 Student Success           | 2                   |

| <b>Engineering Requirements</b>         | <b>Credit Hours</b> |
|---|---------------------|
| CSC 125 Introduction to C++ Programming | 4                   |
| EGR 100 Careers in Engineering          | 1                   |

|  |   |
|--|---|
| EGR 110 Introduction to Engineering Design   | 3 |
| EGR 297 Engineering Capstone   | 1 |
| Technical Elective: Select from any technical course ( <a href="#">CIS</a> , <a href="#">CGP</a> , CSC, <a href="#">EGR</a> , <a href="#">TEC</a> ) as approved by the Engineering Program Coordinator | 3 |

| Pre-Engineering (AS) Degree  | Credit Hours |
|------------------------------|--------------|
| <b>Total Hours Required:</b> | <b>60</b>    |

### **Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Certificate in Pre-Nursing

## Pre-Nursing (Cert)

### Certificate

This certificate of achievement is designed for the student interested in applying to the Associate of Science in Nursing degree program. This certificate can be obtained prior to application to the nursing program or as a pathway for a student whose application was not previously accepted. While completion of the certificate does not guarantee acceptance into the nursing program, all coursework will apply to the degree. Students wishing to apply to the nursing program upon completion of the certificate must meet with a nursing department advisor to assure all application criteria to the nursing program have been met. This includes passing all nursing degree specific courses (signified by an asterisk\*) with at least a 'C' grade or better. The courses required for the certificate are as follows:

## Certificate in Pre-Nursing Curriculum

| Fall  | Credit Hours |
|---|--------------|
| Active CNA License <b>OR</b> <ul style="list-style-type: none"> <li>• ALH 100 Certified Nurse Assistant <b>And</b></li> <li>• ALH 105 Certified Nurse Assistant Clinical</li> </ul> | <br>3<br>3   |
| BMS 110* Introduction to the Biomedical Sciences  | 4            |
| ENG 110* Writing I  | 3            |
| MTH 103 Intermediate Algebra<br>(or MTH 136 Pre-Calculus I: Algebra eligibility determined by placement test)   | 3            |

|                    |           |
|--------------------|-----------|
| <b>Fall Total:</b> | <b>17</b> |
|--------------------|-----------|

| <b>Spring</b>                    | <b>Credit Hours</b> |
|----------------------------------|---------------------|
| ALH 116 Medical Terminology      | 3                   |
| BMS 267* Human Anatomy           | 4                   |
| BMS 268* Human Physiology        | 4                   |
| PSY 121* Introductory Psychology | 3                   |
| <b>Spring Total:</b>             | <b>14</b>           |

| <b>Pre-Nursing (Cert)</b>   | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required: (Depending on Mathematics placement)</b> | <b>28-31</b>        |

\* Indicates nursing degree specific courses

# Associate of Arts in Teaching

## Teaching (AA)

### Associate of Arts

The required general education courses for the Associate of Arts in General Studies are listed as follows:

| Foundations Requirements   | Credit Hours |
|--|--------------|
| <i>Oral Communications</i><br>COM 115 Fundamentals of Public Speaking  | 3            |
| <i>Written Communications and Information Literacy</i><br>ENG 110 Writing I  | 3            |
| <i>Written Communications and Integrative and Applied Learning (choose one)</i> <ul style="list-style-type: none"> <li>• ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>• ENG 221 Writing II: Writing for the Professions</li> </ul> <b>Recommended course</b> <ul style="list-style-type: none"> <li>• <i>ENG 210 is the recommended course</i></li> </ul> | 3            |
| <i>First-Year Seminar</i><br>IDS 110 Student Success   | 2            |
| <i>Quantitative Literacy (choose one)</i> <ul style="list-style-type: none"> <li>• MTH 130 Contemporary Mathematics</li> </ul>   | 3-5          |

- MTH 136 Pre-Calculus I: Algebra
- MTH 137 Pre-Calculus II: Trigonometry
- MTH 138 Pre-Calculus Mathematics
- MTH 261 Analytic Geometry and Calculus I

**Recommended courses**

- *MTH 130 is recommended if planning to become certified in elementary education*
- *MTH 136 or higher is recommended if planning to get a secondary education degree*

| Natural World Requirements  | Credit Hours |
|---|--------------|
| <p>At least one course from each area, two different course codes, at least one with a lab<sup>†</sup></p> <p><b>Life Sciences</b></p> <ul style="list-style-type: none"> <li>• BIO 100<sup>†</sup> Biological Science for Educators</li> <li>• BIO 101 Biological Concepts</li> <li>• BIO 111<sup>†</sup> Understanding Biological Systems Through Inquiry (lab)</li> <li>• BIO 121<sup>†</sup> General Biology I</li> <li>• BMS 110<sup>†</sup> Introduction to the Biomedical Sciences</li> <li>• BMS 111<sup>†</sup> Introductory Laboratory in Biomedical Sciences ENV</li> <li>• 105 Environmental Science</li> <li>• GLG 115 Life of the Past</li> </ul> <p><b>Recommended course</b></p> <ul style="list-style-type: none"> <li>• <i>BIO 100<sup>†</sup> is the recommended course</i></li> </ul>   | 3-4          |
| <p><b>Physical Sciences</b></p> <ul style="list-style-type: none"> <li>• AST 113 Modern Astronomy</li> <li>• AST 114 Survey of Astronomy</li> <li>• CHM 116 Fundamentals of Chemistry</li> <li>• CHM 117<sup>†</sup> Fundamentals of Chemistry Lab</li> <li>• CHM 160 General Chemistry I</li> <li>• CHM 161<sup>†</sup> General Chemistry I Laboratory</li> <li>• GLG 110<sup>†</sup> Principles of Geology</li> <li>• GLG 171 Environmental Geology</li> <li>• GRY 135<sup>†</sup> Atmospheric Science</li> <li>• GRY 142<sup>†</sup> Introductory Physical Geography</li> <li>• PHY 100<sup>†</sup> Survey of Physics with Laboratory</li> <li>• PHY 101<sup>†</sup> Physics by Inquiry for Educators</li> <li>• PHY 102 Survey of Physics</li> <li>• PHY 123<sup>†</sup> Introduction to Physics I</li> </ul> <p><b>Recommended course</b></p> <ul style="list-style-type: none"> <li>• <i>PHY 101<sup>†</sup> is the recommended course</i></li> </ul> | 4-5          |

| Human Culture Requirements  | Credit Hours |
|---|--------------|
| <p><b>Social and Behavioral Science (choose two)</b></p> <ul style="list-style-type: none"> <li>• AGR 100 Food Security</li> <li>• AGR 144 Agricultural Economics I</li> <li>• ANT 125 Exploring Our Human Ancestry</li> <li>• CFD 155 Principles of Human Development</li> </ul> | 6            |

- CFD 163 Relationships in Today's Families
- ECO 155 Principles of Macroeconomics
- ECO 165 Principles of Microeconomics
- GRY 108 Principles of Sustainability
- MED 120 Introduction to Mass Communications
- PSY 121 Introductory Psychology
- REL 131 Religion in America
- SOC 150 Principles of Sociology

**Recommended courses**

- *PSY 121 is recommended as one of the courses*
- *ECO 155 is recommended if planning to become certified for middle school social studies*

**Humanities (choose one)**

3

- ENG 230 Introductory Reading in Literature
- ENG 231 Major Writers of English
- ENG 234 Literature for Children and Young Adults
- ENG 235 Critical Approaches to Literature
- ENG 236 Minorities in Literature
- ENG 280 Short Story
- ENG 283 Folklore and Cultural Engagement
- ENG 285 Subjects in Folklore
- ENG 288 Literature of Work: Readings in the Professions
- HST 103 World History to 1600 C.E.
- HST 104 World History Since 1600 C.E.
- LLT 121 Classical Mythology
- LLT 197 Selected Topics in Language and Literature
- LLT 201 Masterpieces of Continental Literature
- LLT 202 Major Authors in Translation
- LLT 215 Asian Global Studies
- MED 274 Understanding Film
- Foreign Language, any course
- MUS 241 The Language of Music
- PHI 110 Introduction to Philosophy
- REL 101 Introduction to the Old Testament
- REL 102 Introduction to the New Testament

**Recommended course**

- *ENG 234 is recommended if planning to become certified in Elementary Education or Middle School Education*
- *If planning to become certified in elementary education, it is recommended that one of the following be taken: ART 200 (from the Arts below), MUS 239 (from the Arts below) or MUS 241 (from the Humanities above)*

**The Arts (choose one)**

3

- ART 200 Art in Context
- ENG 203 Creative Writing: Poetry
- ENG 205 Creative Writing: Non-Fiction
- ENG 215 Creative Writing: Short Story
- MUS 239 Introduction to World Music
- THE 101 Introduction to Theatre and Drama Arts

**Public Affairs Requirements**

**Credit Hours**

|   |   |
|---|---|
| <b>US and MO Constitutions and American History</b><br>PLS 101 American Democracy and Citizenship   | 3 |
| <i>US History (choose one)</i> <ul style="list-style-type: none"> <li>HST 121 Survey of US History to 1877</li> <li>HST 122 Survey of US History Since 1877</li> </ul>  | 3 |
| <i>Cultural Competence (choose one)</i> <ul style="list-style-type: none"> <li>ENG 289 Literature, Culture and Conflict</li> <li>GRY 100 World Regional Geography</li> <li>LLT 180 The Heroic Quest</li> </ul> <p><b>Recommended course</b></p> <ul style="list-style-type: none"> <li>GRY 100 is recommended if planning to become certified for elementary education or middle school social studies</li> </ul> | 3 |
| <i>Public Issues</i><br>EDU 250 Foundations of American Education   | 3 |

|   |                     |
|---|---------------------|
| <b>Total General Education Requirements</b> | <b>Credit Hours</b> |
| <b>Total Hours:</b>                         | <b>45-49</b>        |

|   |                     |
|---|---------------------|
| <b>Institutional Requirements</b>   | <b>Credit Hours</b> |
| CIS 101 Computers for Learning  | 3                   |
| EDU 150 Introduction to Teaching (optional)   | 0-1                 |
| <i>Capstone Course (choose one)</i> <ul style="list-style-type: none"> <li>EDU 297 Rural Education in a Global Society</li> <li>IDS 297 Topics in Globalization</li> </ul> <p><b>Recommended course</b></p> <ul style="list-style-type: none"> <li>EDU 297 is the recommended course</li> </ul> | 2-3                 |
| <i>Note: EDU 150 is required for some secondary education and STEM degrees. Please consult with an advisor at the transfer institution to determine requirements.</i>   |                     |
| <b>Total Institutional Required Hours:</b>  | <b>5-7</b>          |

**Notes:**

- \* Students who transfer to Missouri State-Springfield before completing their Associate of Arts in Teaching degree may find these classes will not satisfy the Public Issues requirement.
- Some four-year institutions may require a minimum grade for teacher education



*courses or other courses. Please consult with an advisor at the transfer institution to determine requirements.*

- *If planning to teach secondary mathematics, please consult your advisor for a replacement course for MTH 220*

| <b>Teacher Education Core Requirements</b>                 | <b>Credit Hours</b> |
|--|---------------------|
| EDU 202 Teaching Profession with Field Experience          | 3                   |
| EDU 260 Educational Psychology                             | 3                   |
| EDU 265 Instructional Applications of Technology and Media | 3                   |
| MTH 220 Foundations of Mathematics for Teachers            | 3                   |
| <b>Teacher Education Core Total</b>                        | <b>12</b>           |

**Other Requirements:**

- Achieve a passing score on all sections of the Missouri State Board of Education entry examination (MoGEA)
- Achieve a minimum cumulative grade point average of 2.75
- Achieve a minimum grade point average of 2.75 for Teacher Education Core courses

| <b>Teaching (AA) Degree</b>  | <b>Credit Hours</b> |
|------------------------------|---------------------|
| <b>Total Hours Required:</b> | <b>62-68</b>        |

**Notes:**

- Four-year transfer institutions may have additional requirements, including higher GPA or MoGEA scores. Students are encouraged to work closely with an advisor from the receiving institution so they may understand and prepare to meet all entrance requirements.
- Students that do not achieve passing scores on the MoGEA or that do not have the minimum GPAs may meet the requirements for the Associate of Arts in General Studies degree.

# Technology

## Degrees

[Technology \(AAS\)](#)

[Technology \(AS\)](#)

## Certificates

[Advanced Fabrication Technology \(Cert\)](#)

[Advanced Industrial Maintenance \(Cert\)](#)

Advanced Manufacturing Technology (Cert)

Alternative Energy (Cert)

Information Technology (Cert)

Technology Management (Cert)

# Associate of Applied Science in Agriculture

## Agriculture (AAS)

### Associate of Applied Science

The Associate of Applied Science (AAS) in Agriculture prepares students for a career in the agriculture field. The AAS in Agriculture provides students with a fundamental knowledge in animal science, plant science, soils and agricultural business, plus additional agriculture courses to meet their individual career goals. 60 Credit Hours

| General Education Requirements  | Credit Hours |
|---|--------------|
| CIS 101 Computers for Learning  | 3            |
| COM 115 Fundamentals of Public Speaking   | 3            |
| ENG 110 Writing I   | 3            |
| <b>IDS:</b> Select two (2) credit hours   |              |
| <ul style="list-style-type: none"> <li>• IDS 110 Student Success</li> <li>• IDS 115 Career Exploration</li> </ul>   | 2            |
| <b>Civics:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3            |

|  |           |
|--|-----------|
| <b>Mathematical Science:</b> Select three (3) credit hours   |           |
| <ul style="list-style-type: none"> <li>• MGT 130 Business Mathematics <b>OR</b></li> <li>• MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 and MTH 297) <b>OR</b></li> <li>• TEC 101 Math for the Trades</li> </ul> | 3         |
| <b>General Education Total</b>   | <b>17</b> |

| Agricultural Requirements   | Credit Hours |
|---|--------------|
| AGR 101 Animal Science  | 4            |
| AGR 103 Plant Science   | 4            |
| AGR 112 Introduction to Agricultural Business   | 3            |
| AGR 215 Soils   | 3            |
| AGR 297 Global Agriculture and Food Production (capstone course)  | 3            |
| AGR 299 Agricultural Internship   | 3            |
| <b>Agriculture Electives:</b> Select 23 credit hours of AGR or other electives as approved by the department. | 23           |
| <b>Agriculture Total</b>  | <b>43</b>    |

| Agriculture (AAS) Degree    | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>60</b>    |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Associate of Science in Agriculture

## Agriculture (AS)

### Associate of Science

The Associate of Science (AS) in Agriculture prepares students for transfer to a four-year agriculture degree. The AS in Business includes the general education courses needed for a bachelors degree plus key agriculture courses, customized to meet the individual students' educational goals. 60 Credit Hours

| Written Communications  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| <b>Writing II:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| Oral Communications   | Credit Hours |
| COM 115 Fundamentals of Public Speaking   | 3            |
| Mathematical Sciences   | Credit Hours |
| MTH 130 Contemporary Mathematics or higher (Except MTH 197 and MTH 297).  | 3            |

| Natural Sciences  | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
|---|--------------|-------------------------------|--------------|---|---|---|---|---|---|---|---|
| Select a minimum of seven (7) credit hours of natural science courses, including at least one course with a lab component, from the list below.   |              |                               |              |   |   |   |   |   |   |   |   |
| <ul style="list-style-type: none"> <li>• BIO 101 Biology in Your World</li> <li>• BIO 111 Understanding Biological Systems Through Inquiry</li> <li>• BIO 121 General Biology I</li> <li>• CHM 116 Fundamentals of Chemistry</li> <li>• CHM 117 Fundamentals of Chemistry Laboratory</li> <li>• CHM 160 General Chemistry I</li> <li>• GLG 110 Principles of Geology</li> <li>• GRY 142 Introductory Physical Geography</li> </ul>  | 7            |                               |              |   |   |   |   |   |   |   |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="175 632 1127 705">Social and Behavioral Science</th> <th data-bbox="1127 632 1443 705">Credit Hours</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 705 1127 779">PSY 121 Introductory Psychology</td> <td data-bbox="1127 705 1443 779" style="text-align: right;">3</td> </tr> <tr> <td data-bbox="175 779 1127 884">Select three (3) credit hours from the list of approved <a href="#">Social and Behavioral Science Core 42 courses</a>.</td> <td data-bbox="1127 779 1443 884" style="text-align: right;">3</td> </tr> <tr> <td colspan="2" data-bbox="175 884 1443 957"><b>Civics:</b> Select three (3) credit hours</td> </tr> <tr> <td data-bbox="175 957 1127 1094"> <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> </td> <td data-bbox="1127 957 1443 1094" style="text-align: right; vertical-align: top;">3</td> </tr> </tbody> </table> |              | Social and Behavioral Science | Credit Hours | PSY 121 Introductory Psychology   | 3 | Select three (3) credit hours from the list of approved <a href="#">Social and Behavioral Science Core 42 courses</a> . | 3 | <b>Civics:</b> Select three (3) credit hours  |   | <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3 |
| Social and Behavioral Science   | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
| PSY 121 Introductory Psychology   | 3            |                               |              |   |   |   |   |   |   |   |   |
| Select three (3) credit hours from the list of approved <a href="#">Social and Behavioral Science Core 42 courses</a> .   | 3            |                               |              |   |   |   |   |   |   |   |   |
| <b>Civics:</b> Select three (3) credit hours  |              |                               |              |   |   |   |   |   |   |   |   |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul>   | 3            |                               |              |   |   |   |   |   |   |   |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="175 1136 1127 1209">Humanities and Fine Art</th> <th data-bbox="1127 1136 1443 1209">Credit Hours</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 1209 1127 1314">Select nine (9) credit hours minimum, from at least two (2) disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a>.</td> <td data-bbox="1127 1209 1443 1314" style="text-align: right;">9</td> </tr> </tbody> </table>  |              | Humanities and Fine Art       | Credit Hours | Select nine (9) credit hours minimum, from at least two (2) disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> . | 9 |   |   |   |   |   |   |
| Humanities and Fine Art   | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
| Select nine (9) credit hours minimum, from at least two (2) disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> .   | 9            |                               |              |   |   |   |   |   |   |   |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="175 1346 1127 1430">Additional General Education</th> <th data-bbox="1127 1346 1443 1430">Credit Hours</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 1430 1127 1503">Select an additional five (5) credit hours from the list of approved <a href="#">Core 42 courses</a>.</td> <td data-bbox="1127 1430 1443 1503" style="text-align: right;">5</td> </tr> </tbody> </table>  |              | Additional General Education  | Credit Hours | Select an additional five (5) credit hours from the list of approved <a href="#">Core 42 courses</a> .  | 5 |   |   |   |   |   |   |
| Additional General Education  | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
| Select an additional five (5) credit hours from the list of approved <a href="#">Core 42 courses</a> .  | 5            |                               |              |   |   |   |   |   |   |   |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="175 1535 1127 1619">Institutional Requirements</th> <th data-bbox="1127 1535 1443 1619">Credit Hours</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 1619 1127 1692">CIS 101 Computers for Learning</td> <td data-bbox="1127 1619 1443 1692" style="text-align: right;">3</td> </tr> <tr> <td colspan="2" data-bbox="175 1692 1443 1766"><b>IDS:</b> Select two (2) credit hours</td> </tr> <tr> <td data-bbox="175 1766 1127 1871"> <ul style="list-style-type: none"> <li>• IDS 110 Student Success</li> <li>• IDS 115 Career Exploration</li> </ul> </td> <td data-bbox="1127 1766 1443 1871" style="text-align: right; vertical-align: top;">2</td> </tr> </tbody> </table>  |              | Institutional Requirements    | Credit Hours | CIS 101 Computers for Learning  | 3 | <b>IDS:</b> Select two (2) credit hours   |   | <ul style="list-style-type: none"> <li>• IDS 110 Student Success</li> <li>• IDS 115 Career Exploration</li> </ul> | 2 |   |   |
| Institutional Requirements  | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
| CIS 101 Computers for Learning  | 3            |                               |              |   |   |   |   |   |   |   |   |
| <b>IDS:</b> Select two (2) credit hours   |              |                               |              |   |   |   |   |   |   |   |   |
| <ul style="list-style-type: none"> <li>• IDS 110 Student Success</li> <li>• IDS 115 Career Exploration</li> </ul>   | 2            |                               |              |   |   |   |   |   |   |   |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="175 1913 1127 1995">Agriculture Requirements</th> <th data-bbox="1127 1913 1443 1995">Credit Hours</th> </tr> </thead> <tbody> <tr> <td data-bbox="175 1995 1127 1995"></td> <td data-bbox="1127 1995 1443 1995"></td> </tr> </tbody> </table>   |              | Agriculture Requirements      | Credit Hours |   |   |   |   |   |   |   |   |
| Agriculture Requirements  | Credit Hours |                               |              |   |   |   |   |   |   |   |   |
|   |              |                               |              |   |   |   |   |   |   |   |   |

|  |     |
|--|-----|
| AGR 101 Animal Science   | 4   |
| AGR 215 Soils  | 3   |
| <b>Plant Science or Natural Resources:</b> Select three (3) or four (4) credit hours   |     |
| <ul style="list-style-type: none"> <li>• AGR 103 Plant Science (4) <b>OR</b></li> <li>• AGR 115 Sustainable Agriculture and the Environment (3)</li> </ul> | 3-4 |
| <b>Agriculture Elective:</b> Select two (2) or three (3) credit hours from AGR courses.  | 2-3 |

| Agriculture (AS) Degree     | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>60</b>    |

**Degree Notes:**

1. *AGR 115 offered in the fall semester and AGR 103 offered in the spring semester.*
2. *Math requirements exclude MTH 197 and MTH 297.*
3. *Students interested in Agricultural Business or Wildlife Conservation and Management should take MTH 136*
4. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
5. *Electives must be approved by the department.*
6. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*
7. *This degree is a transfer degree and contains the Missouri Higher Education [Core Transfer Curriculum \(Core 42\)](#).*



# Certificate in Agricultural Business

## Agricultural Business (Cert)

### Certificate

The Certificate in Agricultural Business includes the fundamentals of business, accounting and economics with agriculture courses, including an internship experience, to provide a practical knowledge in agriculture business. While the Certificate in Agricultural Business may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science in Entrepreneurship, Associate of Applied Science in General Agriculture or Associate of Science in Agriculture. Courses included may also be applied toward bachelor's degrees at some four-year institutions. 25 Credit Hours

| Agricultural Business Certificate Requirements   | Credit Hours |
|--|--------------|
| AGR 101 Animal Science   | 4            |
| <ul style="list-style-type: none"> <li>• AGR 103 Plant Science <b>OR</b></li> <li>• AGR 115 Sustainable Agriculture and the Environment</li> </ul>   | 3            |
| AGR 112 Introduction to Agricultural Business  | 3            |
| AGR 215 Soils  | 3            |
| Select 12 credit hours from the following: <ul style="list-style-type: none"> <li>• ACC 201 Introduction to Financial Accounting (3)*</li> <li>• AGR 144 Agricultural Economics (4)*</li> <li>• AGR 299 Agricultural Internship (1-3)</li> </ul> | 12           |

- LAW 231 Legal Environment of Business (3)\*
- MGT 286 Business Communications (3)\*
- PSY 121 Introductory Psychology (3)
- QBA 237 Basic Business Statistics (3)\*

| Agricultural Business (Cert) | Credit Hours |
|------------------------------|--------------|
| <b>Total Hours Required</b>  | <b>25</b>    |

*\* Departmental permission is required if prerequisites have not been met.*

# Certificate in Animal Science

## Animal Science (Cert)

### Certificate

The Certificate in Animal Science provides a broad exposure to all types of agriculture pertinent to the animal industries, including animal production and nutrition. An internship experience is also included to provide a practical knowledge in animal science. While the Certificate in Animal Science may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Science in Agriculture or the Associate of Applied Science in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions. 24 Credit Hours

| Animal Science Certificate Requirements               | Credit Hours |
|---|--------------|
| AGR 101 Animal Science                                | 4            |
| AGR 112 Introduction to Agricultural Business         | 3            |
| AGR 215 Soils   | 3            |
| Select 3 credit hours from the following:             |              |
| • AGR 103 Plant Science                               | 3            |
| • AGR 115 Sustainable Agriculture and the Environment | 3            |

Select 11 credit hours from the following:

|   |     |
|---|-----|
| • AGR 161 Introduction to Horses                            | 3   |
| • AGR 162 Introduction to Riding                            | 1   |
| • AGR 163 Introduction to Hunt Seat Equestrian Competition  | 1   |
| • AGR 164 Introduction to Stock Seat Equestrian Competition | 1   |
| • AGR 185 Introduction to Companion Animal Science          | 3   |
| • AGR 191 Evaluation and Performance Appraisal of Horses    | 2   |
| • AGR 196 Dairy and Meat Animal Evaluation                  | 2   |
| • AGR 201 Physiology of Farm Animals                        | 3   |
| • AGR 202 Reproductive Physiology                           | 3   |
| • AGR 206 Veterinary Science                                | 3   |
| • AGR 210 Animal Nutrition                                  | 3   |
| • AGR 252 Beef Cattle Production                            | 3   |
| • AGR 262 Riding for Horse Training                         | 2   |
| • AGR 263 Intermediate Hunt Seat Competition                | 1   |
| • AGR 264 Intermediate Stock Seat Equestrian Competition    | 1   |
| • AGR 299 Agricultural Internship                           | 1-3 |

| <b>Animal Science (Cert)</b> | <b>Credit Hours</b> |
|------------------------------|---------------------|
| <b>Total Hours Required</b>  | <b>24</b>           |

# Certificate in Equine Studies

## Equine Studies (Cert)

### Certificate

The Certificate in Equine Studies provides with knowledge specific to the equine industry, including equine management, health, nutrition, and evaluation of horses. Riding courses, including hunt seat and stock seat, are also included. While the Certificate in Equine Studies may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Animal Science Certificate, Associate of Science in Agriculture or the Associate of Applied Science in Agriculture. 12 Credit Hours

| Equine Studies Certificate Requirements                   | Credit Hours |
|---|--------------|
| Select 12 credit hours from the following:                |              |
| AGR 161 Introduction to Horses                            | 3            |
| AGR 162 Introduction to Riding                            | 1            |
| AGR 163 Introduction to Hunt Seat Equestrian Competition  | 1            |
| AGR 164 Introduction to Stock Seat Equestrian Competition | 1            |
| AGR 191 Evaluation and Performance Appraisal of Horses    | 2            |
| AGR 201 Physiology of Farm Animals                        | 3            |

|  |     |
|--|-----|
| AGR 202 Reproductive Physiology                        | 3   |
| AGR 206 Veterinary Science                             | 3   |
| AGR 210 Animal Nutrition                               | 3   |
| AGR 262 Riding for Horse Training                      | 2   |
| AGR 263 Intermediate Hunt Seat Competition             | 1   |
| AGR 264 Intermediate Stock Seat Equestrian Competition | 1   |
| AGR 299 Agricultural Internship                        | 1-3 |

| <b>Equine Studies (Cert)</b> | <b>Credit Hours</b> |
|------------------------------|---------------------|
| <b>Total Hours Required</b>  | <b>12</b>           |

# Certificate in General Agriculture

## General Agriculture (Cert)

### Certificate

The Certificate in General Agriculture provides a broad experience to all types of agriculture; an internship experience is also included to provide students with practical knowledge and skills. While the Certificate of General Agriculture may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Agricultural Business Certificate, Animal Science Certificate, Natural Resources/Wildlife Management Certificate, Associate of Science in Agriculture or the Associate of Applied Science in General Agriculture. 13 Credit Hours

| General Agriculture Certificate Requirements        | Credit Hours |
|---|--------------|
| AGR 101 Animal Science                              | 4            |
| AGR 112 Introduction to Agricultural Business       | 3            |
| AGR 215 Soils                                       | 3            |
| Select 3 credit hours from the following:           |              |
| AGR 103 Plant Science                               | 4            |
| AGR 115 Sustainable Agriculture and the Environment | 3            |

| General Agriculture (Cert)  | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>13</b>    |



# Certificate in Horticulture

## Horticulture (Cert)

### Certificate

The Certificate in Horticulture provides a broad exposure to all types of agriculture pertinent to the horticulture, including animal production and nutrition. An internship experience is also included to provide a practical knowledge in animal science. While the Certificate in Horticulture may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Plant Science Certificate or the Associate of Applied Science in General Agriculture. 12 Credit Hours

| Horticulture Certificate Requirements         | Credit Hours |
|---|--------------|
| Select 12 credit hours from the following:    |              |
| AGR 112 Introduction to Agricultural Business | 3            |
| AGR 143 Introductory Forestry                 | 3            |
| AGR 170 Introduction to Horticulture          | 3            |
| AGR 171 Controlled Environmental Agriculture  | 2            |
| AGR 172 Greenhouse Management                 | 1            |
| AGR 173 Aquaponics and Hydroponics            | 1            |
| AGR 174 Integrated Pest Management            | 1            |
| AGR 175 Vegetable and Fruit Production        | 1            |

|                                 |     |
|---------------------------------|-----|
| AGR 299 Agricultural Internship | 1-3 |
|---------------------------------|-----|

|     |
|-----|
| 1-3 |
|-----|

| Horticulture (Cert)         | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>12</b>    |

# Certificate in Natural Resources/Wildlife Management

## Natural Resources/Wildlife Management (Cert) Certificate

The Certificate in Natural Resources/Wildlife Management provides a broad exposure to all types of agriculture pertinent to the animal industries, including animal production and nutrition. An internship experience is also included to provide a practical knowledge in animal science. While the Certificate in Natural Resources/Wildlife Management may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Science in Agriculture or the Associate of Applied Science in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions. 24 Credit Hours

| Natural Resources Certificate Requirements          | Credit Hours |
|---|--------------|
| AGR 101 Animal Science                              | 4            |
| AGR 103 Plant Science                               | 3            |
| AGR 112 Introduction to Agricultural Business       | 3            |
| AGR 115 Sustainable Agriculture and the Environment | 3            |
| AGR 215 Soils                                       | 3            |

Select 9 credit hours from the following:

|                                    |     |
|------------------------------------|-----|
| AGR 143 Introductory Forestry      | 3   |
| AGR 240 Wildlife Techniques        | 3   |
| AGR 242 Wildlife Damage Management | 3   |
| AGR 299 Agricultural Internship    | 1-3 |
| GLG 110 Principles of Geology      | 4   |
| GRY 100 World Regional Geography   | 3   |

| <b>Natural Resources/Wildlife Management (Cert)</b> | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required</b>                         | <b>24</b>           |

# Certificate in Plant Science/Horticulture

## Plant Science/Horticulture (Cert)

### Certificate

The Certificate in Plant Science/Horticulture provides a broad exposure to all types of agriculture pertinent to the animal industries, including animal production and nutrition. An internship experience is also included to provide a practical knowledge in animal science. While the Certificate in Plant Science/Horticulture may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Science in Agriculture or the Associate of Applied Science in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions. 24 Credit Hours

| Plant Science/Horticulture Certificate Requirements   | Credit Hours |
|---|--------------|
| AGR 112 Introduction to Agricultural Business   | 3            |
| AGR 215 Soils   | 3            |
| <i>Select 3 or 4 credit hours from the following:</i>   |              |
| <ul style="list-style-type: none"> <li>• AGR 103 Plant Science (4) or</li> <li>• AGR 115 Sustainable Agriculture and the Environment (3)</li> </ul> | 3-4          |
| <i>Select 15 credit hours from the following:</i>   |              |
| AGR 143 Introductory Forestry   | 3            |

|  |     |
|--|-----|
| AGR 170 Introduction to Horticulture       | 3   |
| AGR 171 Controlled Environment Agriculture | 2   |
| AGR 172 Greenhouse Management              | 1   |
| AGR 173 Aquaponics and Hydroponics         | 1   |
| AGR 174 Integrated Pest Management         | 1   |
| AGR 175 Vegetable and Fruit Production     | 1   |
| AGR 275 Forage Crop Production             | 3   |
| AGR 299 Agricultural Internship            | 1-3 |

|  |                     |
|--|---------------------|
| <b>Plant Science/Horticulture (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>              | <b>24</b>           |

# Associate of Applied Science in Business

## Business (AAS)

### Associate of Applied Science

The Associate of Applied Science (AAS) in Business prepares students for a career in the business field. Students may select from options in Accounting, Entrepreneurship, Human Resources, Information Technology, Management and Technology Management. 60 credit hours

| General Education Requirements  | Credit Hours |
|---|--------------|
| CIS 101 Computers for Learning  | 3            |
| COM 115 Fundamentals of Public Speaking   | 3            |
| ENG 110 Writing I   | 3            |
| IDS 110 Student Success   | 2            |
| <b>Civics:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3            |
| <b>Economics:</b> Select three (3) credit hours   |              |
| <ul style="list-style-type: none"> <li>• ECO 155 Principles of Macroeconomics <b>OR</b></li> </ul>  | 3            |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>ECO 165 Principles of Microeconomics</li> </ul>  |           |
| <b>Mathematical Sciences:</b> Select three (3) credit hours   |           |
| <ul style="list-style-type: none"> <li>MGT 130 Business Mathematics <b>OR</b></li> <li>MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 and MTH 297)</li> </ul> | 3         |
| <b>General Education Total</b>  | <b>20</b> |

| <b>Business Requirements</b>                     | <b>Credit Hours</b> |
|--|---------------------|
| ACC 201 Introduction to Financial Accounting     | 3                   |
| BUS 135 Introduction to Business                 | 3                   |
| BUS 170 Business and Professional Ethics         | 3                   |
| BUS 297 International Business (capstone course) | 3                   |
| LAW 231 Legal Environment of Business            | 3                   |
| MGT 120 Introduction to Management               | 3                   |
| MGT 286 Business Communications                  | 3                   |
| QBA 237 Basic Business Statistics                | 3                   |
| <b>Business Total</b>                            | <b>24</b>           |

### Degree Notes:

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

## Accounting Option

| <b>Accounting Requirements</b>                           | <b>Credit Hours</b> |
|--|---------------------|
| ACC 211 Introduction to Managerial Accounting            | 3                   |
| ACC 220 Payroll Accounting                               | 1                   |
| ACC 221 Introduction to Individual Income Tax Accounting | 2                   |
| ACC 290 Accounting Software Applications                 | 3                   |
|  |                     |



|   |           |
|---|-----------|
| ACC 299 Internship in Accounting          | 3         |
| CIS 201 Computer Applications in Business | 3         |
| <b>Elective</b>                           | 1         |
| <b>Accounting Option Total</b>            | <b>16</b> |

|                             |                     |
|-----------------------------|---------------------|
| <b>Degree Requirements</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>60</b>           |

## Entrepreneurship Option

| Entrepreneurship Requirements             | Credit Hours |
|---|--------------|
| ACC 290 Accounting Software Applications  | 3            |
| EPR 110 Introduction to Entrepreneurship  | 3            |
| EPR 130 Sales and Customer Service        | 3            |
| EPR 290 Business Plan Development         | 1            |
| MGT 299 Internship in Business Management | 3            |
| MKT 150 Introduction to Marketing         | 3            |
| <b>Entrepreneurship Option Total</b>      | <b>16</b>    |

|                             |                     |
|-----------------------------|---------------------|
| <b>Degree Requirements</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>60</b>           |

## Human Resources Option

| Human Resources Requirements                              | Credit Hours |
|---|--------------|
| ACC 220 Payroll Accounting                                | 1            |
| BUS 180 Associated Professional in Human Resources (aPHR) | 3            |
| CIS 201 Computer Applications for Business                | 3            |
| MGT 140 Benefits Administration                           | 2            |
| MGT 299 Internship in Business Management                 | 2            |

|   |           |
|---|-----------|
| WES 110 Preparing for Today's Workforce | 3         |
| WES 126 Workplace Psychology            | 1         |
| WES 140 Critical Thinking               | 1         |
| <b>Human Resources Option Total</b>     | <b>16</b> |

|                             |                     |
|-----------------------------|---------------------|
| <b>Degree Requirements</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>60</b>           |

(Pending CBHE Approval)

## Information Technology Option

| Information Technology Requirements                | Credit Hours |
|--|--------------|
| CGP 145 Introduction to Computer Programming       | 3            |
| CIS 201 Computer Applications in Business          | 3            |
| CIS 205 Website Design and Development             | 3            |
| CIS 235 Computer Hardware and Operating Systems    | 3            |
| CIS 260 Introduction to Java Programming           | 3            |
| CIS 299 Internship in Computer Information Systems | 1            |
| <b>Information Technology Option Total</b>         | <b>16</b>    |

|                             |                     |
|-----------------------------|---------------------|
| <b>Degree Requirements</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>60</b>           |

## Management Option

| Management Requirements                       | Credit Hours |
|---|--------------|
| ACC 211 Introduction to Managerial Accounting | 3            |
| MGT 299 Internship in Business Management     | 3            |
| MKT 150 Introduction to Marketing             | 3            |
| <b>Elective</b>                               | <b>1</b>     |

|  |           |
|--|-----------|
| <b>Economics:</b> Select three (3) credit hours  |           |
| ECO 155 Principles of Macroeconomics <b>OR</b><br>ECO 165 Principles of Microeconomics | 3         |
| <b>Real Estate and Insurance:</b> Select three (3) credit hours                        |           |
| FIN 266 Principles of Real Estate <b>OR</b><br>INS 211 Insurance                       | 3         |
| <b>Management Option Total</b>   | <b>16</b> |

|                             |                     |
|-----------------------------|---------------------|
| <b>Degree Requirements</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>60</b>           |

## Technology Management Option

|  |                     |
|--|---------------------|
| <b>Technology Management Requirements</b>        | <b>Credit Hours</b> |
| TEC 112 Introduction to Supply Chain Management  | 3                   |
| TEC 228 Logistics, Transportation & Distribution | 3                   |
| TEC 232 Quality Management                       | 3                   |
| TEC 250 Safety Management                        | 3                   |
| TEC 255 Project Management                       | 3                   |
| TEC 299 Technology Internship                    | 1                   |
| <b>Technology Management Option Total</b>        | <b>16</b>           |

|                              |                     |
|------------------------------|---------------------|
| <b>Business (AAS) Degree</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>  | <b>60</b>           |

# Associate of Science in Business

## Business (AS)

### Associate of Science

The Associate of Science (AS) in Business prepares students for transfer to a four-year business degree in information technology, finance, general business, management, marketing and accounting. The AS in Business includes the general education courses needed for a bachelors degree plus key business courses. 60 credit hours

## Degree Requirements

| Written Communications  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| <b>Writing II:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| Oral Communications   | Credit Hours |
| COM 115 Fundamentals of Public Speaking   | 3            |
| Mathematical Sciences   | Credit Hours |

|   |                     |
|---|---------------------|
| MTH 136 Pre-Calculus I: Algebra or higher (Except MTH 197 and MTH 297)  | 3                   |
| <b>Natural Sciences</b>   | <b>Credit Hours</b> |
| Select a minimum of seven (7) credit hours of natural science courses, including at least one course with lab component, from the list of approved <a href="#">Natural Sciences Core 42 courses</a> .                 | 7                   |
| <b>Social and Behavioral Science</b>  | <b>Credit Hours</b> |
| ECO 155 Principles of Macroeconomics  | 3                   |
| ECO 165 Principles of Microeconomics  | 3                   |
| <b>Civics:</b> Select three (3) credit hours  |                     |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3                   |
| <b>Humanities and Fine Art</b>  | <b>Credit Hours</b> |
| BUS 170 Business and Professional Ethics  | 3                   |
| Select six (6) credit hours from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> .  | 6                   |
| <b>Additional General Education</b>   | <b>Credit Hours</b> |
| PSY 121 Introductory Psychology   | 3                   |
| Select three (3) credit hours from the list of approved <a href="#">Core 42 courses</a> .   | 3                   |
| <b>Institutional Requirements</b>   | <b>Credit Hours</b> |
| CIS 101 Computers for Learning  | 3                   |
| IDS 110 Student Success   | 2                   |
| <b>Business Requirements</b>  | <b>Credit Hours</b> |
| ACC 201 Introduction to Financial Accounting  | 3                   |
| BUS 297 International Business Capstone   | 3                   |

Select six (6) credit hours from the list below

- ACC 211 Introduction to Managerial Accounting
- MGT 286 Business Communications
- LAW 231 Legal Environment of Business
- QBA 237 Business Statistics

6

**Business (AS) Degree**

**Credit Hours**

**Total Hours Required**

**60**

### **Degree Notes:**

1. Math requirements exclude MTH 197 or MTH 297.
2. Students are required to complete a minimum of three (3) credit hours of math, regardless of placement.
3. BUS/IDS 297 is also an institutional requirement.
4. Electives must be approved by the department.
5. Students should confirm the transferability of courses with their transfer university before completing courses at MSU-WP.
6. This degree is a transfer degree and contains the Missouri Higher Education [Core Transfer Curriculum \(Core 42\)](#).

# Certificate in Advanced Business Studies

## Advanced Business Studies (Cert) Certificate

The Certificate in Advanced Business Studies includes introductory courses in business, management, marketing, business math, accounting and economics. While the Certificate in Advanced Business Studies may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science in Business. 24 Credit Hours

| Advanced Business Studies Certificate Requirements                                    | Credit Hours |
|---|--------------|
| BUS 135 Introduction to Business  | 3            |
| MGT 120 Introduction to Management  | 3            |
| MGT 130 Business Math <b>OR</b><br>MTH 100 Intermediate Applied Mathematics or higher | 3            |
| MKT 150 Introduction to Marketing   | 3            |
| ACC 201 Introduction to Financial Accounting  | 3            |
| ACC 211 Introduction to Managerial Accounting   | 3            |
| ECO 155 Principles of Macroeconomics  | 3            |
|   |              |

ECO 165 Principles of Microeconomics

3

**Advanced Business Studies (Cert)**

**Credit Hours**

**Total Hours Required**

**24**

\*Math requirements exclude MTH 197 or MTH 297 and must equal a minimum of three (3) credit hours.

\*\*Departmental permission is required if prerequisites have not been met.



# Certificate in Basic Bookkeeping

## Basic Bookkeeping (Cert)

### Certificate

The Certificate in Basic Bookkeeping is awarded upon successful completion of the 12 credit hours of business courses. Courses included in this certificate include computers for learning, business math, a survey of financial and managerial accounting, QuickBooks, and individual tax preparation and payroll accounting. Courses required as part of the Certificate in Basic Bookkeeping also satisfy requirements of the Certificate of Basic Office Management and the Associate of Applied Science in Business – Accounting Emphasis. The Certificate in Basic Bookkeeping equips students with the knowledge and skills needed for an entry-level career in business. 12 Credit Hours

*Not eligible for financial aid*

| Basic Bookkeeping Certification Requirements  | Credit Hours |
|---|--------------|
| ACC 201 Introduction to Financial Accounting  | 3            |
| ACC 220 Payroll Accounting  | 1            |
| ACC 221 Introduction to Individual Income Tax Accounting                              | 2            |
| CIS 101 Computers for Learning  | 3            |
| MGT 130 Business Math <b>OR</b><br>MTH 100 Intermediate Applied Mathematics or higher | 3            |

|                                 |                     |
|---------------------------------|---------------------|
| <b>Basic Bookkeeping (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>     | <b>12</b>           |

\*Math requirements exclude MTH 197 or MTH 297 and must equal a minimum of three (3) credit hours.

# Certificate in Basic Business Studies

## Basic Business Studies (Cert)

### Certificate

The Certificate in Basic Business Studies includes introductory courses in business, management, marketing and business math. While the Certificate in Basic Business Studies may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Certificate in Advanced Business Studies or Associate of Applied Science in Business. 12 Credit Hours

*Not eligible for financial aid*

| Basic Business Studies Core Requirements  | Credit Hours |
|---|--------------|
| BUS 135 Introduction to Business  | 3            |
| MGT 120 Introduction to Management  | 3            |
| MGT 130 Business Math <b>OR</b><br>MTH 100 Intermediate Applied Mathematics or higher | 3            |
| MKT 150 Introduction to Marketing   | 3            |

| Basic Business Studies (Cert) | Credit Hours |
|-------------------------------|--------------|
| <b>Total Hours Required</b>   | <b>12</b>    |

\*Math requirements exclude MTH 197 or MTH 297 and must equal a minimum of three (3) credit hours.

# Certificate in Basic Office Management

## Basic Office Management (Cert)

### Certificate

The Certificate in Basic Office Management is awarded upon successful completion of the 33 credit hours of business courses. Courses included in this certificate include introductions to business and management, financial accounting, managerial accounting, payroll accounting, business math, computers for business, QuickBooks, individual tax preparation and business communications. Courses required as part of the Certificate in Basic Office Management also satisfy requirements of the Associate of Applied Science in Business—Accounting Emphasis. The Certificate in Basic Office Management equips students with the knowledge and skills needed for an entry-level career in business. 33 credit hours

| Basic Office Management Certification Requirements       | Credit Hours |
|--|--------------|
| ACC 201 Introduction to Financial Accounting             | 3            |
| ACC 211 Introduction to Managerial Accounting            | 3            |
| ACC 220 Payroll Accounting                               | 1            |
| ACC 221 Introduction to Individual Income Tax Accounting | 2            |
| ACC 290 Accounting Software Applications                 | 3            |
| BUS 135 Introduction to Business                         | 3            |

|   |   |
|---|---|
| CIS 101 Computers for Learning  | 3 |
| CIS 201 Computer Applications for Business  | 3 |
| ENG 110 Writing I   | 3 |
| MGT 120 Introduction to Management  | 3 |
| MGT 130 Business Math <b>OR</b><br>MTH 100 Intermediate Applied Mathematics or higher | 3 |
| MGT 286 Business Communications   | 3 |

|                                       |                     |
|---------------------------------------|---------------------|
| <b>Basic Office Management (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>           | <b>33</b>           |

\*Math requirements exclude MTH 197 or MTH 297 and must equal a minimum of three (3) credit hours.

\*\*Departmental permission is required if prerequisites have not been met.

## Cost:

- Q: How much will this program cost me?
- A: Tuition and fees: \$3,908
  - Books and supplies: \$1,858
  - On-campus room and board: N/A

## Financing:

- Q: What are my financing options to pay for the program?
- A: In addition to any grant and scholarship aid for which they are eligible, 0% of graduates used loans to finance their education. The median debt for program graduates:
  - Federal Loans: \$0
  - Private education loans: \$0
  - Institutional financing plan: \$0

## Success:

- Q: How long will it take me to complete this program?
  - A: The program is designed to take 12 months to complete. N/A % of graduates from this program finished in this time.
  - Q: What are the chances of getting a job when I graduate?
  - A: The job placement rate for students who complete the program is N/A%
- 
- Q: Will I be able to pay back my student loans?

- A: A % of students in this institution who took out federal student loans are successfully repaying them.

# Certificate in Foundations of Business

## Foundations of Business (Cert)

### Certificate

The Foundations of Business Certificate is awarded upon successful completion of the 24 credit hours of business courses. Courses included in this certificate will satisfy the Missouri State University College of Business admission prerequisite courses and includes accounting, economics, business statistics, business law, marketing, business communications among others. Courses in this certificate may also be applied to Missouri State University College of Business bachelor's degree programs. 24 credit hours

| Foundations in Business Certification Requirements | Credit Hours |
|--|--------------|
| Select eight of the following:                     |              |
| ACC 201 Introduction to Financial Accounting       | 3            |
| ACC 211 Introduction to Managerial Accounting      | 3            |
| CIS 101 Computers for Learning                     | 3            |
| COM 115 Fundamentals of Public Speaking            | 3            |
| ECO 155 Principles of Macroeconomics               | 3            |
| ECO 165 Principles of Microeconomics               | 3            |
|  |              |



|                                       |   |
|---------------------------------------|---|
| ENG 110 Writing I                     | 3 |
| LAW 231 Legal Environment of Business | 3 |
| MGT 286 Business Communications       | 3 |
| PSY 121 Introductory Psychology       | 3 |
| QBA 237 Basic Business Statistics     | 3 |

|                                       |                     |
|---------------------------------------|---------------------|
| <b>Foundations of Business (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>           | <b>24</b>           |

\*Departmental permission is required if prerequisites have not been met.

# Human Resources Certificate

## Human Resources (Cert) Certificate

The Certificate in Human Resources prepares students for a career in human resources. Courses include human resources, benefits management, payroll accounting, computer applications for business, and other workplace essential skills. This certificate prepares students for the Associate Human Resources Professional (aPHR) certification exam. While the Certificate in Human Resources may be completed as a standalone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science in Business – Human Resources option. 24 credit hours

| Human Resources Certification Requirements        | Credit Hours |
|---|--------------|
| Select 12 courses from the following:             |              |
| ACC 220 Payroll Accounting                        | 1            |
| BUS 180 Associate Professional in Human Resources | 3            |
| CIS 101 Computers for Learning                    | 3            |
| CIS 201 Computers Applications for Business       | 3            |
| MGT 140 Benefits Administration                   | 1            |
| MGT 286 Business Communications                   | 3            |

|   |   |
|---|---|
| WES 110 Career Preparation                  | 3 |
| WES 120 Negotiation and Conflict Resolution | 1 |
| WES 126 Workplace Psychology                | 1 |
| WES 137 Generations in the Workplace        | 1 |
| WES 140 Critical Thinking                   | 1 |
| WES 145 Business Ethics                     | 1 |

| <b>Human Resources (Cert)</b> | <b>Credit Hours</b> |
|-------------------------------|---------------------|
| <b>Total Hours Required</b>   | <b>24</b>           |

# Certificate in Information Technology

## Information Technology (Cert) Certificate

| <b>Certificate in Information Technology</b>                                  | <b>Credit Hours</b> |
|---|---------------------|
| CGP 145 Introduction to Computer Programming                                  | 3                   |
| CIS 101 Computers for Learning  | 3                   |
| CIS 201 Computer Applications in Business (or CIS 290 Advanced Microcomputer) | 3                   |
| CIS 205 Website Design and Development  | 3                   |
| CIS 235 Computer Hardware and Operating Systems                               | 3                   |
| CIS 260 Introduction to Java Programming                                      | 3                   |
| CIS 290 Advanced Microcomputer Applications                                   | 3                   |
| CIS 295 Database Management Systems Concepts and Design                       | 3                   |

| <b>Information Technology (Cert)</b> | <b>Credit Hours</b> |
|--------------------------------------|---------------------|
| <b>Total Hours Required</b>          | <b>24</b>           |

# Associate of Applied Science in Child and Family Development

## Child and Family Development (AAS)

### Associate of Applied Science

The Associate of Applied Science in Child and Family Development is designed to prepare students for a career in child and family development. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| General Education Requirements               | Credit Hours |
|--|--------------|
| CIS 101 Computers for Learning               | 3            |
| COM 115 Fundamentals of Public Speaking      | 3            |
| ENG 110 Writing I                            | 3            |
| IDS 110 Student Success                      | 2            |
| PSY 121 Introductory Psychology              | 3            |
| <b>Civics:</b> Select three (3) credit hours |              |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3         |
| <b>Mathematical Sciences:</b> Select three (3) credit hours   |           |
| <ul style="list-style-type: none"> <li>• MGT 130 Business Mathematics <b>OR</b></li> <li>• MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 and MTH 297)</li> </ul>                       | 3         |
| <b>General Education Total</b>  | <b>20</b> |

| <b>Child and Family Development Requirements</b>  | <b>Credit Hours</b> |
|---|---------------------|
| CFD 110 Health, Safety and Nutrition  | 3                   |
| CFD 150 Introduction to Child and Family Development  | 1                   |
| CFD 155 Principles of Human Development   | 3                   |
| CFD 160 Principles of Development in Early Childhood  | 3                   |
| CFD 163 Relationships in Today's Families   | 3                   |
| CFD 250 Parenting in Contemporary Society   | 3                   |
| CFD 255 Principles of Development in Infancy  | 3                   |
| CFD 257 Principles of Development in Middle Childhood   | 3                   |
| CFD 260 Supervised Experience in the Child Development Laboratories   | 4                   |
| CFD 261 Play as Development   | 3                   |
| CFD 297 Internship in Planning and Implementing Curriculum for Child Development Centers  | 5                   |
| <b>Select two (2) of the following:</b>   |                     |
| <ul style="list-style-type: none"> <li>• CFD 204 Leadership and Advocacy for Children and Families</li> <li>• CFD 244 Working with Young Children with Special Needs</li> <li>• CFD 275 Behavior Management and Guidance</li> </ul> | 6                   |
| <b>Child and Family Development Total</b>   | <b>40</b>           |

| <b>Child and Family Development (AAS) Degree</b> | <b>Credit Hours</b> |
|--|---------------------|
| <b>Total Hours Required</b>                      | <b>60</b>           |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*

2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Associate of Arts in Child and Family Development

## Child and Family Development (AA)

### Associate of Arts

The Associate of Arts in Child and Family Development degree is a transfer degree and contains the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and child and family development courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| Written Communications  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| <b>Writing II:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| Oral Communications   | Credit Hours |
| COM 115 Fundamentals of Public Speaking   | 3            |
|   |              |



| <b>Mathematical Sciences</b>                                     | <b>Credit Hours</b> |
|--|---------------------|
| MTH 130 Contemporary Math or higher (Except MTH 197 and MTH 297) | 3                   |

| <b>Natural Sciences</b>  | <b>Credit Hours</b> |
|--|---------------------|
| Select four (4) credit hours of Biology, including 1 lab component   |                     |
| <ul style="list-style-type: none"> <li>BIO 100 Biological Science for Educators (4) (lab) <b>OR</b></li> <li>BIO 101 Biological Concepts <b>AND</b></li> <li>BIO 111 Understanding Biological Systems Through Inquiry (4)</li> </ul> | 4                   |
| Select a minimum of three (3) credit hours of natural science courses, from the list of approved <a href="#">Natural Sciences Core 42 courses</a> .  | 3                   |

| <b>Social and Behavioral Science</b>  | <b>Credit Hours</b> |
|---|---------------------|
| CFD 155 Principles of Human Development   | 3                   |
| PSY 121 Introductory Psychology   | 3                   |
| <b>Civics:</b> Select three (3) credit hours  |                     |
| <ul style="list-style-type: none"> <li>HST 121 Survey of US History to 1877 <b>OR</b></li> <li>HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>PLS 101 American Democracy and Citizenship</li> </ul> | 3                   |

| <b>Humanities and Fine Art</b>  | <b>Credit Hours</b> |
|---|---------------------|
| Select nine (9) credit hours from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> . | 9                   |

| <b>Additional General Education</b>   | <b>Credit Hours</b> |
|---|---------------------|
| Select six (6) credit hours from the list of approved <a href="#">Core 42 courses</a> . | 6                   |

| <b>Institutional Requirements</b> | <b>Credit Hours</b> |
|-----------------------------------|---------------------|
| CIS 101 Computers for Learning    | 3                   |
| IDS 110 Student Success           | 2                   |

| <b>Child and Family Development Requirements</b> | <b>Credit Hours</b> |
|--|---------------------|
| CFD 110 Health, Safety and Nutrition             | 3                   |

|  |   |
|--|---|
| CFD 150 Introduction to Child and Family Development | 1 |
| CFD 163 Relationships in Today's Families            | 3 |
| CFD 250 Parenting in Contemporary Society            | 3 |
| CFD 298 Child and Family Development Capstone        | 1 |
| CFD Elective   | 1 |

| Child and Family Development (AA) Degree | Credit Hours |
|--|--------------|
| Total Hours Required                     | 60           |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

# Certificate in Advanced Child and Family Development

## Advanced Child and Family Development (Cert) Certificate

| Advanced Child and Family Development Certificate Requirements   | Credit Hours |
|--|--------------|
| CFD 110 Health, Safety and Nutrition   | 3            |
| CFD 155 Principles of Human Development  | 3            |
| CFD 160 Principles of Development in Early Childhood   | 3            |
| CFD 163 Relationships in Today's Families  | 3            |
| <ul style="list-style-type: none"><li>• CFD 204 Leadership and Advocacy of Early Childhood Programs, Or</li><li>• CFD 275 Behavior Management and Guidance</li></ul> | 3            |
| CFD 244 Working with Young Children with Special Needs   | 3            |
| CFD 260 Supervised Experience in the Child Development Laboratories  | 4            |
| CFD 261 Play as Development  | 3            |

| Advanced Child and Family Development (Cert) | Credit Hours |
|--|--------------|
| <b>Total Required Hours</b>                  | <b>25</b>    |

# Certificate in Child and Family Development

## Child and Family Development (Cert) Certificate

| Certificate in Child and Family Development Requirements | Credit Hours |
|--|--------------|
| CFD 110 Health, Safety and Nutrition                     | 3            |
| CFD 155 Principles of Human Development                  | 3            |
| CFD 160 Principles of Development in Early Childhood     | 3            |
| CFD 261 Play as Development                              | 3            |

| Child and Family Development (Cert) | Credit Hours |
|-------------------------------------|--------------|
| <b>Total Hours Required</b>         | <b>12</b>    |

# Associate of Applied Science in Community Behavioral Health Support

## Community Behavioral Health Support (AAS)

### Associate of Applied Science

The Associate of Applied Science in Community Behavioral Health Support works to prepare students for employment in community based behavioral health facilities immediately upon graduation by providing both real world experience and specialized training. Through field and internship experiences and tailored instruction, graduates will be fully prepared to enter a career in this challenging field.

Through a partnership with the Missouri Department of Mental Health, there are many local and statewide job opportunities in this field. Students will complete the program at an accelerated pace and graduate in a year and a half through a mix of a seated and hybrid format classes.

## Associate of Applied Science in Community Behavioral Health Support

| Preadmission Semester - 14 hours                            | Credit Hours |
|---|--------------|
| BHS 200 Introduction to Behavioral Community Health Support | 2            |

|   |   |
|---|---|
| PSY 121 Introductory Psychology (if needed)   | 3 |
| ENG 110 Writing I   | 3 |
| CIS 101 Computers for Learning  | 3 |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3 |

| <b>Admitted Cohort Summer Semester - 6 hours</b>      | <b>Credit Hours</b> |
|---|---------------------|
| BHS 210 Legal and Ethical Issues in Behavioral Health | 3                   |
| BHS 220 Systems of Care in Behavioral Health Clients  | 3                   |

| <b>Fall Semester - 17 hours</b>                       | <b>Credit Hours</b> |
|---|---------------------|
| BHS 230 Substance Abuse Disorders                     | 3                   |
| BHS 240 Client Interactions I                         | 3                   |
| BHS 291 Field Practicum I                             | 2                   |
| CFD 155 Principles of Human Development               | 3                   |
| ENG 221 Writing II: Writing for the Professions       | 3                   |
| COM 205 Interpersonal Communication Theory and Skills | 3                   |

| <b>Spring Semester - 17 hours</b>                    | <b>Credit Hours</b> |
|--|---------------------|
| BHS 250 Chronic Health Care Issues                   | 3                   |
| BHS 260 Family and Youth Issues                      | 3                   |
| BHS 270 Client Interactions II                       | 3                   |
| BHS 292 Field Practicum II                           | 3                   |
| MTH 100 (or higher) Intermediate Applied Mathematics | 2                   |
| PSY 274 Abnormal Psychology                          | 3                   |

| <b>Summer Semester - 7 hours</b>  | <b>Credit Hours</b> |
|-----------------------------------|---------------------|
| BHS 280 Evidence Based Treatments | 4                   |

|                             |   |
|-----------------------------|---|
| BHS 293 Field Practicum III | 3 |
|-----------------------------|---|

|   |
|---|
| 3 |
|---|

| Community Behavioral Health Support (AAS) Degree | Credit Hours |
|--|--------------|
|--|--------------|

| Credit Hours |
|--------------|
|--------------|

|                             |           |
|-----------------------------|-----------|
| <b>Total Hours Required</b> | <b>61</b> |
|-----------------------------|-----------|

|           |
|-----------|
| <b>61</b> |
|-----------|



# Associate of Arts in Criminology

## Criminology (AA)

### Associate of Arts

The Associate of Arts in Criminology is a transfer degree and contains the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and criminology courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| Written Communications  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| <b>Writing II:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| Oral Communications   | Credit Hours |
| COM 115 Fundamentals of Public Speaking   | 3            |
| Mathematical Sciences   | Credit Hours |

|   |                     |
|---|---------------------|
| MTH 130 Contemporary Math or higher (Except MTH 197 and MTH 297)  | 3                   |
| <b>Natural Sciences</b>   | <b>Credit Hours</b> |
| Select a minimum of seven (7) credit hours of natural science courses, including at least one course with lab component, from the list of approved <a href="#">Natural Sciences Core 42 courses</a> . | 7                   |
| <b>Social and Behavioral Science</b>  | <b>Credit Hours</b> |
| CRM 210 American Criminal Justice System  | 3                   |
| PLS 101 American Democracy and Citizenship  | 3                   |
| Select three (3) credit hours from the list of approved <a href="#">Social and Behavioral Science Core 42 courses</a> .   | 3                   |
| <b>Humanities and Fine Art</b>  | <b>Credit Hours</b> |
| Select nine (9) credit hours, in at least 2 disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> .   | 9                   |
| <b>Additional General Education</b>   | <b>Credit Hours</b> |
| Select six (6) credit hours, from the list of approved <a href="#">Core 42 courses</a> .  | 6                   |
| <b>Institutional Requirements</b>   | <b>Credit Hours</b> |
| CIS 101 Computers for Learning  | 3                   |
| IDS 110 Student Success   | 2                   |
| <b>Criminology Requirements</b>   | <b>Credit Hours</b> |
| CRM 220 Criminology   | 3                   |
| CRM 250 Police in American Society  | 3                   |
| CRM 260 Criminal Law and the Courts   | 3                   |
| CRM 270 Institutional and Community-Based Corrections   | 3                   |
| <b>Criminology (AA) Degree</b>  | <b>Credit Hours</b> |
| <b>Total Hours Required</b>   | <b>60</b>           |

# Criminology Certificate

## Criminology (Cert) Certificate

| <b>Criminology Certification Requirements</b>                | <b>Credit Hours</b> |
|--|---------------------|
| CRM 210 Introduction to the American Criminal Justice System | 3                   |
| CRM 220 Criminology  | 3                   |
| CRM 250 Police in American Society                           | 3                   |
| CRM 260 Criminal Law and the Courts                          | 3                   |
| CRM 270 Institutional and Community Based Correction         | 3                   |
| CIS 101 Computers for Learning                               | 3                   |
| COM 115 Fundamentals of Public Speaking                      | 3                   |
| PSY 121 Introductory Psychology                              | 3                   |

| <b>Criminology (Cert)</b>   | <b>Credit Hours</b> |
|-----------------------------|---------------------|
| <b>Total Hours Required</b> | <b>24</b>           |

# Associate of Applied Science in Enology

## Enology (AAS)

### Associate of Applied Science

The Associate of Applied Science in Enology is designed to prepare students for a career in wine making. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| General Education Requirements   | Credit Hours |
|--|--------------|
| BIO 101 Biological Concepts  | 3            |
| BIO 111 Understanding Biological Systems Through Inquiry   | 1            |
| BIO 210 Elements of Microbiology   | 3            |
| CIS 101 Computers for Learning   | 3            |
| ENG 110 Writing I  | 3            |
| IDS 110 Student Success  | 2            |
| MTH 100 Intermediate Applied Algebra or higher (Except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization) | 3            |

|   |           |
|---|-----------|
| <b>Physics:</b> Select three (3) credit hours   |           |
| <ul style="list-style-type: none"> <li>• PHY 100 Survey of Physics with Laboratory <b>OR</b></li> <li>• VIN 106 Physics for the Wine Industry</li> </ul>  | 3         |
| <b>Civics:</b> Select three (3) credit hours  |           |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3         |
| <b>Communications / Writing II:</b> Select six (6) credit hours   |           |
| <ul style="list-style-type: none"> <li>• COM 115 Fundamentals of Public Speaking</li> <li>• ENG 221 Writing II: Writing for the Professions</li> <li>• MGT 286 Business Communications</li> </ul>           | 6         |
| <b>General Education Total</b>  | <b>30</b> |

| <b>Enology Requirements</b>   | <b>Credit Hours</b> |
|---|---------------------|
| VIN 110 Introduction to Wine Microorganisms   | 3                   |
| VIN 146 Introduction to Enology   | 3                   |
| VIN 148 Winery Sanitation   | 3                   |
| VIN 160 Winery Equipment Operation  | 2                   |
| VIN 246 Intermediate Enology - Harvest/Crush  | 2                   |
| VIN 247 Intermediate Enology - Post Harvest   | 2                   |
| VIN 257 Fall Wine Production Internship   | 3                   |
| VIN 259 Cellar Operations Technology  | 2                   |
| VIN 266 Sensory Evaluation  | 3                   |
| VIN 268 Wine and Must Analysis  | 3                   |
| <b>Chemistry:</b> Select VIN 105; or CHM 116 <b>and</b> CHM 117   |                     |
| <ul style="list-style-type: none"> <li>• VIN 105 Molecular Principles of Grape and Wine <b>OR</b></li> <li>• CHM 116 Fundamentals of Chemistry <b>AND</b></li> <li>• CHM 117 Fundamentals of Chemistry Lab</li> </ul> | 4                   |
| <b>VIN Elective:</b> Select a minimum of two (2) credit hours   |                     |
| <ul style="list-style-type: none"> <li>• VIN 111 Introduction to Viticulture and Vineyard <b>OR</b></li> <li>• VIN 211 Integrated Pest Management <b>OR</b></li> <li>• VIN 293 Soils for Viticulture</li> </ul>       | 2                   |

|                             |                     |
|-----------------------------|---------------------|
| <b>Enology Total</b>        | <b>32</b>           |
| <b>Enology (AAS) Degree</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>62</b>           |

# Certificate in Enology

## Enology (Cert)

### Certificate

The Certificate in Enology provides practical knowledge and skills in the field enology or wine making. The certificate is offered through the Viticulture Enology Science and Technology Alliance (VESTA), a national grape and wine education program that combines the flexibility of online instruction, instructor guided industry professionals and hands on winery experience. While the Certificate in Enology may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the AAS in Enology.

| Enology Certification Requirements              | Credit Hours |
|---|--------------|
| VIN 105* Molecular Principles of Grape and Wine | 4            |
| VIN 110 Introduction to Wine Microorganisms     | 3            |
| VIN 146 Introduction to Enology                 | 3            |
| VIN 148 Winery Sanitation                       | 3            |
| VIN 160 Winery Equipment Operation              | 2            |
| VIN 246 Intermediate Enology - Harvest/Crush    | 2            |
| VIN 247 Intermediate Enology - Post Harvest     | 2            |
| VIN 257 Fall Wine Production Internship         | 3            |

|   |   |
|---|---|
| VIN 259 Cellar Operations Technology  | 2 |
| VIN 266 Sensory Evaluation  | 3 |
| VIN 268 Wine and Must Analysis  | 3 |
| Viticulture Elective: <ul style="list-style-type: none"> <li>• VIN 111 Introduction to Viticulture and Vineyard</li> <li>• VIN 211 Integrated Pest Management</li> <li>• VIN 293 Soils for Viticulture</li> </ul> | 3 |

|                             |                     |
|-----------------------------|---------------------|
| <b>Enology (Cert)</b>       | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>33</b>           |

**\*\* Note: CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab may be substituted for VIN 105.**



# Associate of Arts in General Studies

## General Studies (AA)

### Associate of Arts

The required general education courses for the Associate of Arts in General Studies are listed as follows:

| Institutional Requirements  | Credit Hours |
|---|--------------|
| IDS 110 Student Success   | 2            |
| CIS 101 Computers for Learning  | 3            |
| IDS 297 Topics in Globalization   | 2-3          |
| <b>Total Hours for Institutional Requirements</b>   | <b>7-8</b>   |
| Core 42 Requirements  | Credit Hours |
| <b>Written Communications</b>   | <b>6</b>     |
| ENG 110 Writing I   | 3            |
| <ul style="list-style-type: none"> <li>• ENG 210 Writing II: Academic Writing <b>OR</b></li> <li>• ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |
| <b>Oral Communications</b>  | <b>3</b>     |

|   |          |
|---|----------|
| COM 115 Fundamentals of Public Speaking   | 3        |
| <b>Mathematical Sciences</b>  | <b>3</b> |
| <ul style="list-style-type: none"> <li>• MTH 130 Contemporary Mathematics <b>OR</b></li> <li>• MTH 136 Pre-Calculus I: Algebra <b>OR</b></li> <li>• Completion of a course that uses MTH 130 or MTH 136 as a prerequisite</li> </ul>  | 3        |
| <b>Civics</b>   | <b>6</b> |
| PLS 101 American Democracy and Citizenship  | 3        |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877</li> </ul>   | 3        |
| <b>Social/Behavioral Science</b> - Choose any course from below:  | <b>3</b> |
| <ul style="list-style-type: none"> <li>• ANT 125 Exploring Our Human Ancestry</li> <li>• ANT 226 Cultural Anthropology</li> <li>• CFD 155 Principles of Human Development</li> <li>• ECO 101 Economics of Social Issues</li> <li>• ECO 155 Principles of Macroeconomics</li> <li>• ECO 165 Principles of Microeconomics</li> <li>• GRY 100 World Regional Geography</li> <li>• HST 103 World History to 1600 C.E.</li> <li>• HST 104 World History Since 1600 C.E.</li> <li>• PLS 205 Countries and Culture: Comparative Government*</li> <li>• PLS 232 International Relations*</li> <li>• PSY 121 Introductory Psychology</li> <li>• SOC 150 Principles of Sociology</li> </ul> |          |
| <b>Humanities/Fine Arts</b> - Choose three courses from at least two disciplines.   | <b>9</b> |
| <ul style="list-style-type: none"> <li>• ART 115 Drawing I</li> <li>• ART 200 Art in Context</li> <li>• ENG 236 Minorities in Literature</li> <li>• MUS 239 Introduction to World Music</li> <li>• MUS 241 The Language of Music</li> <li>• PHI 110 Introduction to Philosophy</li> <li>• PHI 115 Introduction to Ethics</li> <li>• REL 100 Religion and Human Culture</li> <li>• SPN 101 Elementary Spanish I</li> <li>• SPN 102 Elementary Spanish II</li> <li>• THE 101 Introduction to Theatre and Drama Arts</li> </ul>  |          |
| <b>Natural Science</b> - Students must choose one life science course and one physical science course and one lab component. (Courses with † have a lab component.)   | <b>7</b> |
| <b>Life Sciences</b> <ul style="list-style-type: none"> <li>• BIO 100<sup>†</sup> Biological Science for Educators</li> <li>• BIO 101 Biological Concepts</li> <li>• BIO 111<sup>†</sup> Understanding Biological Systems Through Inquiry (lab)</li> <li>• BIO 121<sup>†</sup> General Biology I</li> <li>• BMS 110<sup>†</sup> Introduction to the Biomedical Sciences</li> </ul>  |          |

†

ENV 105 Environmental Science

**Physical Sciences**

- CHM 116 Fundamentals of Chemistry
- CHM 117<sup>±</sup> Fundamentals of Chemistry Lab
- CHM 160 General Chemistry I
- CHM 161<sup>±</sup> General Chemistry I Laboratory
- GLG 110<sup>±</sup> Principles of Geology
- GRY 142<sup>±</sup> Introductory Physical Geography
- PHY 100<sup>±</sup> Survey of Physics with Laboratory
- PHY 101<sup>±</sup> Physics by Inquiry for Educators
- PHY 102 Survey of Physics
- PHY 123<sup>±</sup> Introduction to Physics I
- PHY 203<sup>±</sup> Foundations of Physics I

**Total CORE 42 Requirements**

**42**

Students should [choose additional hours to reach 42, CORE 42 hours.](#)

**Electives**

Students should complete additional courses to total a minimum of 60 total credit hours.

**General Studies (AA) Degree**

**Credit Hours**

**Total Hours Required**

**60**

# Degree Checklist

## General Studies

Associate of Arts

### Foundations

The **Foundations** block constitutes preparatory courses necessary for completing a college education and should therefore be completed as soon as possible. (A **Foundations** class may be waived by examination or department approval; see specific degree requirements for exceptions.)

| Course  | Credit Hours | Completed                | In Progress              | Needed                   |
|---|--------------|--------------------------|--------------------------|--------------------------|
| <a href="#">COM 115</a>   | 3            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <a href="#">ENG 110</a>   | 3            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> <li>• <a href="#">ENG 210</a></li> <li>• <a href="#">ENG 221</a></li> </ul>  | 3            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <a href="#">IDS 110</a>   | 2            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <ul style="list-style-type: none"> <li>• <a href="#">MTH 130</a></li> <li>• <a href="#">MTH 136</a></li> <li>• <a href="#">MTH 137</a></li> <li>• <a href="#">MTH 138</a></li> <li>• <a href="#">MTH 261</a></li> </ul> | 3-5          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

# Natural World

Choose at least one course from each section, one course must include a lab component.

| Course   | Credit Hours | Completed | In Progress | Needed |
|--|--------------|-----------|-------------|--------|
| <b>Life Sciences (3-4 credit-hours)</b>  |              |           |             |        |
| <ul style="list-style-type: none"> <li>• BIO 100 †<sup>^</sup></li> <li>• BIO 101</li> <li>• BIO 111 (lab only)</li> <li>• BIO 121 †</li> <li>• BMS 110</li> <li>• BMS 111 (lab only)</li> <li>• ENV 105 †</li> <li>• GLG 115 †</li> </ul>   | 3-4          |           |             |        |
| <b>Physical Sciences (3-5 credit hours)</b>  |              |           |             |        |
| <ul style="list-style-type: none"> <li>• AST 113</li> <li>• AST 114</li> <li>• AST 115 †</li> <li>• CHM 116</li> <li>• CHM 117 (lab only)</li> <li>• CHM 160</li> <li>• CHM 161 †</li> <li>• GLG 110 †</li> <li>• GLG 171</li> <li>• GRY 135 †</li> <li>• GRY 142 †</li> <li>• PHY 100 †</li> <li>• PHY 101 †</li> <li>• PHY 102</li> <li>• PHY 123 †</li> </ul> | 3-5          |           |             |        |

<sup>^</sup> Elementary education or child and family development students only.

† lab component included.

# Human Culture

| Course  | Credit Hours | Completed | In Progress | Needed |
|---|--------------|-----------|-------------|--------|
| <b>Social and Behavioral Sciences (6 credit-hours)</b>  |              |           |             |        |
| <ul style="list-style-type: none"> <li>• AGR 100</li> <li>• AGR 144</li> <li>• ANT 125</li> <li>• CFD 155</li> <li>• CFD 163</li> <li>• ECO 155</li> <li>• ECO 165</li> </ul> | 3            |           |             |        |
|   | 3            |           |             |        |

- GRY 108
- MED 120
- PSY 121
- REL 131
- SOC 150

### Humanities (3 credit-hours)

- ENG 230
- ENG 231
- ENG 235
- ENG 236
- ENG 280
- ENG 283
- ENG 285
- ENG 288
- ENG 289
- HST 103
- HST 104
- LLT 121
- LLT 180
- LLT 197
- LLT 201
- LLT 202
- LLT 215
- MED 274
- MUS 241
- PHI 110
- REL 101
- REL 102
- Any 3-hour foreign language course

3

### The Arts (3 credit-hours)

- ART 200
- ENG 203
- ENG 205
- ENG 215
- MUS 239
- THE 101

3

## Public Affairs

| Course   | Credit Hours | Completed | In Progress | Needed |
|--|--------------|-----------|-------------|--------|
| <b>US and MO Constitutions/American History (6 credit-hours)</b>               |              |           |             |        |
| PLS 101  | 3            |           |             |        |
| <ul style="list-style-type: none"> <li>• HST 121</li> <li>• HST 122</li> </ul> | 3            |           |             |        |

### Cultural Competence (3 credit-hours)



# **Degree Total Credit-Hours: At least 62 hrs.**

Courses taken under the pass/not pass option cannot be used to satisfy general education, professional education or specific degree requirements except as noted in the pass/not pass policy.



# Certificate in Ozarks Studies

## Ozarks Studies (Cert)

### Certificate

*\*Not eligible for financial aid*

| Ozarks Studies Core Requirements  | Credit Hours |
|---|--------------|
| ENG 232 Ozarks Writers  | 3            |
| SOC 275 Sociology of Rural Life   | 3            |
| <p><b>Electives:</b><br/>An additional 6 hours are required to complete the Certificate in Ozarks Studies. Students may select from any of the following as long as the selected topic is the Ozarks. Students should note course credit varies from 1 to 3 hours and courses may be taken during regular semesters or during intersession.</p> <ul style="list-style-type: none"> <li>• AGR 199 Agriculture in the Ozarks</li> <li>• ANT 197 Selected Topics in Anthropology</li> <li>• ART 098 Topics in Art and Design</li> <li>• BIO 197 Selected Topics in Biology</li> <li>• ENG 285 Subjects in Folklore</li> <li>• GLG 197 Popular Topics in Geology</li> <li>• GRY 197 Selected Topics in Geography</li> <li>• HST 197 Selected Topics in History</li> <li>• LLT 197 Selected Topics in Language and Literature</li> <li>• MED 197 Selected Topics in Media</li> <li>• MUS 197 Selected Topics in Music</li> <li>• OZK 150 Introduction to Ozarks Studies</li> </ul> | 6            |

- REL 197 Topics in Religious Studies
- THE 197 Selected Topics in Theatre

**Ozarks Studies (Cert)**

**Credit Hours**

**Total Hours Required**

**12**

# William and Virginia Darr Honors Program

## Specialization in Honors

Associate of Arts

### Mission:

The William and Virginia Darr Honors Program at Missouri State University-West Plains seeks to create a collegial environment that nurtures and empowers students of high academic and/or artistic potential to become educated persons.

### Goals:

1. Recruit students of high academic and/or creative ability.
2. Motivate students to:
  - a. Academically challenge themselves and their classmates
  - b. Formulate a greater, wider and deeper understanding of their existence and of their abilities
  - c. Influence the world during and through that existence
  - d. Explore new subjects and experience the world and its ideas in search of truth
3. Assist students in developing their various academic and vocational interests.
4. Provide for student-to-student, student-to-faculty and student-to-community interaction for the expressed purpose of building a community where learning can be enhanced and transmitted.
5. Honor students of high academic ability and purpose as evidenced by their completion of the program and their degree at Missouri State University-West Plains.

# Objectives:

1. Identify students who possess
  - a. A seriousness of academic purpose
  - b. A desire to be active, rather than passive, learners
  - c. An intellectual curiosity that supersedes an obsession with grades
  - d. A demonstrated potential for critical thinking and excellence in oral and written expression
2. Communicate the mission, goals and objectives of the Honors Program to potential and current students, the Missouri State University-West Plains campus community and the service area.
3. Offer a unique and innovative curriculum of small courses, offering stimulation, challenge, multidisciplinary perspectives and constant interaction with peers of comparable abilities and outstanding instructors who are willing to learn with their students.
4. Provide special options, opportunities and financial incentives that enhance the undergraduate experience at a two-year higher education institution.
5. Aid students in the development of, the understanding of and the appreciation for higher education.
6. Encourage and/or enhance a positive learning attitude across the campus.
7. Help clarify students' capabilities and limitations as well as personal values, goals and needs.
8. Develop an atmosphere open to diversity in learning, thought, culture and race.
9. Provide personal attention to each student, including offering information and counseling as each student develops a personal academic and career plan.
10. Coordinate efforts among faculty, staff and community members so students can develop a network of colleagues (classmates, instructors and community members) for personal support, intellectual interaction and continuing growth.
11. Encourage the creation and presentation of special projects for a public arena that enhances the student's academic program and intellectual and/or artistic development.
12. Establish articulation agreements with area colleges and universities to which Honors Program students are likely to transfer.
13. Submit all program changes and additions through the faculty governance system established by the Missouri State University-West Plains Faculty Senate.
14. Assess annually the effectiveness of the total program in meeting its mission and goals.

## Enrolling in the Darr Honors Program

Admission into the Darr Honors Program is based upon successful completion (a grade of 'B' or higher) of HNR 150, Honors I Seminar (or with permission, HNR 250 Honors II Seminar). To be eligible to enroll in the HNR 150 course, the student must meet one of the following criteria:

### For First-Time Freshmen

Any first-time freshman student who has an ACT composite of 25 or above may enroll in HNR 150 during the first semester at Missouri State University-West Plains. Registration for HNR 150 can be completed at any regularly scheduled STAR orientation. First-time

freshmen who have a composite ACT score of 23 or 24 must have an ACT reading score of 28 or above and be eligible to enroll in ENG 110 and

1. Complete a personal interview with the director of the honors program and
2. Receive approval to enroll in HNR 150 (or HNR 250 under special circumstances) by the director of the honors program.

## **For Currently Enrolled**

Any currently enrolled student at Missouri State University-West Plains who has a 3.5 or higher cumulative GPA after completing at least 12 credit hours at Missouri State University-West Plains (dual-credit courses cannot be a part of the 12 credit hour total) and has completed or is eligible for ENG 110 may enroll in HNR 150 upon

1. The recommendation of a full-time faculty member at Missouri State University-West Plains
2. The completion of a personal interview with the director of the honors program.

## **Continuing in the Program:**

After successfully completing the HNR 150 course (or HNR 250, if taking it as the entry course) with a grade of 'B' or higher, the student may enroll in any HNR course or an approved section of a course with an Honors Component (see the listing of Honors Component Courses in this program description). (The one exception to this stipulation concerns students who are concurrently enrolled in HNR 150 and MTH 261, through which the student may earn honors credit for each of the courses but only if the student successfully completes the HNR 150 or HNR 250 course during that semester.)

Continuance in the honors program is contingent upon the student's success in the HNR core courses (HNR 150, 250 and HNR 297) and upon his or her academic standing in all coursework. An honors program student is subject to scholastic probation and suspension even though he/she may have successfully completed the HNR core courses. If a student is placed on probation or is suspended, he/she must first satisfy the requirements of the probation or suspension before he/she can take another HNR course or a course with an honors component.

## **Completing the Specialization in Honors**

A student may earn the Specialization in Honors while completing any of the degree programs at Missouri State University-West Plains. In the case of the Associate of Arts Degree in General Studies or the Associate of Arts Degree in Teaching, the student may use his or her elective hours to complete the requirements of the Specialization in Honors. For those pursuing the Associate of Science Degree in Nursing (ASN) or any of the Associate of Applied Science (AAS) degrees, it will be necessary to complete the required number of credit hours in honors in addition to the total number of credit hours required by the ASN degree or the desired AAS degree. Students are encouraged to consult with their advisor carefully to coordinate the scheduling of courses in order to seek both their desired degree and the Specialization in Honors.

To complete the Specialization in Honors, the student must complete the following requirements in addition to the requirements of the desired degree:

1. Earn a grade of 'A' or 'B' in the following:
  - a. 8 hours of these required Honors Core Courses:
    - i. HNR 150 Honors I Seminar: 3 hours
    - ii. HNR 250 Honors II Seminar: 3 hours
    - iii. HNR 297 Honors Capstone: 2 hours
  - b. At least 9 hours in courses with an approved Honors Component (See Honors Component Courses)
2. Public affairs requirement: By the end of their degree program, students must complete at least 32 hours of volunteer service approved by the honors program director
3. Satisfactorily participate in one of the following requirements to satisfy the Darr Honors Program's Bridging Cultures Experience:
  - a. Serve as a one-semester intern while studying at the Missouri State University-West Plains campus at Dalian, China;
  - b. Enroll in and complete all requirements associated with a university-sponsored travel abroad course, such as:
    - i. The annual Honors Abroad study tour
    - ii. Any University sponsored abroad trips or
    - iii. With approval of the honors program director, abroad trips not sponsored by the University
  - c. Enroll in and complete an Honors Service Learning companion course, completing at least 32 hours of service to approved non-profit organization.
4. Have at the end of his or her degree program, an overall grade point average of 3.5 or higher in all coursework.

*All other University policies apply.*

## **Graduation:**

The student who completes the requirements for an associate degree and who completes the requirements of the Specialization in Honors will receive his or her diploma and a certificate of completion from the William and Virginia Darr Honors Program, and entrance into the Order of the Pen and Compass Society. In addition, honors program graduates participating in commencement ceremonies will wear the black velvet Tam O'Shanter (hat), signifying that the student is an honors program graduate. The commencement program will also note the names of those graduates who complete the honors program.

Students who have completed or who are on track to complete the coursework required of the Specialization in Honors and their associate degree program but who fall short of the 3.5 GPA minimum requirement of the Specialization in Honors may, with approval by the director of the honors program and/or the Honors Program Leadership Committee, participate in graduation ceremonies and be noted as a member of the Darr Honors Program in the commencement program and be permitted to wear the Tam O'Shanter. However, such students will not be awarded the Specialization in Honors designation on their transcript, receive a certificate of completion of the Specialization in Honors, or receive entrance into the Order of the Pen and Compass Society.

Graduates of the Darr Honors Program must first have confirmation by the registration and records office that they have met all requirements of their degree program and of the Specialization in Honors before officially receiving their diploma and the Specialization in Honors certificate of completion.

# Honors Component Courses:

The following courses may be utilized by the honors program student toward satisfying the Specialization in Honors requirement for six credit hours of honors component coursework; however, only course sections taught by full-time faculty members and approved by the Darr Honors Program Leadership Committee carry honors component credit. Students must first complete a Request to Complete an Honors Component Course form – which includes obtaining permission from an eligible faculty member and the director of the honors program – before being eligible to receive honors credit for the course. (Check each semester's course schedule for availability)

- AGR 100 Food Security/TEC 105 Technology's Impact on Society
- BIO 101 Biology in Your World and BIO 111 Understanding Biological Systems through Inquiry
- CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab
- CHM 160 General Chemistry I
- COM 115 Fundamentals of Public Speaking
- ENG 210 Writing II: Academic Writing (Honors credit not given for both ENG 210 & ENG 221)
- ENG 221 Writing II: Writing for the Professions (Honors credit not given for both ENG 210 & ENG 221)
- ENG 288 Literature of Work: Readings in the Professions
- HNR 292 Directed Study in Honors
- HNR 297 Honors Capstone
- HST 103 World History to 1600 C.E.
- HST 104 World History Since 1600 C.E.
- HST 121 Survey of the United States to 1877
- HST 122 Survey of the United States Since 1877
- MTH 261 Analytic Geometry and Calculus I
- PHI 110 Introduction to Philosophy
- PLS 101 American Democracy and Citizenship
- PSY 121 Introductory Psychology
- SOC 150 Principles of Sociology
- THE 109 Performance Studies

# Associate of Applied Science in Health Information Technology

## Health Information Technology (AAS)

### Associate of Applied Science

The AAS in Health Information Technology is designed as a program for students interested in the field of health care information systems; health information privacy and security; compliance with medical reimbursement laws and regulations; management of health information. Pathways for certification may be completed through the AAPC at this time.

| Foundational Courses  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| MTH 100 Intermediate Applied Mathematics or higher<br>(except MTH 197 Introductory Topics in Mathematics of MTH 297 Mathematic Topics in Globalization) | 3            |
| PSY 121 Introductory Psychology   | 3            |
| <b>Civics:</b> Select three (3) credit hours  |              |



- HST 121 Survey of US History to 1877 **OR**
- HST 122 US History Since 1877 **OR**
- PLS 101 American Democracy and Citizenship

3

**Total Foundational Course Hours****12**

The Foundations block constitutes preparatory courses necessary for completing a college education and should therefore be completed as soon as possible.

**Computer Information Systems****Credit Hours**

CIS 101 Computers for Learning

3

CIS 201 Computer Applications in Business

3

**Total Computer Information System Hours****6****Health Information Technology****Credit Hours**

ALH 116 Medical Terminology

3

HIT 100 Introduction to Health Information Technology

3

HIT 110 Diagnosis Coding I

3

HIT 140 Pathopharmacology for Health Information Technology

3

HIT 150 Outpatient Procedure Coding

3

HIT 170 Electronic Health Records

3

HIT 180 Anatomy and Physiology for Health Information Technology

3

HIT 190 Principals of Healthcare Reimbursement

3

HIT 200 Comparative Health Records Systems

3

HIT 201 Healthcare Quality Management

3

HIT 210 Diagnostic Coding II

3

HIT 230 Records Management

3

HIT 250 Inpatient Procedure Coding

3

HIT 260 Legal and Ethical Aspects of Healthcare

3

HIT 297 Professional Practice Experience in Health Information Technology

3

**Total Health Information Technology Hours****45**

|   |                     |
|---|---------------------|
| <b>Health Information Technology (AAS) Degree</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>                       | <b>63</b>           |

Courses taken under the pass/not pass option cannot be used to satisfy general education, professional education or specific degree requirements except as noted in the pass/not pass policy.

# Certificate in Health Information Technology - Electronic Health Records Specialist

## Electronic Health Records Specialist (Cert) Certificate

This certificate of achievement is designed as a program for student's interests in the field of health care information systems, health information privacy and security, compliancy with payment laws and regulations, hospital medical office, doctor's office and the management of health information. The students completing the certificate will be trained as a medical administrative assistant. Your certificate exhibits commitment to your profession and personal growth.

| Health Information Technology                         | Credit Hours |
|---|--------------|
| ALH 116 Medical Terminology                           | 3            |
| HIT 100 Introduction to Health Information Technology | 3            |
| HIT 170 Electronic Health Records                     | 3            |
| HIT 230 Records Management                            | 3            |
| HIT 260 Legal and Ethical Aspects of Healthcare       | 3            |

|   |   |
|---|---|
| HIT 297 Professional Practice Experience in Health Information Technology | 3 |
|---|---|

| <b>Certificate Totals</b>   | <b>Credit Hours</b> |
|-----------------------------|---------------------|
| <b>Total Hours Required</b> | <b>18</b>           |

All courses approved by the Curriculum Committee are done so on a provisional basis. There will be a review of the course/program during the first year it is the course catalog to see if it meets the expectations of the division and curriculum committee.

# Certificate in Health Information Technology-Medical Administrative Office Assistant

## Health Information Technology-Medical Administrative Office Assistant Certificate

This certificate of achievement is designed as a program for student's interests in the field of health care information systems, health information privacy and security, compliancy with payment laws and regulations, hospital medical office, doctor's office and the management of health information. The students completing the certificate will be trained as a medical administrative assistant. Your certificate exhibits commitment to your profession and personal growth.

| <b>Computer Information Core</b> | <b>Credit Hours</b> |
|----------------------------------|---------------------|
| CIS 101 Computers for Learning   | 3                   |
| <b>Total Credit Hours</b>        | <b>3</b>            |

| <b>Health Information Technology Core</b> | <b>Credit Hours</b> |
|---|---------------------|
|---|---------------------|

|   |           |
|---|-----------|
| ALH 116 Medical Terminology   | 3         |
| HIT 100 Introduction to Health Information Technology                     | 3         |
| HIT 170 Electronic Health Records   | 3         |
| HIT 190 Principles of Healthcare Reimbursement                            | 3         |
| HIT 260 Legal and Ethical Aspects of Healthcare                           | 3         |
| HIT 297 Professional Practice Experience in Health Information Technology | 3         |
| <b>Total Credit Hours</b>   | <b>18</b> |

| <b>Certificate Totals</b>   | <b>Credit Hours</b> |
|-----------------------------|---------------------|
| <b>Total Hours Required</b> | <b>21</b>           |

All courses approved by the Curriculum Committee are done so on a provisional basis. There will be a review of the course/program during the first year it is in the course catalog to see if it meets the expectations of the division and curriculum committee.

# Certificate in Health Information Technology-Medical/Clinical Assistant

## Health Information Technology-Medical/Clinical Assistant (Cert)

This certificate of achievement is designed as a program for student's interests in the field of health care information systems, health information privacy and security, compliancy with payment laws and regulations, hospital medical office, doctor's office and the management of health information. The students completing the certificate will be trained as a medical assistant. Your certificate exhibits commitment to your profession and personal growth.

| <b>Health Information Technology Requirements</b>                | <b>Credit Hours</b> |
|--|---------------------|
| ALH 116 Medical Terminology                                      | 3                   |
| HIT 140 Pathopharmacology for Health Information Technology      | 3                   |
| HIT 170 Electronic Health Records                                | 3                   |
| HIT 180 Anatomy and Physiology for Health Information Technology | 3                   |
| HIT 270 Medical Assistant Office Procedures                      | 3                   |
| HIT 280 Medical Assistant Clinical Procedures                    | 3                   |

|   |   |
|---|---|
| HIT 290 Medical Assistant Laboratory Procedures | 3 |
| HIT 299 Medical Assistant Practicum             | 3 |

|                             |                     |
|-----------------------------|---------------------|
| <b>Certificate Totals</b>   | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>24</b>           |

All courses approved by the Curriculum Committee are done so on a provisional basis. There will be a review of the course/program during the first year it is in the course catalog to see if it meets the expectations of the division and curriculum committee.



# Certificate in Health Information Technology-Medical Coding

## Medical Coding (Cert)

### Certificate

This certificate of achievement is designed as a program for students' interests in the field of health care information systems, health care information systems, health information privacy and security, compliancy with payment laws and regulations and the management of health information. The students completing the certificate will be trained as a medical coder.

| General Education Core  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| MTH 100 Intermediate Applied Mathematics or higher<br>(Except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization) | 3            |
| <b>Total General Education Core Hours:</b>  | <b>6</b>     |

| Computer Information Core      | Credit Hours |
|--------------------------------|--------------|
| CIS 101 Computers for Learning | 3            |

|   |          |
|---|----------|
| CIS 201 Computer Applications in Business     | 3        |
| <b>Total Computer Information Core Hours:</b> | <b>6</b> |

| <b>Health Information Technology Core</b>                                 | <b>Credit Hours</b> |
|---|---------------------|
| ALH 116 Medical Terminology   | 3                   |
| HIT 100 Introduction to Health Information Technology                     | 3                   |
| HIT 110 Diagnosis Coding I  | 3                   |
| HIT 140 Pathopharmacology for Health Information Technology               | 3                   |
| HIT 150 Outpatient Procedure Coding                                       | 3                   |
| HIT 170 Electronic Health Records   | 3                   |
| HIT 180 Anatomy and Physiology for Health Information Technology          | 3                   |
| HIT 190 Principles of Healthcare Reimbursement                            | 3                   |
| HIT 210 Diagnosis Coding II   | 3                   |
| HIT 250 Inpatient Procedure Coding  | 3                   |
| HIT 260 Legal & Ethical Aspects of Healthcare                             | 3                   |
| HIT 297 Professional Practice Experience in Health Information Technology | 3                   |
| <b>Total Credit Hours:</b>  | <b>36</b>           |

| <b>Certificate Totals</b>   | <b>Credit Hours</b> |
|-----------------------------|---------------------|
| <b>Total Hours Required</b> | <b>48</b>           |

All courses approved by the Curriculum Committee are done so on a provisional basis. There will be a review of the course/program during the first year it is the course catalog to see if it meets the expectations of the division and curriculum committee.

# Associate of Arts in Human Services

## Human Services (AA)

### Associate of Arts

The Associate of Arts in Human Services is a direct transfer degree to Missouri State University-Springfield's Bachelor's degree in Social Work, and contains the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and human services courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| Institutional Requirements     | Credit Hours |
|--------------------------------|--------------|
| IDS 110 Student Success        | 2            |
| CIS 101 Computers for Learning | 3            |

| CORE 42 Requirements<br>Written Communications   | Credit Hours |
|--|--------------|
| ENG 110 Writing I  | 3            |
| <ul style="list-style-type: none"> <li>ENG 210 Writing II: Academic Writing <b>OR</b>:</li> <li>ENG 221 Writing II: Writing for the Professions</li> </ul> | 3            |

| <b>Oral Communications</b>           | <b>Credit Hours</b> |
|--------------------------------------|---------------------|
| COM 115 Fundamentals Public Speaking | 3                   |

| <b>Mathematical Sciences</b>     | <b>Credit Hours</b> |
|----------------------------------|---------------------|
| MTH 130 Contemporary Mathematics | 3                   |

| <b>Civics</b>   | <b>Credit Hours</b> |
|---|---------------------|
| PLS 101 American Democracy and Citizenship  | 3                   |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 Survey of US History Since 1877</li> </ul> | 3                   |

| <b>Social/Behavioral Science</b> | <b>Credit Hours</b> |
|----------------------------------|---------------------|
| SOC 150 Principles of Sociology  | 3                   |
| PSY 121 Introductory Psychology  | 3                   |

| <b>Humanities/Fine Arts</b>    | <b>Credit Hours</b> |
|--------------------------------|---------------------|
| ART 200 Art in Context         | 3                   |
| PHI 115 Introduction to Ethics | 3                   |
| SPN 101 Elementary Spanish I   | 3                   |

| <b>Natural World Requirements</b>  |
|--|
| Students must choose one life science course and one physical science course and one lab component. (Courses with † have a lab component.) |

| <b>Life and Physical Sciences</b>                               | <b>Credit Hours</b> |
|---|---------------------|
| <b>Life Sciences</b>  |                     |
| BIO 101 Biological Concepts                                     |                     |
| BIO 111† Understanding Biological Systems Through Inquiry (lab) |                     |
| BIO 121† General Biology I                                      |                     |
| BMS 110† Introduction to the Biomedical Sciences                |                     |

|   |   |
|---|---|
| ENV 105† Environmental Science                                | 7 |
| <b>Physical Sciences</b><br>CHM 116 Fundamentals of Chemistry |   |
| CHM 117† Fundamentals of Chemistry Lab                        |   |
| CHM 160 General Chemistry I                                   |   |
| CHM 161† General Chemistry I Laboratory                       |   |
| GLG 110† Principles of Geology                                |   |

| Degree Requirements                        | Credit Hours |
|--|--------------|
| SWK 200 Introduction to Social Work        | 3            |
| SWK 213 Social Welfare Policy and Services | 3            |
| SWK 219 Human Diversity                    | 3            |
| PSY 200 Psychological Statistical Methods  | 3            |
| PSY 274 Abnormal Psychology                | 3            |

| Human Services (AA) Degree  | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>60</b>    |

# Associate of Applied Science in Law Enforcement

## Law Enforcement (AAS)

### Associate of Applied Science

| General Education Requirements  | Credit Hours |
|---|--------------|
| CIS 101 Computers for Learning  | 3            |
| COM 115 Fundamentals of Public Speaking   | 3            |
| ENG 110 Writing I   | 3            |
| IDS 110 Student Success   | 2            |
| PSY 121 Introductory Psychology   | 3            |
| PLS 101 American Democracy and Citizenship  | 3            |
| <b>Mathematical Sciences:</b> Select three (3) credit hours   |              |
| <ul style="list-style-type: none"><li>• MGT 130 Business Mathematics <b>OR</b></li><li>• MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization)</li></ul> | 3            |

|                                |           |
|--------------------------------|-----------|
| <b>General Education Total</b> | <b>20</b> |
|--------------------------------|-----------|

| <b>POST Law Enforcement Academy Training Requirements</b>  | <b>Credit Hours</b> |
|--|---------------------|
| The following courses must be completed in compliance with the Missouri Department of Public Safety Peace Officer Standards and Training (POST) Program. |                     |
| LWE 190 Basic Law Enforcement Academy I  | 9                   |
| LWE 191 Basic Law Enforcement Academy II   | 9                   |
| <b>Law Enforcement Academy Total</b>   | <b>18</b>           |

| <b>Law Enforcement Requirements</b>                | <b>Credit Hours</b> |
|--|---------------------|
| LWE 297 Law Enforcement Capstone (Capstone course) | 1                   |
| Select 21 credit hours from any CRM or LWE course. | 21                  |
| <b>Law Enforcement Core Total</b>                  | <b>22</b>           |

| <b>Law Enforcement (AAS) Degree</b> | <b>Credit Hours</b> |
|-------------------------------------|---------------------|
| <b>Total Hours Required</b>         | <b>60</b>           |

### **Degree Notes:**

- *Math requirements exclude MTH 197 and MTH 297.*
- *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
- *Electives must be approved by the department.*
- *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*
- *Credit for LWE 190 and LWE 191 is awarded to the student enrolled in the AAS in Law Enforcement degree program following the successful completion of these course in compliance with the Missouri Department of Public Safety Peace Officer Standards and Training (POST) program.*
- *Information about the 700-Hour Basic Peace Officer Academy may be found at <https://mosheriffs.com/academy/>*
- *Students may take general education courses prior to completing the academy coursework.*

(Pending CBHE Approval)

# Associate of Science in Nursing

## Nursing (AS)

### Associate of Science

The Associate of Science in Nursing (ASN) Degree Program is a 66 credit hour, selective admission program that consists of two academic years. Students who successfully complete the program may apply to the Missouri State Board of Nursing to determine eligibility to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Qualified Applicants to the ASN program may begin classes in August if ENG 110 Writing I, BMS 110 Introduction to the Biomedical Sciences, MTH 130 (or higher) placement, and PSY 121 Introductory Psychology have been completed. Applicants may begin the nursing program without PSY121 if permission is obtained from the Nursing Department prior to the start of nursing courses. The Nursing Department strongly urges students to complete any or all of the general education requirements (as indicated with an \*) of the ASN degree prior to the start of nursing courses.

## Associate of Science in Nursing Curriculum - Regular Track

| Year 1 - Semester 1             | Credit Hours |
|---------------------------------|--------------|
| NUR 100 Fundamentals of Nursing | 7            |
| BMS 267 Human Anatomy           | 4*           |



|   |    |
|---|----|
| BMS 268 Human Physiology                    | 4* |
| PSY 121 Introductory Psychology (if needed) | 3* |

| <b>Year 1 - Semester 2</b>                 | <b>Credit Hours</b> |
|--|---------------------|
| NUR 101 Adult Medical - Surgical Nursing I | 8                   |
| NUR 201 Mental Health Nursing              | 3                   |
| BIO 210 Elements of Microbiology           | 3*                  |

| <b>Year 2 - Semester 3</b>                  | <b>Credit Hours</b> |
|---|---------------------|
| NUR 204 Adult Medical - Surgical Nursing II | 9                   |
| NUR 202 Pharmacology                        | 3                   |

| <b>Year 2 - Semester 4</b>  | <b>Credit Hours</b> |
|---|---------------------|
| NUR 212 Nursing Care Across the Lifespan  | 9                   |
| NUR 220 Current trends and Issues in Nursing (capstone course)  | 3                   |
| <b>Civics:</b> Select three (3) credit hours  |                     |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3*                  |

| <b>Credit Breakdown (66 hours for the ASN)</b> | <b>Credit Hours</b> |
|--|---------------------|
| Prerequisite Courses                           | 10                  |
| General Education Courses                      | 14                  |
| Nursing Courses                                | 42                  |

| <b>Nursing (AS) Degree</b>  | <b>Credit Hours</b> |
|-----------------------------|---------------------|
| <b>Total Hours Required</b> | <b>66</b>           |

# Licensed Practical Nurse (LPN)-to-Registered Nurse (RN) Track

The LPN to RN Track of the Associate of Science in Nursing (ASN) Degree Program is a 65 credit hour, selective admission program that consists of one summer and one academic year. Students who successfully complete the program may apply to the Missouri State Board of Nursing to determine eligibility to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

The qualified LPN may begin classes in June if BMS 267 Human Anatomy, BMS 268 Human Physiology, MTH 130 (or higher) placement, PSY 121 Introductory Psychology have been completed. LPNs may begin the nursing program without PSY 121 if permission is obtained from the Nursing Department prior to the start of nursing courses. Qualified LPNs may receive 15 hours of Advanced Placement Credit for NUR 100 Fundamentals of Nursing and NUR 101 Adult Medical - Surgical Nursing I. Transfer credit for other coursework will be evaluated by the admissions office. The Nursing Department strongly urges students to complete any or all of the general education requirements of the ASN degree prior to the start of nursing courses. Curriculum pathways for both options are below:

The LPN-RN Track program curriculum is as follows (with general education requirements needed):

## Associate of Science in Nursing Curriculum - LPN-to-RN Track

| Semester 1                                   | Credit Hours |
|--|--------------|
| NUR 190 Transitions for the LPN-to-RN        | 3            |
| NUR 201 Mental Health Nursing                | 3            |
| PSY 121 Introductory Psychology (if needed). | 3            |

| Semester 2  | Credit Hours |
|---|--------------|
| ENG 110 Writing I   | 3            |
| NUR 202 Pharmacology  | 3            |
| NUR 204 Adult Medical - Surgical Nursing II   | 9            |
| <b>Civics:</b> Select three (3) credit hours  |              |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3*           |

| Semester 3                               | Credit Hours |
|--|--------------|
| BIO 210 Elements of Microbiology         | 3            |
| NUR 212 Nursing Care Across the Lifespan | 9            |

|  |   |
|--|---|
| NUR 220 Current Trends and Issues in Nursing (capstone course) | 3 |
|--|---|

Or the LPN-RN Track program curriculum is as follows (with general education requirements already completed):

## Associate of Science in Nursing Curriculum - LPN-to-RN Track

| Semester 1                            | Credit Hours |
|---------------------------------------|--------------|
| NUR 190 Transitions for the LPN-to-RN | 3            |
| NUR 201 Mental Health Nursing         | 3            |

| Semester 2                                  | Credit Hours |
|---|--------------|
| NUR 202 Pharmacology                        | 3            |
| NUR 204 Adult Medical - Surgical Nursing II | 9            |

| Semester 3   | Credit Hours |
|--|--------------|
| NUR 212 Nursing Care Across the Lifespan                       | 9            |
| NUR 220 Current Trends and Issues in Nursing (capstone course) | 3            |

| Credit Breakdown (65 hours for the ASN): | Credit Hours |
|--|--------------|
| Prerequisite Courses                     | 11           |
| General Education Courses                | 9            |
| Advanced Placement Nursing Credit        | 15           |
| Nursing Courses                          | 30           |
| <b>Degree Total:</b>                     | <b>65</b>    |

## Transfer Students

Students desiring to transfer into the Associate of Science in Nursing (ASN) degree program at Missouri State University-West Plains may be accepted into the program after successful application to the University and a decision by the Missouri State University-West Plains ASN Admissions Committee.

Students may enroll in required nursing courses only after admission to the ASN program.

- Enrollment is based on space available in class.
- Transfer students will be responsible for meeting objectives of prerequisites to the nursing courses in which they desire to enroll.
- Transfer students must complete at least 15 hours of the requirements for the Associate of Science in Nursing degree in residence on the West Plains campus or its extended campuses.

## Program Costs

Find out about nursing program costs at: <https://wp.missouristate.edu/nursing/costs.htm>.

## Accreditation

The Associate of Science in Nursing Program is fully approved by the Missouri State Board of Nursing, PO Box 656, Jefferson City, MO 65102-0656, Phone [\(573\) 751-0681](tel:5737510681), <http://pr.mo.gov/nursing.asp> and accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: [\(404\) 975-5000](tel:4049755000), <http://www.acenursing.org/>.

## State Board Examination for R.N. Licensure

Students who meet educational and other standards for application for a license to practice as a registered nurse (Sect.335.046.1 RSMo) may apply to take the NCLEX-RN examination for RN licensure (4CSR 20004.020 Missouri Code of State Regulations). There is a fee for the examination and license. Successful completion of the nursing program does not guarantee licensure. Applicants may be denied licensure in Missouri for one or any combination of causes stated in the Missouri Nursing Practice Act Sect. 335.066, 2 (1015) RSMo. A copy of the Missouri Nursing Practice Act Sect. 335.066, 2 (1015) RSMo is available upon request or may be found at the Missouri State Board of Nursing website: <http://pr.mo.gov/nursing.asp>.

## Application Requirements for the Nursing Program

All applicants will be considered competitively on an annual basis. To be considered for acceptance into the nursing program, your applicant file must contain all required documentation on **February 1**. Follow the three steps below to make sure your applicant file is complete before the **February 1** deadline.

1. **Office of Admissions - Plan to complete the admission process by November 1 to allow time to complete all steps.**
  - Apply to Missouri State University-West Plains
  - Provide high school transcripts or HiSET/GED certificate if required for the admission to the University.
  - Provide official transcripts from all previously attended colleges or Universities.
  - Receive letter of admission to the University and BearPass number.

## 2. Missouri State-West Plains Testing Center - Kaplan Entrance Exam

- Have on file the Kaplan Entrance Exam with a minimum overall score of 55%.
- A minimum reading subtopic score on the Kaplan Entrance Exam of 64%.

## 3. Nursing Department

- Apply online through *My Grizzly Den*, **My Enrollment** tab, Student Resources channel. (*Login required - Contact the Help Desk if you need a BearPass password.*)
- If applicable, have transcripts from other nursing programs sent directly to the nursing department.
- LPN students:** Proof of active, non-disciplined LPN licensure.
- You will receive written notification of admission status - accepted, alternate or not accepted - by the first week in April.

# Entrance Requirements

- A minimum overall GPA of 2.5
- A minimum GPA of 2.51 in all science courses
- MTH 130 - Contemporary Mathematics eligibility as determined by:
  - Placement exam score or
  - Completed college coursework such as MTH 103.
- ENG 110 - Writing I eligibility as determined by:
  - Self-placement or
  - Completed college coursework.

Applicants who have met the minimum admission requirements and who have successfully completed support courses within the nursing curriculum will acquire points for ranking.

| Cumulative GPA Scoring | Points awarded toward Ranking score |
|------------------------|-------------------------------------|
| 2.51-2.99              | 10                                  |
| 3.0-3.49               | 15                                  |
| 3.5+                   | 20                                  |

| Science GPA Scoring | Points awarded toward Ranking score |
|---------------------|-------------------------------------|
| 2.76-2.99           | 10                                  |
| 3.0-3.24            | 15                                  |
| 3.25-3.49           | 20                                  |
| 3.5+                | 25                                  |

| <b>Kaplan Entrance Exam Scoring</b> | <b>Points awarded toward Ranking score</b> |
|-------------------------------------|--|
| 60.0-63.4                           | 10   |
| 63.5-71.8                           | 15   |
| 71.9-80.2                           | 20   |
| 80.3+                               | 25   |

| <b>Kaplan Subtopic Scoring</b> | <b>Points awarded toward Ranking score</b> |
|--------------------------------|--|
| Science 55+                    | 2  |
| Critical Thinking 66+          | 2  |

| <b>Support Courses</b>           | <b>Points awarded toward Ranking score</b> |
|----------------------------------|--|
| BIO 210 (Regular-track students) | A-5, B-4, C-3                              |
| PLS 101                          | A-3, B-2, C-1                              |
| PSY 121                          | A-3, B-2, C-1                              |

**LPN students:** Two completed professional reference forms, one which must be from an LPN instructor or LPN program administrator.

| <b>Professional Reference Forms (LPNs only)</b> | <b>Points awarded toward Ranking score</b> |
|---|--|
| Average score 3.75-4.25                         | 1  |
| Average score 4.26-5.00                         | 2  |

Offers of acceptance to the Associate of Science in Nursing program are conditional. Conditions include satisfactory completion of nursing support courses, a satisfactory background check and a negative drug and/or controlled substance test.

- An applicant or current nursing student who refuses to authorize and pay testing or who tests positive for drugs, alcohol or controlled substances will not receive a final offer of admission or will not be allowed to continue in the nursing program.
- Past academic history and known academic integrity may be used by the committee to determine if an applicant will be admitted into the nursing program.
- Admission is contingent upon meeting the grade criteria of 'C' or better for past and current enrollment in nursing curriculum support classes.

As a requirement of the nursing program application process, in response to RSMo 660.315 and 660.317b, applicants to the program will be required to consent to release of their criminal history record (RSMo 43.450) solely for the purpose of determining the applicant's ability to enter patient care areas in order to fulfill the requirements of the ASN program. For more information see [Nursing Eligibility](#).

**Notes:**

Students are strongly encouraged to confirm transferability of individual courses to the institutions prior to enrollment. Not all courses will transfer or satisfy specific degree requirements for bachelor's degrees.

# Associate of Applied Science in Technology

## Technology (AAS)

### Associate of Applied Science

The Associate of Applied Science (AAS) in Technology degree prepares students for a career in a technology-related field. Students may specialize in advanced fabrication technology advanced industrial maintenance, advanced manufacturing technology, alternative energy, general technology, information technology or technology management. 60 credit hours

| General Education Requirements  | Credit Hours |
|---|--------------|
| CIS 101 Computers for Learning  | 3            |
| COM 115 Fundamentals of Public Speaking   | 3            |
| ENG 110 Writing I   | 3            |
| ENG 221 Writing II: Writing for the Professions   | 3            |
| <b>IDS:</b> Select two (2) credit hours   |              |
| <ul style="list-style-type: none"> <li>• IDS 110 Student Success</li> <li>• IDS 115 Career Exploration</li> </ul> | 2            |
| <b>Civics:</b> Select three (3) credit hours  |              |
|   |              |



|   |           |
|---|-----------|
| HST 121 Survey of US History to 1877 <b>OR</b>  | 3         |
| <ul style="list-style-type: none"> <li>• HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> |           |
| <b>General Education Total:</b>   | <b>17</b> |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*

(Pending CBHE Approval)

## Advanced Fabrication Technology Option

The Associate of Applied Science in Technology – Advanced Fabrication Technology is designed to prepare students for a career in manufacturing technology. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| Technology Requirements                 | Credit Hours |
|---|--------------|
| WLD 101 Mathematics for Fabrication     | 3            |
| TEC 297 Technology in Action (capstone) | 2            |
| <b>Technology Total:</b>                | <b>5</b>     |

| Advanced Fabrication Technology Requirements          | Credit Hours |
|---|--------------|
| WLD 110 Print reading and Basic (CAD) for Fabrication | 3            |
| WLD 115 Welding Safety, Materials and Processes       | 3            |
| WLD 175 Welding Technology                            | 3            |
| WLD 210 Advanced Welding Technology                   | 3            |
| WLD 215 Structural Design and Fabrication             | 3            |
| WLD 275 Fabrication Applications                      | 3            |
| WLD 280 Robotic Arc Welding                           | 3            |
| TEC 161 Basic Wood Gasification                       | 3            |

|  |           |
|--|-----------|
| TEC 260 Alternative Energy-Biofuels          | 3         |
| TEC 299 Technology Internship                | 3         |
| General Technology Electives                 | 8         |
| <b>Advanced Fabrication Technology Total</b> | <b>38</b> |

## Advanced Industrial Maintenance Option

The Associate of Applied Science in Technology – Advanced Industrial Maintenance is designed to prepare students for a career in industrial maintenance. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| Technology Requirements                 | Credit Hours |
|---|--------------|
| TEC 101 Mathematics for the Trades      | 3            |
| TEC 297 Technology in Action (capstone) | 2            |
| <b>Technology Total:</b>                | <b>5</b>     |

| Advanced Industrial Maintenance Requirements                  | Credit Hours |
|---|--------------|
| TEC 100 Survey of Electronics                                 | 3            |
| TEC 110 Print reading and Basic Computer-Aided Drafting (CAD) | 3            |
| TEC 112 Introduction to Supply Chain Management               | 3            |
| TEC 123 Employment in Manufacturing Occupations               | 3            |
| TEC 132 Introduction to Industry 4.0                          | 3            |
| TEC 200 Applied Electricity and Electronics                   | 3            |
| TEC 230 Industrial Controls and Troubleshooting               | 3            |
| TEC 240 Programmable Logic Controllers and Sensors            | 3            |
| TEC 245 Mechanical Systems and Fluid Power                    | 3            |
| TEC 275 Automated Systems                                     | 3            |
| TEC 299 Technology Internship                                 | 2            |
| General Technology Electives                                  | 6            |

## Advanced Manufacturing Technology Option

The Associate of Applied Science in Technology – Advanced Manufacturing Technology is designed to prepare students for a career in manufacturing technology. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| Technology Requirements                 | Credit Hours |
|---|--------------|
| TEC 101 Mathematics for the Trades      | 3            |
| TEC 297 Technology in Action (capstone) | 2            |
| <b>Technology Total:</b>                | <b>5</b>     |

| Advanced Manufacturing Technology Requirements                | Credit Hours |
|---|--------------|
| TEC 100 Survey of Electronics                                 | 3            |
| TEC 110 Print reading and Basic Computer-Aided Drafting (CAD) | 3            |
| TEC 111 Manufacturing Materials & Processes                   | 3            |
| TEC 112 Introduction to Supply Chain Management               | 3            |
| TEC 123 Employment in Manufacturing Occupations               | 3            |
| TEC 165 Manufacturing Technology                              | 3            |
| TEC 175 Welding Technology                                    | 3            |
| TEC 200 Applied Electricity and Electronics                   | 3            |
| TEC 245 Mechanical Systems and Fluid power                    | 3            |
| TEC 275 Automated Systems                                     | 3            |
| TEC 299 Technology Internship                                 | 2            |
| General Technology Electives                                  | 6            |
| <b>Advanced Manufacturing Technology Total:</b>               | <b>38</b>    |

## Alternative Energy Option

The Associate of Applied Science in Technology – Alternative Energy is designed to

prepare students for a career in alternative energy. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| <b>Technology Requirements</b>          | <b>Credit Hours</b> |
|---|---------------------|
| TEC 101 Mathematics for the Trades      | 3                   |
| TEC 297 Technology in Action (capstone) | 2                   |
| <b>Technology Total:</b>                | <b>5</b>            |

| <b>Alternative Energy Requirements</b>              | <b>Credit Hours</b> |
|---|---------------------|
| AGR 103 Plant Science                               | 4                   |
| AGR 112 Introduction to Agricultural Business       | 3                   |
| AGR 115 Sustainable Agriculture and the Environment | 3                   |
| AGR 143 Introductory Forestry                       | 3                   |
| TEC 100 Survey of Electronics                       | 3                   |
| TEC 200 Applied Electricity and Electronics         | 3                   |
| TEC 260 Alternative Energy: Biofuels                | 3                   |
| TEC 265 Alternative Energy: Solar                   | 3                   |
| TEC 270 Alternative Energy: Wind                    | 3                   |
| TEC 299 Technology Internship                       | 2                   |
| General Technology Electives                        | 8                   |
| <b>Alternative Energy Total:</b>                    | <b>38</b>           |

## General Technology Option

The Associate of Applied Science in Technology – General Technology is designed to prepare students for a career in various technology fields. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| <b>Technology Requirements</b>     | <b>Credit Hours</b> |
|------------------------------------|---------------------|
| TEC 101 Mathematics for the Trades | 3                   |

|   |          |
|---|----------|
| TEC 297 Technology in Action (capstone) | 2        |
| <b>Technology Total:</b>                | <b>5</b> |

| <b>General Technology Requirements</b>   | <b>Credit Hours</b> |
|--|---------------------|
| Select any combination of courses from the following departments to equal 38 credit hours: <ul style="list-style-type: none"> <li>• Agriculture (AGR)</li> <li>• Business (ACC, BUS, EPR, FIN, INS, LAW, MGT, QBA)</li> <li>• Computer (CGP, CIS, CSC)</li> <li>• Engineering (EGR)</li> <li>• Enology and Viticulture (VIN)</li> <li>• Fire Science (FST)</li> <li>• Law Enforcement (LWE)</li> <li>• Mathematics (MTH)</li> <li>• Science (AST, BIO, BMS, CHM, ENV, GLG, GRY, PHY)</li> <li>• Technology (TEC)</li> <li>• Fabrication and Welding (WLD)</li> </ul> | 38                  |
| <b>General Technology Total:</b>   | <b>38</b>           |

## Information Technology Option

The Associate of Applied Science in Technology – Information Technology is designed to prepare students for a career in information technology. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| <b>Technology Requirements</b>          | <b>Credit Hours</b> |
|---|---------------------|
| TEC 101 Mathematics for the Trades      | 3                   |
| TEC 297 Technology in Action (capstone) | 2                   |
| <b>Technology Total:</b>                | <b>5</b>            |

| <b>Information Technology Requirements</b>      | <b>Credit Hours</b> |
|---|---------------------|
| CGP 145 Introduction to Computer Programming    | 3                   |
| CIS 201 Computer Applications in Business       | 3                   |
| CIS 205 Website Design and Development          | 3                   |
| CIS 235 Computer Hardware and Operating Systems | 3                   |
| CIS 260 Introduction to Java Programming        | 3                   |
|   |                     |

|   |           |
|---|-----------|
| CIS 290 Advanced Microcomputer Applications             | 3         |
| CIS 295 Database Management Systems Concepts and Design | 3         |
| Electives (CGP, CIS, CSC)                               | 17        |
| <b>Information Technology Total</b>                     | <b>38</b> |

## Technology Management Option

The Associate of Applied Science in Technology – Technology Management is designed to prepare students for a career in technology management. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| Technology Requirements                 | Credit Hours |
|---|--------------|
| TEC 101 Mathematics for the Trades      | 3            |
| TEC 297 Technology in Action (capstone) | 2            |
| <b>Technology Total:</b>                | <b>5</b>     |

| Technology Management Requirements                 | Credit Hours |
|--|--------------|
| ACC 201 Introduction to Financial Accounting       | 3            |
| ECO 155 Principles of Macroeconomics               | 3            |
| MGT 286 Business Communications                    | 3            |
| TEC 100 Survey of Electronics                      | 3            |
| TEC 112 Introduction to Supply Chain Management    | 3            |
| TEC 228 Logistics, Transportation and Distribution | 3            |
| TEC 232 Quality Management                         | 3            |
| TEC 250 Safety Management                          | 3            |
| TEC 255 Project Management                         | 3            |
| TEC 299 Technology Internship                      | 2            |
| Electives  | 9            |
| <b>Technology Management Total</b>                 | <b>38</b>    |

| Technology (AAS) Degree     | Credit Hours |
|-----------------------------|--------------|
| <b>Total Hours Required</b> | <b>60</b>    |

# Associate of Science in Technology

## Technology (AS)

### Associate of Science

The Associate of Science in Technology is a transfer degree and contains the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and technology courses needed to facilitate transfer. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| <b>Written Communications</b>                   | <b>Credit Hours</b> |
|---|---------------------|
| ENG 110 Writing I                               | 3                   |
| ENG 221 Writing II: Writing for the Professions | 3                   |

| <b>Oral Communications</b>              | <b>Credit Hours</b> |
|---|---------------------|
| COM 115 Fundamentals of Public Speaking | 3                   |

| <b>Mathematical Sciences</b>              | <b>Credit Hours</b> |
|---|---------------------|
| MTH 136 Pre-Calculus I: Algebra or higher | 3                   |



| <b>Natural Sciences</b>  | <b>Credit Hours</b> |
|--|---------------------|
| <ul style="list-style-type: none"> <li>PHY 100 Survey of Physics with Laboratory <b>OR</b></li> <li>PHY 203 Foundations of Physics I</li> </ul>  | 4                   |
| CHM 116 Fundamentals of Chemistry  | 4                   |
| <b>Social and Behavioral Science</b>   | <b>Credit Hours</b> |
| ECO 155 Principles of Macroeconomics   | 3                   |
| PSY 121 Introductory Psychology  | 3                   |
| <b>Civics:</b> Select three (3) credit hours   |                     |
| <ul style="list-style-type: none"> <li>HST 121 Survey of US History to 1877 <b>OR</b></li> <li>HST 122 Survey of US History Since 1877 <b>OR</b></li> <li>PLS 101 American Democracy and Citizenship</li> </ul>  | 3                   |
| <b>Humanities and Fine Art</b>   | <b>Credit Hours</b> |
| Select nine (9) credit hours minimum, from at least two (2) disciplines, from the list of approved <a href="#">Humanities and Fine Arts Core 42 courses</a> .  | 9                   |
| <b>Additional General Education</b>  | <b>Credit Hours</b> |
| Select four (4) credit hours from any Social and Behavioral Science or Humanities & Fine Arts or Natural Sciences or Mathematical Sciences.  | 4                   |
| <b>Institutional Requirements</b>  | <b>Credit Hours</b> |
| CIS 101 Computers for Learning   | 3                   |
| <b>IDS:</b> Select two (2) credit hours  |                     |
| <ul style="list-style-type: none"> <li>IDS 110 Student Success</li> <li>IDS 115 Career Exploration</li> </ul>  | 2                   |
| <b>Technology Requirements</b>   | <b>Credit Hours</b> |
| <b>Technical Electives:</b> Select 13 credit hours from <a href="#">CIS</a> , <a href="#">CGP</a> , <a href="#">EGR</a> , <a href="#">TEC</a> or WLD courses, including one of the following capstone classes: <ul style="list-style-type: none"> <li>CGP 297 Computer Graphics and Programming Capstone <b>OR</b></li> <li>TEC 297 Technology in Action Capstone</li> </ul> | 13                  |
| <b>Technology (AS) Degree</b>  | <b>Credit Hours</b> |

**Total Hours Required**

**60**

# Certificate in Advanced Fabrication Technology

## Advanced Fabrication Technology (Cert)

### Certificate

The Certificate in Advanced Fabrication Technology provides students with a breadth of knowledge in structural fabrication and a depth of welding experience in four processes of welding technology; from manual welding with Introduction and Advanced Shielded Metal Arc Welding (SMAW), to semiautomatic welding with Introduction and Advanced Gas Metal Arc Welding (GMAW) and Flux-Cored Arc Welding (FCAW), as well as Introduction Gas Tungsten Arc Welding (GTAW). These concepts and processes are applied with automated and robotic arc welding by combining automated systems and robotics in digital fabrication with metals. While the Certificate in Advanced Fabrication Technology may be completed as a stand-alone program, courses in this certificate may also be used to complete the Associate of Applied Science in Technology-Advanced Fabrication Technology. 25 credit hours

| Certificate in Advanced Fabrication Technology      | Credit Hours |
|---|--------------|
| WLD 101 Math for Fabrication                        | 3            |
| WLD 110 Print Reading and Basic CAD for Fabrication | 3            |
| WLD 115 Welding Safety, Materials and Processes     | 3            |
| WLD 175 Welding Technology                          | 3            |
| WLD 210 Advanced Welding Technology                 | 3            |

|  |   |
|--|---|
| WLD 215 Structural Design and Fabrication            | 3 |
| WLD 275 Fabrication Applications                     | 3 |
| WLD 280 Robotic Arc Welding                          | 3 |
| WES 101 Mike Rowe Works (MRW) Work Ethic Certificate | 1 |

| <b>Advanced Fabrication Technology (Cert)</b> | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required</b>                   | <b>25</b>           |

# Certificate in Advanced Industrial Maintenance

## Advanced Industrial Maintenance (Cert) Certificate

The Certificate in Advanced Industrial Maintenance provides students with the knowledge and skills needed to begin a career in industrial maintenance. Subjects include an introduction to Industry 4.0, applied electricity and electronics, industrial controls and troubleshooting, programmable logic controls, mechanical systems and fluid power, and automated systems. While the Certificate in Advanced Industrial Maintenance may be completed as a stand-alone program, courses in this certificate may also be used to complete the Associate of Applied Science in Technology-Advanced Industrial Maintenance. 25 credit hours

| Certificate in Advanced Industrial Maintenance     | Credit Hours |
|--|--------------|
| TEC 100 Survey of Electronics                      | 3            |
| TEC 101 Math for the Trades                        | 3            |
| TEC 132 Introduction to Industry 4.0               | 3            |
| TEC 200 Applied Electricity and Electronics        | 3            |
| TEC 230 Industrial Controls and Troubleshooting    | 3            |
| TEC 240 Programmable Logic Controllers and Sensors | 3            |
|  |              |

|  |   |
|--|---|
| TEC 245 Mechanical Systems and Fluid Power           | 3 |
| TEC 275 Automated Systems                            | 3 |
| WES 101 Mike Rowe Works (MRW) Work Ethic Certificate | 1 |

| <b>Advanced Industrial Maintenance (Cert)</b> | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required</b>                   | <b>25</b>           |

# Certificate in Advanced Manufacturing Technology

## Advanced Manufacturing Technology (Cert) Certificate

The Certificate in Advanced Manufacturing Technology helps prepare students for a career as a manufacturing technician. Students will gain knowledge and skills in a variety of technical subjects, including electricity, electronics, manufacturing materials and processes, manufacturing technology, welding technology, mechanical systems, fluid power, automated systems. While the Certificate in Advanced Manufacturing Technology may be completed as a stand-alone program, courses in this certificate may also be used to complete the Associate of Applied Science in Technology-Advanced Manufacturing Technology. 24 credit hours

| Advanced Manufacturing Technology Curriculum    | Credit Hours |
|---|--------------|
| TEC 100 Survey of Electronics                   | 3            |
| TEC 111 Manufacturing Materials & Processes     | 3            |
| TEC 123 Employment in Manufacturing Occupations | 3            |
| TEC 165 Manufacturing Machine Technology        | 3            |
| TEC 200 Applied Electricity and Electronics     | 3            |

|  |   |
|--|---|
| TEC 245 Mechanical Systems and Fluid Power           | 3 |
| TEC 275 Automated Systems                            | 3 |
| TEC 299 Technology Internship                        | 3 |
| WLD 175 Welding Technology                           | 3 |
| WES 101 Mike Rowe Works (MRW) Work Ethic Certificate | 1 |

| <b>Advanced Manufacturing Technology (Cert)</b> | <b>Credit Hours</b> |
|---|---------------------|
| <b>Total Hours Required</b>                     | <b>28</b>           |



# Certificate in Alternative Energy

## Alternative Energy (Cert)

### Certificate

The certificate in Alternative Energy includes a unique combination of electricity, electronics, biofuels, solar, and wind energy courses to provide practical knowledge and experience in the alternative energy field. While the Certificate in Alternative Energy may be completed as a stand-alone program, courses in this certificate may also be used to complete the Associate of Applied Science in Technology-Alternative Energy.

*Not eligible for financial aid.*

| Certificate in Alternative Energy           | Credit Hours |
|---|--------------|
| TEC 100 Survey of Electronics               | 3            |
| TEC 200 Applied Electricity and Electronics | 3            |
| TEC 260 Alternative Energy-Biofuels         | 3            |
| TEC 265 Alternative Energy-Solar            | 3            |
| TEC 270 Alternative Energy-Wind             | 3            |

| Alternative Energy (Cert) | Credit Hours |
|---------------------------|--------------|
|                           |              |

**Total Hours Required**

**15**

# Technology Management Certificate

## Technology Management (Cert) Certificate

The Certificate in Technology Management provides broad exposure in the field of technology management, including supply chain management, supervision, quality management, safety management and project management. This certificate is appropriate for students interested in improving job skills and opportunities in manufacturing and technical fields. While the Certificate in Technology Management may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science (AAS) in Technology-Technology Management or the AAS in Business-Technology Management.

| Certificate in Technology Management               | Credit Hours |
|--|--------------|
| CIS 101 Computers for Learning                     | 3            |
| CIS 201 Computer Applications for Business         | 3            |
| TEC 112 Introduction to Supply Chain Management    | 3            |
| TEC 210 Principals of Supervision                  | 3            |
| TEC 225 Logistics, Transportation and Distribution | 3            |
| TEC 232 Quality Management                         | 3            |

|                            |   |
|----------------------------|---|
| TEC 250 Safety Management  | 3 |
| TEC 255 Project Management | 3 |

| <b>Technology Management (Cert)</b> | <b>Credit Hours</b> |
|-------------------------------------|---------------------|
| <b>Total Hours Required</b>         | <b>24</b>           |

# Certificate in Technology Management

## Technology Management (Cert)

### Certificate

The Certificate in Technology Management provides broad exposure in the field of technology management, including supply chain management, supervision, quality management, safety management and project management. This certificate is appropriate for students interested in improving job skills and opportunities in manufacturing and technical fields. While the Certificate in Technology Management may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science (AAS) in Technology-Technology Management or the AAS in Business-Technology Management.

| Certificate in Technology Management               | Credit Hours |
|--|--------------|
| CIS 101 Computers for Learning                     | 3            |
| CIS 201 Computer Applications for Business         | 3            |
| TEC 112 Introduction to Supply Chain Management    | 3            |
| TEC 210 Principals of Supervision                  | 3            |
| TEC 225 Logistics, Transportation and Distribution | 3            |
| TEC 232 Quality Management                         | 3            |

|                            |   |
|----------------------------|---|
| TEC 250 Safety Management  | 3 |
| TEC 255 Project Management | 3 |

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Technology Management (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>         | <b>24</b>           |

# Associate of Applied Science in Viticulture

## Viticulture (AAS)

### Associate of Applied Science

The Associate of Applied Science in Viticulture is designed to prepare students for a career in horticulture and grape growing. This academic guide is based on the 2021-2022 Missouri State University–West Plains Catalog. The time to complete the degree will vary, depending on the degree option taken, remediation, summer enrollment, number of classes taken per semester, etc.

| General Education Requirements   | Credit Hours |
|--|--------------|
| BIO 101 Biological Concepts  | 3            |
| BIO 111 Understanding Biological Systems Through Inquiry   | 1            |
| CIS 101 Computers for Learning   | 3            |
| ENG 110 Writing I  | 3            |
| IDS 110 Student Success  | 2            |
| MTH 100 Intermediate Applied Algebra or higher (except MTH 197 Introductory Topics in Mathematics or MTH 297 Mathematic Topics in Globalization) | 3            |
| <b>Physics:</b> Select three (3) credit hours  |              |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• PHY 100 Survey of Physics with Laboratory <b>OR</b></li> <li>• VIN 106 Physics for the Wine Industry</li> </ul>  | 3         |
| <b>Civics:</b> Select three (3) credit hours  |           |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3         |
| <b>Communications / Writing II:</b> Select six (6) credit hours   |           |
| <ul style="list-style-type: none"> <li>• COM 115 Fundamentals of Public Speaking</li> <li>• ENG 221 Writing II: Writing for the Professions</li> <li>• MGT 286 Business Communications</li> </ul>           | 6         |
| <b>General Education Total</b>  | <b>27</b> |

| <b>Agriculture Business Requirements</b>      | <b>Credit Hours</b> |
|---|---------------------|
| AGR 112 Introduction to Agricultural Business | 3                   |
| QBA 237 Basic Business Statistics             | 3                   |
| <b>Agriculture Business Total</b>             | <b>6</b>            |

| <b>Viticulture Requirements</b>   | <b>Credit Hours</b> |
|---|---------------------|
| VIN 111 Introduction to Viticulture and Vineyard Establishment  | 3                   |
| VIN 112 Botanical Viticulture   | 4                   |
| VIN 211 Integrated Pest Management  | 2                   |
| VIN 212 Winter Viticulture Technology   | 2                   |
| VIN 213 Regional Vineyard Management  | 2                   |
| VIN 214 Spring Viticulture Technology   | 2                   |
| VIN 215 Summer/Fall Viticulture Technology  | 2                   |
| VIN 293 Soils for Viticulture   | 3                   |
| <b>Chemistry:</b> Select VIN 105, or CHM 116 <b>and</b> CHM 117   |                     |
| <ul style="list-style-type: none"> <li>• VIN 105 Molecular Principles of Grape and Wine <b>OR</b></li> <li>• CHM 116 Fundamentals of Chemistry <b>AND</b></li> <li>• CHM 117 Fundamentals of Chemistry Lab</li> </ul> | 4                   |
| <b>Enology Elective:</b> Select three (3) credit hours  |                     |



- VIN 146 Introduction to Enology **OR**
- VIN 266 Sensory Evaluation

3

**Viticulture Totals**

**27**

**Viticulture (AAS) Degree**

**Credit Hours**

**Total Hours Required**

**60**

# Certificate in Viticulture

## Viticulture (Cert)

### Certificate

The Certificate in Viticulture provides practical knowledge and skills in the field of viticulture, or grape growing. The certificate is offered through the Viticulture Enology Science and Technology Alliance (VESTA), a national grape and wine education program that combines the flexibility of online instruction, instructor-guided education from industry professionals and hands-on winery experience. While the Certificate in Viticulture may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the Associate of Applied Science in Viticulture.

| Certificate in Viticulture Requirements                        | Credit Hours |
|--|--------------|
| VIN 105* Molecular Principles of Grape and Wine                | 4            |
| VIN 111 Introduction to Viticulture and Vineyard Establishment | 3            |
| VIN 112 Botanical Viticulture                                  | 4            |
| VIN 211 Integrated Pest Management                             | 2            |
| VIN 212 Winter Viticulture Technology                          | 2            |
| VIN 213 Regional Vineyard Management                           | 2            |
| VIN 214 Spring Viticulture Technology                          | 2            |
| VIN 215 Summer/Fall Viticulture Technology                     | 2            |

|   |   |
|---|---|
| VIN 293 Soils for Viticulture   | 3 |
| Enology Elective: <ul style="list-style-type: none"> <li>• VIN 146 Introduction to Enology</li> <li>• VIN 266 Sensory Evaluation</li> </ul> | 3 |

|                             |                     |
|-----------------------------|---------------------|
| <b>Viticulture (Cert)</b>   | <b>Credit Hours</b> |
| <b>Total Hours Required</b> | <b>27</b>           |

*\* Note: CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab may be substituted for VIN 105.*

# Associate of Applied Science in Wine Business and Entrepreneurship

## Wine Business and Entrepreneurship (AAS)

### Associate of Applied Science

The Associate of Applied Science (AAS) in Wine Business and Entrepreneurship is designed to prepare students to own and manage their own winery or vineyard. This academic guide is based on the 2021-2022 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

| General Education Requirements  | Credit Hours |
|---|--------------|
| BIO 101 Biology in Your World   | 3            |
| BIO 111 Understanding Biological Systems Through Inquiry                        | 1            |
| ENG 110 Writing I   | 3            |
| IDS 110 Student Success   | 2            |
| MTH 100 Intermediate Applied Mathematics or higher (except MTH 197 and MTH 297) | 3            |
| <b>Physics:</b> Select three (3) credit hours                                   |              |
|   |              |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• PHY 100 Survey of Physics with Laboratory <b>OR</b></li> <li>• VIN 106 Physics for the Wine Industry</li> </ul>  | 3         |
| <b>Civics:</b> Select three (3) credit hours  |           |
| <ul style="list-style-type: none"> <li>• HST 121 Survey of US History to 1877 <b>OR</b></li> <li>• HST 122 US History Since 1877 <b>OR</b></li> <li>• PLS 101 American Democracy and Citizenship</li> </ul> | 3         |
| <b>Communications / Writing II:</b> Select six (6) credit hours   |           |
| <ul style="list-style-type: none"> <li>• COM 115 Fundamentals of Public Speaking</li> <li>• ENG 221 Writing II: Writing for the Professions</li> <li>• MGT 286 Business Communications</li> </ul>           | 6         |
| <b>General Education Total</b>  | <b>24</b> |

| <b>Agriculture Business Requirements</b>     | <b>Credit Hours</b> |
|--|---------------------|
| ACC 201 Introduction to Financial Accounting | 3                   |
| QBA 237 Basic Business Statistics            | 3                   |
| <b>Agriculture Business Total</b>            | <b>6</b>            |

| <b>Wine Business &amp; Entrepreneurship</b>                             | <b>Credit Hours</b> |
|---|---------------------|
| VIN 111 Introduction to Viticulture and Vineyard                        | 3                   |
| VIN 130 New Wine Business Feasibility                                   | 3                   |
| VIN 132 Entrepreneurial Finance for Vineyard and Wine Business          | 3                   |
| VIN 146 Introduction to Enology   | 3                   |
| VIN 202 Legal Aspects of Vineyard and Winery Operation                  | 3                   |
| VIN 250 Vineyard Equipment Technology for the Entrepreneur              | 3                   |
| VIN 270 Marketing for the Small Winery                                  | 2                   |
| VIN 275 Financial Management for the Wine Business                      | 3                   |
| VIN 285 Addressing Human Resources                                      | 3                   |
| VIN 290 Vineyard and Winery Safety                                      | 3                   |
| VIN 295 Developing a Business Plan                                      | 3                   |
| <b>VIN Electives:</b> Select a minimum of at least two (2) credit hours |                     |

|   |           |
|---|-----------|
| <ul style="list-style-type: none"> <li>• VIN 272 Winery Tasting Room Management</li> <li>• VIN 280 Winery Establishment and Design</li> </ul> | 2         |
| <b>Wine Business &amp; Entrepreneurship Totals</b>  | <b>34</b> |

|  |                     |
|--|---------------------|
| <b>Wine Business and Entrepreneurship (AAS) Degree</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>                            | <b>64</b>           |

**Degree Notes:**

1. *Math requirements exclude MTH 197 and MTH 297.*
2. *Students are required to complete a minimum of three (3) credit hours of math regardless of placement.*
3. *Electives must be approved by the department.*
4. *Students should confirm transferability of courses with their transfer university before completing courses at MSU-WP.*
5. *Some VIN courses are not eligible for Missouri A+ funding.*
6. *Students must register for VIN classes through the VESTA portal at <https://www.vesta-usa.org/Students>*

(Pending CBHE Approval)

# Certificate in Wine Business and Entrepreneurship

## Wine Business and Entrepreneurship (Cert) Certificate

| Certificate in Wine Business & Entrepreneurship  | Credit Hours |
|--|--------------|
| <ul style="list-style-type: none"><li>VIN 111 Introduction to Viticulture and Vineyard Establishment</li><li>VIN 146 Introduction to Enology</li></ul> | 3            |
| VIN 130 New Wine Business Feasibility  | 3            |
| VIN 132 Finance & Accounting for Wine Business   | 3            |
| VIN 202 Legal Aspects of Vineyard and Winery Operation   | 3            |
| VIN 250 Equipment Technology for the Entrepreneur  | 3            |
| VIN 270 Marketing for the Small Winery   | 2            |
| VIN 275 Financial Management for the Wine Business Entrepreneur  | 3            |
| <ul style="list-style-type: none"><li>VIN 272 Winery Tasting Room Management</li><li>VIN 280 Winery Establishment and Design</li></ul>                 | 2            |

|                                    |   |
|------------------------------------|---|
| VIN 285 Addressing Human Resources | 3 |
| VIN 290 Vineyard and Winery Safety | 3 |
| VIN 295 Developing a Business Plan | 3 |

| <b>Wine Business and Entrepreneurship (Cert)</b> | <b>Credit Hours</b> |
|--|---------------------|
| <b>Total Hours Required</b>                      | <b>31</b>           |



# Certificate in Workplace Employability Skills

## Workplace Employability Skills (Cert) Certificate

| Workplace Employability Skills Certification Requirements | Credit Hours |
|---|--------------|
| Select 12 courses from the following:                     |              |
| WES 101 Mike Rowe Works (MRW) Work Ethic Certification    | 1            |
| WES 110 Career Preparation                                | 1            |
| WES 115 Introductory Business Communication               | 1            |
| WES 120 Negotiation and Conflict Resolution               | 1            |
| WES 124 Teamwork & Motivation                             | 1            |
| WES 130 Personal Competency                               | 1            |
| WES 135 Professionalism                                   | 1            |
| WES 140 Critical Thinking                                 | 1            |
| WES 144 Leadership & Ethics                               | 1            |
| WES 152 Goal Setting & Attitude                           | 1            |

|                                   |   |
|-----------------------------------|---|
| WES 155 Customer Service          | 1 |
| WES 165 Practical Math            | 1 |
| WES 170 Introduction to Computers | 1 |

|  |                     |
|--|---------------------|
| <b>Workplace Employability Skills (Cert)</b> | <b>Credit Hours</b> |
| <b>Total Hours Required</b>                  | <b>12</b>           |

Note: Students who are degree-seeking or have completed similar courses may receive credit for the following substitutions:

- COM 115 Fundamentals of Public Speaking or MGT 286 Business Communications for WES 115 Introductory Business Communication
- COM 205 Interpersonal Communication Theory and Skills for WES 125 Interpersonal Skills
- COM 110 Critical Thinking or PHI 105 Logic, Language and Argumentation for WES 140 Critical Thinking
- PHI 115 Introduction to Ethics for WES 145 Business Ethics
- MGT 130 Business Mathematics or MTH 100 Intermediate Applied Mathematics for WES 165 Practical Math for the Workplace

# Accounting Courses

## Accounting (ACC) courses

### ACC 201 Introduction to Financial Accounting

**Prerequisite(s):** Eligibility for ENG 110 and eligibility for MTH 103 or MTH 111 or a grade of C or better in MGT 130.

Methods and procedures employed in financial accounting with emphasis on development and interpretation of financial statements. Transfer students should be aware that a grade of B or above may be required for upper division courses. The student should review the transfer institution's course requirements. This course requires the purchase of an on-line homework management application access code and e-textbook which can be purchased with the optional printed textbook.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

### ACC 211 Introduction to Managerial Accounting

**Prerequisite(s):** ACC 201.

Methods and procedures employed in managerial accounting with emphasis on the use of accounting data for decision-making. Transfer students should be aware that a grade of B or better may be required for upper division courses. The student should review the transfer institution's course requirements. This course may not be taken pass/not pass. This course requires the purchase of an on-line homework management application access code and e-

textbook which can be purchased with the optional printed textbook.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## ACC 220 Payroll Accounting

Practices and procedures of payroll accounting include an overview of federal regulations governing employment, compensation and taxation. Students will learn procedures used in computing gross and net payroll, completing payroll tax reports, and recording payroll journal entries in the general ledger.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall              |

## ACC 221 Introduction to Individual Tax Accounting

Introduction to principles of Individual Income tax accounting. The course will address current federal regulations and Income tax problems of individuals. Students will learn how to prepare basic federal income tax forms. This course requires the purchase of an online homework management application access code which can be purchased with the printed textbook or in association with an e-textbook.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall              |

## ACC 290 Accounting Software Applications

**Prerequisite(s):** ACC 201 and CIS 101.

This course uses QuickBooks Accounting Software. Upon successful completion of this course, a student will be able to use the computer software to create the accounting books for a small business, including a chart of accounts, accounts receivable and payable subsidiary ledgers, transaction journals, general ledgers, financial statements, and other reports. The Certiport QuickBooks Certified User Exam is the final exam in this course. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

# ACC 299 Internship in Accounting

**Prerequisite(s):** ACC 211 and 24 credit hours or instructor permission.

The internship in accounting is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Agriculture Courses

## Agriculture (AGR) courses

### AGR 100 Food Security

Honors eligible course. An examination of policies and technology that affect food security for the United States in a global setting. This course meets a general education requirement with a focus in Social and Behavioral Sciences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 3            | 3                     | 0                 | Fall, Spring, Summer |

### AGR 101 Animal Science

Introduction to farm animal industries, breeds, numbers, distribution, nutrition, heredity, reproduction, health and products. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Fall              |

### AGR 103 Plant Science

A survey course that covers the fundamental of structure, function and environmental interactions of higher plants. The application of science to the study and utilization of plants is examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Spring            |

## AGR 104 Plant Science Laboratory

**Prerequisite(s):** AGR 103 or concurrent enrollment.

Provides opportunities for hands-on application of concepts of plant science through the use of basic plant science research and production practices. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

## AGR 112 Introduction to Agricultural Business

This course introduces students to the requirements for starting and operating a successful agricultural-based business. Students will learn how to assess the business environment and identify potentially viable business opportunities. Business start-up, planning, organization, management, marketing, accounting, and financing are also covered in this practical course. Special emphasis will be placed on agricultural ventures in the Ozarks. Students may not receive credit for both EPR 110 and AGR 112.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## AGR 115 Sustainable Agriculture and the Environment

This course examines the practice of agro-ecology: the interface of management, biology, and the environment in our effort to produce food, feed, and fiber for a rapidly growing human population. Consequences of historical and current practices, as well as strengths and weaknesses of alternative practices that attempt to employ more knowledge of biology and ecology, will also be evaluated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## AGR 118 Leadership

A course for entering freshmen students to examine leadership through the observation and analysis of leaders in various career paths. Demonstrates leadership through class projects. Course may be repeated for up to 3 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## AGR 143 Introductory Forestry

Introduction to field of forestry. In addition to traditional topics of species identification, biology and timber management, this course examines the sociological, environmental, political and industrial influences on domestic and international management of forest resources.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## AGR 144 Agricultural Economics

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 100 or IDS 150.

Characteristics of our economic system and basic economic concepts with applications to agriculture. Effects on agriculture by money and banking systems, monetary and fiscal policies, government policies, and international trade.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Fall              |

## AGR 150 Agriculture Career Center Variable Content Course

**Prerequisite(s):** Grade of C or better in an approved 700 clock hour career center program and completion of 12 credit hours of course work at Missouri State University-West Plains. A variable content course resulting from an articulation agreement with the Ozark Mountain Technical Center or other approved career center.



The topic will be identified by the career center program title. Approved 700 clock hour programs from the Ozark Mountain Career Center include Agriculture Business and Management, Agriculture Mechanics and Technology, Animal Science Systems, and Plant Science/Horticulture Systems. Other accredited programs will be evaluated on an individual basis. Students must attain a C grade or better in the applicable core competencies. Similar courses at other institutions will be evaluated on an individual basis. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains. The transferability of this course to other institutions must be confirmed with the institution.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 18           | 18                    | 0                 | Upon demand       |

## AGR 157 Principles of Agricultural Mechanization

Engineering and mechanical principles; their application to agriculture equipment, systems and concepts. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## AGR 161 Introduction to Horses

Scope and role of the horse industry. Responsibilities of ownership; selection, breeds-development and uses; basic care-nutrition, health care, conditioning; and facilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## AGR 162 Introduction to Riding

This is an introductory course with a focus on safe and effective techniques for both English and Western riding. The course may be repeated for a total of 3 hours. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

# AGR 163 Introduction to Hunt Seat Equestrian Competition

**Prerequisite(s):** AGR 162 or permission of instructor.

This course is for students who have limited or no experience in equestrian competition in the hunt seat discipline. This course may not be taken concurrently with AGR 263. May be repeated for a total of 2 hours. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

# AGR 164 Introduction to Stock Seat Equestrian Competition

**Prerequisite(s):** AGR 162 or permission of instructor.

This course is for students who have limited or no experience in equestrian competition in the stock seat discipline. This course may not be taken concurrently with AGR 264. May be repeated for a total of 2 hours. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

# AGR 170 Introduction to Horticulture

This course provides an introduction to horticultural science. Topics will include an overview of the horticultural industry and its history, plant structure and metabolism, environmental influences on horticultural plants such as temperature, light, water and soil, and plant management practices. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# AGR 171 Controlled Environment Agriculture

Controlled Environmental Agriculture (CEA) optimizes the use of resources such as water, energy, space, capital and labor. This course investigates the use of high tunnels, low tunnels and row covers and greenhouses to produce food. Hands on experiments in a greenhouse and high tunnel. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Spring            |

## AGR 172 Greenhouse Management

Introduction to Greenhouse Management. The course will cover greenhouse construction, heating and cooling, environmental control systems, growing media management, watering, fertilization, light and temperature regulation, and insect, pest and disease management. Hands on experience in a greenhouse and high tunnel system. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Fall              |

## AGR 173 Aquaponics and Hydroponics

Introductory course in hydroponics and aquaculture. Covers system location and environment, system design, growbeds and fish tanks, plumbing, grow media and water quality, growing and harvesting fish, growing plants in aquaponics, and sustainability. Hands on experience with an aquaponics system. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

## AGR 174 Integrated Pest Management

Covers an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Students will obtain a Certified Private Applicator License through the Missouri Department of Agriculture. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Spring            |

## AGR 175 Vegetable and Fruit Production

Course topics include breeding and improving vegetables, transplanting and direct seeding, soil management and fertilization, weed management, irrigation, controlling insects and diseases, perennial crops, cold crops, root crops, tomatoes, leafy vegetables, corn and controlled environment vegetable production. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Fall              |

## AGR 185 Introduction to Companion Animal Science

An introduction to companion animal biology through consideration of the anatomy, nutrition, behavior, husbandry, and reproduction of companion animals. Course content is largely focused on cats and dogs, although other mammals, birds, and reptiles commonly kept as pets will be discussed. Legal, economic, and ethical issues associated with companion animals will be addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 191 Evaluation and Performance Appraisal of Horse

Detailed evaluation of athletic performance of horses; influence of training and other environmental effects, heredity, and conformation; use of racing and performance records, visual appraisal, and industry trends; oral and written defense of judgments. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0                     | 4                 | Spring            |

## AGR 196 Dairy and Meat Animal Evaluation

Comparative judging including selection, grading, and classification of dairy cattle, or beef cattle, swine and sheep. A Variable Content Course; may be repeated with permission for up to 4 credit hours. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0                     | 4                 | Summer            |

## AGR 197 Special Topics in Agriculture

A variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if the topics differ; however, no more than six credits may count toward any degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0                     | 4                 | Upon demand       |

## AGR 200 Mini Agriculture

A course designed to treat specific areas of agriculture to meet specialized student needs. Treatment of the subject will include consideration of historical, theoretical, scientific, and application aspects. May be repeated up to a total of 3 hours provided the same topics is not repeated. Variable Content Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## AGR 201 Physiology of Farm Animals

Basic physiology of farm animals with special emphasis on systems related to the economic importance of domestic animals such as the mammary, reproductive, endocrine, and other systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 202 Applied Animal Reproduction

Physiological principles of reproductive processes in domestic animals (production and companion) including sperm and ova production, estrus, fertilization, gestation, and partition. Artificial insemination history and techniques of semen collection and evaluation and insemination techniques. Management for Improved Reproduction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## AGR 206 Veterinary Science

Prerequisite(s): AGR 101.

Functional anatomy and physiology, diseases and parasites of farm animals; sanitation; disease prevention and control.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 210 Animal Nutrition

Key topics include the basic fundamentals of nutrition and comparative nutrition of farm animals. Anatomy and physiology of the digestive system and basic metabolism will also be covered along with the characteristics, digestion and functions of the basic nutrients.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## AGR 215 Soils

Physical, chemical, and biological activities within the soil as related to moisture, temperature, drainage, and tillage.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## AGR 216 Soils Lab

Laboratory and computer methods for evaluation of the physical, chemical and biological properties of soil. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

## AGR 240 Wildlife Techniques

Wildlife management programs must be based on quality scientific investigations that produce objective, relevant information. This quality science is dependent on carefully designed experiments, estimates, comparisons and accurate census techniques. Wildlife Techniques will provide an overview of the fundamental concepts of wildlife research, study design and population determining methods.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 242 Wildlife Damage Management

This course presents the challenges of managing human-wildlife conflicts while protecting wildlife populations and their habitat and introduces a variety of wildlife damage management practices and techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 243 Indoor Plants

Identification, cultural requirements, and growth habits of ornamental foliage and flowering plants for indoor use.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## AGR 250 Agricultural Communications

**Prerequisite(s):** ENG 110 and COM 115.

Introduces the scope and applications of communications and journalism as they relate to agriculture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

# AGR 252 Beef Cattle Production

**Prerequisite(s):** AGR 101.

Production and management of purebred and commercial beef cattle. Course covers the biological, ecological, financial and marketing issues impacting the beef industry today. Explores the demographics, structure, challenges and segments of the beef industry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# AGR 262 Riding for Horse Training

**Prerequisite(s):** AGR 162.

This is an intermediate-level riding course with a focus on developing skills necessary for training horses. Students may ride hunt seat, stock seat, or both seats during the semester. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0                     | 4                 | Upon demand       |

# AGR 263 Intermediate Hunt Seat Equestrian Competition

**Prerequisite(s):** Permission of Instructor.

This course is for students who have a moderate amount of experience in equestrian competition in the hunt seat discipline. This course may not be taken concurrently with AGR 163. Completion of AGR 163 is recommended prior to enrolling in this course. May be repeated for a total of 2 hours. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

# AGR 264 Intermediate Stock Seat Equestrian Competition

**Prerequisite(s):** Permission of Instructor.



This course is for students who have a moderate amount of experience in equestrian competition in the stock seat discipline. Events to be covered will include horsemanship and ranch horse events. This course may not be taken concurrently with AGR 164. Completion of AGR 163 or AGR 164 is recommended prior to enrolling in this course. May be repeated for a total of 2 hours. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

## AGR 275 Forage Crop Production

**Prerequisite(s):** AGR 103 or AGR 115.

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## AGR 295 Service Learning in Agriculture

**Prerequisite(s):** 12 credit hours.

This one-hour service learning component course incorporates community service with classroom instruction in agriculture. It provides a service learning experience, addressing the practice of citizenship and promoting awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. The course may be repeated for up to three credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## AGR 297 Global Agriculture and Food Security

**Prerequisite(s):** ENG 110, COM 115 and completion of 40 credit hours.

This course presents an overview of various agriculture and food production systems around the world, including North America, South America, Asia, the European Union, the Former Soviet Union, Oceania and Africa. Students will study these systems based on the cultural,

political, economic and scientific factors that influence the countries' food security status, production abilities and consumer demands. International/Intercultural component. Meets the capstone requirement for the AS and AAS degrees in Enology, General Agriculture, General Technology and Viticulture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring, Summer    |

## AGR 299 Internship in Agriculture

**Prerequisite(s):** Instructor permission.

The Internship in agriculture is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This Internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1-3          |                       |                   | Fall, Spring, Summer |

# Allied Health Courses

## Allied Health (ALH) courses

### ALH 100 Certified Nurse Assistant

**Prerequisite(s):** Negative drug screen; clear criminal background check; **Co-requisite:** ALH 105.

Certified Nurse Assistant training prepares students for employment in a long-term care facility. Course will meet state requirements for CNA training. Upon completion student will be certified to work as a certified nursing assistant and provide patient care under the direct supervision of a registered nurse. Additional state mandated and facility mandated requirements may be required for employment depending on agency regulations. If a student passes ALH 100 but does not pass ALH 105, the student will be required to retake ALH 100 concurrently with the retake of ALH 105. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 1                     | 4                 | Spring            |

### ALH 105 Certified Nurse Assistant Clinical

**Prerequisite(s):** Negative drug screen; clear criminal background check; **Co-requisite:** ALH 100.

Certified Nurse Assistant training prepares students for employment in a long-term care facility. Course will meet state requirements for CNA training. Upon completion student will be certified to work as a certified nursing assistant and provide patient care under the direct supervision of a registered nurse. Additional state mandated and facility mandated requirements may be required for employment depending on agency regulations. This course

meets the state mandated 100 hours of OJT in a training facility with a clinical supervisor. If a student passes ALH 100 but does not pass ALH 105, the student will be required to retake ALH 100 concurrently with the retake of ALH 105. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 9                 | Spring            |

## ALH 116 Medical Terminology

A study of medical terminology including basic word structure, prefixes, suffixes, root words, compound words and abbreviations with an emphasis on spelling, pronunciation, definition, and usage. Commonly accepted abbreviations and symbols will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 3            | 3                     | 0                 | Fall, Spring, Summer |

## ALH 120 Certified Medication Technician

**Prerequisite(s):** 6 months of employment as a CNA who is listed as active on the Missouri CNA registry; Score of 8.9 or higher on both vocabulary and comprehension tests and a minimum score of 7.0 on Mathematics Concepts and Applications tests on the D level of the TABE test; Letter of recommendation by the administrator or director of nursing of the facility employer or previous facility employer. This course will certify the student as a Certified Medication Technician in the state of Missouri.

The course is prescribed by the Missouri Department of Health and Senior Services and teaches skills in medication administration of nonparenteral medications, which will qualify students to perform this procedure to assist licensed practical nurses (LPN'S) and Registered Nurses (RN'S) in medication therapy. All aspects of the course are prescribed by the DHSS. Course includes 60 classroom hours and 8 hours of clinical practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 1                 | Summer            |

## ALH 155 Emergency Medical Technology-Paramedic

**Prerequisite(s):** State Licensure as a Paramedic and successful completion of the National Registry for Emergency medical Technicians-Paramedic Exam and completion of 15 credit hours of course work at Missouri State University-West Plains.

This course gives State Licensed Paramedics who have passed the National Registry for Emergency Medical Technicians--Paramedic Exam credit toward the AAS in Allied Health

degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 32           | 20                    | 36                | Upon demand       |

# Anthropology Courses

## Anthropology (ANT) courses

### ANT 125 Exploring Our Human Ancestry

This course explores what it means to be human by tracing our biological and cultural roots. Topics include: the evolutionary process; our place among the living primates; fossil and archaeological evidence of human ancestors and the origins of language, society and culture. Partially fulfills the general education requirements in the social sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent             |
|--------------|-----------------------|-------------------|-------------------|---------------------------------------|
| 3            | 3                     | 0                 | Fall              | MOTR ANTH 101 - General Anthropology. |



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### ANT 226 Cultural Anthropology

The comparative study of human society and culture, focusing on theories of culture and cultural institutions and ethnographic and cross- cultural methods of research. Partially fulfills the general education requirements in the social sciences for the Associate of Arts degree.

| Credit hours | Lecture contact | Lab contact hours | Typically offered | CORE 42 (MOTR) |
|--------------|-----------------|-------------------|-------------------|----------------|
|--------------|-----------------|-------------------|-------------------|----------------|

|   | hours |   |        | equivalent                               |
|---|-------|---|--------|--|
| 3 | 3     | 0 | Spring | MOTR ANTH 201-<br>Cultural Anthropology. |



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# Art Courses

## Art (ART) courses

### ART 100 Two Dimensional Design

Elements and principles of two-dimensional design. Experience with a variety of media and subject matter. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

### ART 101 Three Dimensional Design

Prerequisite(s): ART 100.

Elements and principles of three-dimensional design. Experience with a variety of media and subject matter. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

### ART 115 Drawing I



Basic elements and principles of drawing. A problematic approach to the process of seeing and drawing through an applied investigation of natural and man-made forms. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                            |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 0                     | 6                 | Upon demand       | MOTR PERF 105D - Studio Art-Introduction to Drawing. |



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## ART 200 Art in Context

This course introduces the visual arts in the context of history and culture. It involves analysis of art works and introduces terminology and concepts necessary for understanding art within various cultural matrices. Does not count toward BA or BSED in Art and Design or BFA in Art or Design.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent         |
|--------------|-----------------------|-------------------|-------------------|-----------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ARTS 100 - Art Appreciation. |



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## ART 202 Intermediate Design

**Prerequisite(s):** ART 100, ART 101, ART 115, ART 215.

A presentation in greater depth of major theories of art and design with emphasis on color theory and systems. Structured studio design problems applying and investigating such theories. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 210 Introduction to Digital Imaging

**Prerequisite(s):** ART 100 or ART 110 and CIS 101 or CSC 101 or CSC 111.

Understanding the principles, methods, techniques and vocabulary of the most widely used digital imaging processes with emphasis on visual problem solving.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 212 Ceramics I

An introduction to handbuilding, wheel and firing processes, including raku. Fundamentals of ceramic materials, equipment, and preparation of clay and glazes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 215 Drawing II

Prerequisite(s): ART 115.

Continuation of drawing fundamentals in greater and exploration of additional media. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 223 Metals-Jewelry I

Prerequisite(s): ART 101.

Introduction to non-ferrous metal fabrication processes including piercing, soldering and finishing. Fundamentals of tools, materials, and jewelry concepts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 225 Painting I

Prerequisite(s): ART 100, ART 115 and ART 215.

Basic investigation of materials, techniques and visual concepts important to the process of painting. Emphasis on understanding visual elements through work which includes study from the still-life and model.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 226 Watercolor for Non-Art Majors

To acquaint the student with the essential characteristics of the materials used in watercolor painting and to familiarize the student with the techniques used in applying transparent pigment to various prepared surfaces. This course will not fulfill the requirements for a major or a minor in art.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 235 Sculpture I

**Prerequisite(s):** ART 101.

Development of fundamental and personal concepts concerning subject matter as related to sculpture. Experience with a wide range of media and techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 242 Printmaking I

**Prerequisite(s):** ART 100, ART 115 and ART 215.

Beginning problems in printmaking.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 253 Fibers

**Prerequisite(s):** ART 100.

Introduction to two and three dimensional fiber techniques and structures. Emphasis will be placed on using a variety of techniques in the execution of assigned problems. Experimental use of materials will be encouraged. May be repeated to a total of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 255 Photography I

**Prerequisite(s):** ART 100.

Basic course in black and white photography. Includes camera controls and darkroom work. Photography as visual expression.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## ART 270 Writing in Art History

**Prerequisite(s):** ENG 110 and concurrent enrollment in ART 274.

A composition class designed to provide training and experience in writing within the discipline of ART History.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## ART 274 History of East Asian Art

**Prerequisite(s):** ENG 110.

A survey of the art objects and cultures which produced them, including those of India, China and Japan.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Astronomy Courses

## Astronomy (AST) courses

### AST 113 Modern Astronomy

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars and the planets. A description of the natural laws and physical observations which are leading us to an understanding of our place in the cosmos. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent  |
|--------------|-----------------------|-------------------|-------------------|----------------------------|
| 3            | 3                     | 0                 | Upon demand       | MOTR ASTR 100 - Astronomy. |



Access the CORE 42 portal

### AST 114 Survey of Astronomy

**Prerequisite(s):** One year high school algebra or equivalent.

Same course as AST 115, except without the laboratory portion. Historical and descriptive aspects of astronomy; topics of current interest related to space science. Students may not receive credit for both AST 114 and AST 115. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent |
|--------------|-----------------------|-------------------|-------------------|---------------------------|
|--------------|-----------------------|-------------------|-------------------|---------------------------|

|   |   |   |             |                            |
|---|---|---|-------------|----------------------------|
| 3 | 3 | 0 | Upon demand | MOTR ASTR 100 - Astronomy. |
|---|---|---|-------------|----------------------------|



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## AST 115 Basic Astronomy

**Prerequisite(s):** One year high school algebra or equivalent MOTR ASTR 100L - Astronomy with Lab.

Historical and descriptive aspects of astronomy; topics of current interest related to space science. Laboratory consists of observations with telescopes and of experiments pertinent to the field. Students may not receive credit for both AST 114 and 115. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Spring            |

# Behavioral Health Support Courses

## Behavioral Health Support (BHS) courses

### BHS 200 Introduction to Behavioral Health Community Support

Students are introduced to the programs and services offered by Community Behavioral Health Centers. Skills and ethical considerations needed to work with various clients are discussed. Students are introduced to diagnosis, the recovery resiliency model, and care systems with the community support model as well as an overview of legal issues and responsibilities in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall, Spring      |

### BHS 210 Legal and Ethical Issues in Behavioral Health

**Prerequisite(s):** BHS 200.

This course examines the legal and ethical issues related to services for clients served by Behavioral Health Centers. Topics include guardianship, custody and conservatorship, client rights, fraud and abuse detention and other legal and court issues. Ethical standards,

professional and personal boundaries are discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 220 Systems of Care in Behavioral Health Clients

Prerequisite(s): BHS 200.

This course provides a holistic approach to care. Approaches that promote active participation by the client in decision making and self advocacy are examined. Techniques to motivate clients toward personal responsibility for resiliency and recovery are introduced along with the development of wellness plans and support networks.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 230 Substance Use Disorders

Prerequisite(s): BHS 210.

This course is the study of chemical use and dependency, including the cycle of addiction and recovery. Comprehensive substance use treatment and rehabilitation models in a variety of settings will be examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 240 Behavioral Health Client Interactions I

Prerequisite(s): BHS 210.

Students will be introduced to the techniques for assuring consistency, accountability and effectiveness for intake operations. Topics include the concept of intake, the purpose and types of assessment tools utilized for determining risk and treatment needs. Skills will be developed in conducting the interviews, establishing client rapport, eliciting client information, and utilization of proper clinical tools for documentation within a treatment plan.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |



|   |   |   |              |
|---|---|---|--------------|
| 3 | 3 | 0 | Fall, Spring |
|---|---|---|--------------|

## BHS 250 Chronic Health Care Issues

**Prerequisite(s):** BHS 230.

this course presents the pathophysiology and treatment of chronic diseases including diabetes, hypertension, COPD and various other common diseases. Unique patient groups in relation to specific disability, disease and /or restrictive issues are identified as well as typical medication and treatment protocols.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 260 Family and Youth Issues

**Prerequisite(s):** BHS 230.

this course will examine family dynamics and problem patterns within the family unit. Family and youth interventions and problem prevention will be addressed. The Community Support role in family intervention is explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 270 Client Interactions II

**Prerequisite(s):** BHS 230.

This course examines techniques of working with others for collaboration, conflict resolution, crisis intervention and de-escalation. Listening and responding skills will be practiced along with developing skills to manage the dynamic differences presented by the clients and the communities served. Challenging client issues will be presented and resolutions examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 280 Evidence Based Treatment

**Prerequisite(s):** BHS 250.

This course will introduce students to cognitive behavioral therapy, parent management training, parent-child interaction therapy, and other evidence based practices. The types of medications commonly prescribed for emotional, personal, and physical disorders will be identified along with the requirement of administering and observing self-administration of medications.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## BHS 291 Field Practicum I

**Prerequisite(s):** Co-requisites of BHS 230 and BHS 240.

Course is a field placement designed to provide a student with 90 hours of observation and practical experience in a behavioral health community center of similar agency or provider. Classroom time will compare and contrast how various populations are being served and how agencies collaborate and integrate services to meet client needs. Passing a background check and drug test is required for this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0                     | 2                 | Fall, Spring      |

## BHS 292 Field Practicum II

**Prerequisite(s):** Co-requisites of BHS 250, BHS 260, BHS 270.

This course provides students with 135 hours of practical experience in Behavioral Health Centers. Students participate in intake, assessment and treatment planning and learn how to conduct functional behavioral intervention plans and make informed decisions when working with clients having behavioral health issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 9                 | Fall, Spring      |

## BHS 293 Field Practicum III

**Prerequisite(s):** Co-requisites of BHS 280.

Course provides student with 135 hours of practical experience in Community Behavioral Health Centers and other community service agencies. Students will gain experience working with a variety of client populations facing a variety of behavioral issues. They will gain

experience in how agencies coordinate and integrate treatment and how a comprehensive individualized treatment plan is developed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 9                 | Fall, Spring      |

# Biology Courses

## Biology (BIO) courses

### BIO 100 Biological Science for Educators

**Prerequisite(s):** Prerequisite(s): Appropriate placement score or a grade of C or better in ENG 101.

An introduction to the unifying principles of biology and the processes of scientific investigation using an inquiry approach. Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary and middle school science lessons. This course is open only to early childhood, elementary, middle school and special education majors. Will fulfill a natural science component of the general education requirement for the associate of arts degree. Does not count for credit towards a major or minor in biology. Students not meeting prerequisite must have permission by department to enroll. Students receive credit toward graduation for only one of BIO 100, BIO 101. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent  |
|--------------|-----------------------|-------------------|-------------------|--|
| 4            | 3                     | 3                 | Fall, Spring      | MOTR BIOL 100LT - Essentials in Biology (Non-Science Majors) with Lab. |



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# BIO 101 Biology in Your World

**Prerequisite(s):** Prerequisite(s): Appropriate placement score or a grade of C or better in ENG 101.

Unifying principles of biology from the molecular through ecosystems level. Partially fulfills the general education requirements in the natural sciences. (Does not count for major or minor in biology). A student taking BIO 100 or BIO 101 receives credit toward graduation for only one of the courses. Additional course work will be required for the student taking this as an Honors course, and a B grade or higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                                   |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR BIOL 100 - Essentials in Biology (Non-Science Majors). |



Access the CORE 42 portal

# BIO 111 Understanding Biological Systems Through Inquiry

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101, or a grade of C or better in BIO 100 or BIO 101 or BIO 121 or BMS 110 or concurrent enrollment in any of those four courses.

Organisms are studied from their behavioral, ecological, hereditary and evolutionary perspectives. Students will develop skills of gathering information about science, reasoning scientifically from that information and synthesizing responses to questions based upon that information in order to explain biological phenomena. May be taken concurrently with BIO 101. Students taking BIO 100 or BIO 101 receive credit toward graduation for only one of the courses. Additional course work will be required for the student taking this as an Honors course, and a B grade or higher must be earned in order for the student to receive an Honors designation. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent   |
|--------------|-----------------------|-------------------|-------------------|---|
| 1            | 0                     | 2                 | Fall, Spring      | MOTR BIOL 100L - Essentials in Biology with Lab (Non-Science Majors). |



Access the CORE 42 portal

# BIO 121 General Biology I

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101 and placement in MTH 130 or higher, or a grade of C or better in MTH 103 and placement into ENG 110, or a grade of C or better in ENG 100.

First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of structure and function at the molecular and cellular level, genetics and evolution. Students not meeting prerequisite must have permission by department to enroll. Partially fulfills the general education requirements in the natural sciences. This course may not be taken pass/not pass. A grade of C or better in this course is a prerequisite for enrollment in BIO 122. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent          |
|--------------|-----------------------|-------------------|-------------------|------------------------------------|
| 4            | 3                     | 3                 | Fall, Spring      | MOTR BIOL 150L - Biology with Lab. |



Access the CORE 42 portal

# BIO 122 General Biology II

**Prerequisite(s):** Recommended completion of BIO 121 with a grade of C or better, concurrent enrollment in BIO 121 with a grade of C or better in BIO 101, BMS 110, ENG 110, MTH 136.

Second half of 2-semester introductory biology sequence for Biology majors and minors. Introduction to the biology of organisms including evolutionary history, diversity, structure and function of major taxa; and ecology. This course may not be taken pass/not pass. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 3                 | Spring            |

# BIO 197 Selected Topics in Biology

**Prerequisite(s):** Permission of Instructor.

Course devoted to a biologic topic current interest. Provided the topics are different, the course may be repeated to a total of 4 credit hours. Credit for this course cannot be applied to the minimum requirements of a major or minor in biology, nor the general education (natural sciences) requirement. Course fee (variable by section).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4          |                       |                   | Upon demand       |

# BIO 205 Life Science for Middle School

**Prerequisite(s):** BIO 100 or BIO 101.

Processes of science using the inquiry approach with reference to society, technology, and decision-making. Content covers cellular biology, plant and animal structure and function, ecology and environmental biology. Does not count for credit toward a major or minor in biology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 3                 | Spring            |

# BIO 210 Elements of Microbiology

**Prerequisite(s):** BIO 101 and BIO 111 or BIO 121 or BMS 110 or BMS 267 or BMS 268; and CHM 116 and CHM 117 or CHM 160 or prior acceptance into the West Plains ASN program.

Public health aspects of microbiology, particularly causes and control of infectious diseases, immunology, sterilization and disinfection, and food and water bacteriology. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# BIO 215 Introduction to the Diversity of Life

**Prerequisite(s):** BIO 100, BIO 101, BIO 121 or BMS 110.

Introduction to the diversity in structure and function of protists, fungi, plants, and animals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 3                 | Upon demand       |

# BIO 235 Genetics

**Prerequisite(s):** BIO 121 or BMS 110 and CHM 116/117 or CHM 160/161 (recommended) or higher and MTH 136, MTH 138, or MTH 261.

Concepts of classical, molecular and population genetics, genomics, biotechnology and epigenetics. Laboratory emphasis is on the chemical characteristics and in vitro manipulation of nucleic acids. Course fee.

| <b>Credit hours</b> | <b>Lecture contact hours</b> | <b>Lab contact hours</b> | <b>Typically offered</b> |
|---------------------|------------------------------|--------------------------|--------------------------|
| 4                   | 3                            | 2                        | Upon demand              |



# Biomedical Science Courses

## Biomedical Science (BMS) courses

### BMS 110 Introduction to the Biomedical Sciences

**Prerequisite(s):** Eligibility for both ENG 110 and MTH 135.

An Introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in majors within the College of Health and Human Services on the Missouri State Springfield campus and those students interested in pre-professional programs and allied health careers. Students will receive credit toward graduation for only one of the following: BMS 100 or 110. Additional course work will be required for the student taking this as an Honors course, and a grade of B or better must be earned in order for the student to receive Honors designation. May not be taken Pass/Not Pass. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                |
|--------------|-----------------------|-------------------|-------------------|--|
| 4            | 3                     | 2                 | Fall, Spring      | MOTR LIFS 150L - Human Biology with Lab. |



Access the CORE 42 portal

# BMS 111 Introductory Laboratory in Biomedical Sciences

**Prerequisite(s):** BIO 101 and eligibility for both ENG 110 and MTH 136.

This course is identical to the laboratory portion of BMS 110 and is designed for students who require intensive introductory laboratory experience to prepare for future work in the biomedical sciences. Cannot receive credit for both BMS 110 and BMS 111. May not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Fall, Spring      |

# BMS 197 Selected Topics in Biomedical Sciences

Course devoted to a biomedical topic of current interest. Provided the topics are different, the course may be repeated to a total of 4 credit hours. Credit for this course cannot be applied to the minimum requirements of a major or minor in biology, nor the general education (Natural World) requirement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4          |                       |                   | Upon demand       |

# BMS 221 Anatomy & Physiology I

**Prerequisite(s):** BMS 110.

The first course of a two-semester sequence. Topics include anatomical terminology, homeostatic mechanisms, basic biochemistry, cellular biology, histology, the structure and function of the integumentary, skeletal, muscular, and nervous systems. This course includes a laboratory component to cover these topics from a laboratory perspective.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

# BMS 222 Anatomy & Physiology II

**Prerequisite(s):** BMS 221.

The second course of a two-semester sequence. Covers the structure and functions of the following systems: special senses, endocrine, circulatory, lymphatic, immune, respiratory,

digestive, urinary, and reproductive. Nutrition and metabolism are also covered; This course includes a laboratory component to cover these topics from a laboratory perspective.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

## BMS 230 Human Genetics

**Prerequisite(s):** Grade of C or better in BMS 110 or BIO 121.

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of this course requires students to read, report on, and discuss current topics in human genetics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## BMS 231 Human Genetics w/Laboratory

**Prerequisite(s):** Grade of C or better in BMS 110 or BIO 121.

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of the course requires students to research, report on, and discuss current topics in human genetics. The laboratory emphasis is on techniques and skills that expand the understanding of genetic concepts. Cannot receive credit for both BMS 230 and BMS 231. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Spring            |

## BMS 232 Human Genetics Laboratory

**Prerequisite(s):** BMS 230.

This course is identical to the laboratory portion of BMS 231 and is designed for students who require laboratory experience in genetics to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 231 and 232. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Spring            |

# BMS 267 Human Anatomy

**Prerequisite(s):** Grade of C or better in BMS 110 or BIO 121.

Lecture and laboratory study of selected human cells, tissues, organs and organ systems. Mammalian examples of various systems studied in laboratory. Credit will only be awarded once for BMS 267. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Fall, Spring      |

# BMS 268 Human Physiology

**Prerequisite(s):** Grade of C or better in BMS 110 or BIO 121 and a grade of C or better in CHM 116 and CHM 117; or CHM 160; or prior acceptance into the West Plains ASN program.

A lecture and laboratory study of mechanisms for maintaining homeostasis in the human organism. Topics covered include cellular structure and function, neurophysiology, metabolism, endocrinology, cardiovascular, pulmonary, renal and gastrointestinal physiology. Emphasis is on cellular and molecular mechanisms of physiology. Credit will only be awarded once for BMS 268. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Fall, Spring      |

# Business Courses

## Business (BUS) courses

### BUS 135 Introduction to Business

A survey of business which includes an evaluation of the social and economic environment in which it operates, followed by a look at business organization, management, finance, accounting, production, marketing, insurance, law, and data processing. Designed to serve three groups of students--those majoring in other departments who would like to develop a broad understanding of business through a single course; those who are undecided about a major and would like to explore business as a possibility; and those freshman planning a major in some area of business who would like a broad understanding of business in order to make a specific selection of their major. A declared major in the College of Business Administration who has accumulated more than 30 semester hours of credit at the time of enrollment in the course will not receive credit for the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

### BUS 170 Business and Professional Ethics

An introduction to ethics focusing on traditional ethical theory and practical application to contemporary issues faced by professional. Through this course, students will examine the importance of developing an ethical structure prior to facing an ethical dilemma in the professional environment.

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|--|--|--|--|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## **BUS 180 Associate Professional Human Resources (aPHR)**

This course provides an introduction to key principles, policies, and practices of human resource management, with a focus on understanding the tactical and operational tasks related to workforce management and the human sources function. This course prepares students for the Associate Professional Human Resources (aPHR) certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## **BUS 200 Topics in General Business**

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Examples are "Personal Budgeting, Residential Home Construction, Insurance for the Family, Personal Credit Management, and Business Ethics." May be repeated to a total of 5 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## **BUS 280 Professional Human Resources/Senior Professional Human Resources (PHR/SPHR)**

This course provides extensive information on all roles and responsibilities of the human resources function. In addition to providing exposure and awareness of those guidelines and concepts, the course will focus on helping participants develop the critical thinking skills necessary to solve complex and multi-dimensional human resource management problems. This course prepares students for the Professional Human Resources (PHR) or the Senior Professional Human Resources (SPHR) certification exams.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# BUS 297 International Business

**Prerequisite(s):** ENG 110, COM 115 and completion of 40 credit hours.

International and cross-cultural study of business decisions, markets, and enterprises, globalization of industries, international business transactions and strategies, international monetary system and currency issues, and international economic policies and issues. This course also includes an instructional component on basic concepts of financial literacy, responsible planning and necessary financial skills. Students must submit a portfolio in this course. International/Intercultural component. Meets the capstone requirement for the AAS degrees in Business, Computer Technology, Computer Graphics and Programming, Enology, Entrepreneurship, General Agriculture, General Technology, and Viticulture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

# Child & Family Development Courses

## Child & Family Development (CFD) courses

### CFD 110 Health, Safety and Nutrition

Introduces curriculum, regulations, standards, policies, procedures and current trends related to health, safety and nutrition of children and families. Recognize and create safe environments for children, universal precautions and menu planning to meet the nutritional needs of children. Emphasis placed on integrating and maintaining optimal health, safety, and nutritional concepts in every day planning and program development for all children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

### CFD 130 Essentials of Nutrition

Fundamental principles of nutrition and diet for physical fitness. Dietary needs of age group. Cultural aspects of nutrition. May not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |



## CFD 140 CDA Credential Preparation & Observation

This introductory course provides an overview of the early childhood program and career opportunities. The course covers the eight subject areas of the Child Development Associate (CDA) credential. Characteristics and needs of young children are explored including the preparation of environment and curriculum. Strategies for observation, assessment, instruction and guidance techniques are examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 2                 | Upon demand       |

## CFD 150 Introduction to Child and Family Development

The scope of this course is a study of the field of child and family development. Professional opportunities and analysis of personal proficiencies will be the focus.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## CFD 155 Principles of Human Development

CBE. Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span. Licensed Practical Nurses who have been admitted to the LPN-to-RN program may receive advanced credit for NUR 101.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                    |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 3                     | 0                 | Upon demand       | MOTR PSYC 200 - Life Span Human Development. |



Access the CORE 42 portal

# CFD 160 Principles of Development in Early Childhood

**Prerequisite(s):** Before first day of classes submit to CFD Department Lab Coordinator required documentation, satisfactory background check, proof of negative tuberculin skin test, and registration with MO Family Care Safety Registry, (Findings that prevent a student from participating in a licensed/ accredited child care center will disqualify the student from completion of this course).

Development of the child from conception through 8 years of age including weekly laboratory experience with preschool children through an approved accredited/licensed program are required. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

# CFD 163 Relationship in Today's Family

Personal and family living in the early stages of family life cycle. Concepts and methods used in initiating, building, maintaining and enriching relationships.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# CFD 197 Intoductory Topics in Child and Family Development

Variable content course for introductory concepts in Child and Family Development. May be repeated to a total of 6 hours when topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# CFD 204 Leadership and Advocacy for Children and Families

This course will explore the essential skills needed to effectively lead and advocate on behalf of agencies, organizations and volunteer efforts that focus on children and families.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

|   |   |   |        |
|---|---|---|--------|
| 3 | 3 | 0 | Spring |
|---|---|---|--------|

## CFD 244 Working with Young Children with Special Needs

The historical, philosophical and legal aspects related to identifying and meeting the needs of diverse learners. Developmentally appropriate curricular and instructional adaptations for young children and their families will be identified.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CFD 250 Parenting in Contemporary Society

Explores parenting and child rearing in today's society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CFD 255 Principles of Development in Infancy

**Prerequisite(s):** Before first day of classes submit to CFD Department Lab Coordinator required documentation, satisfactory background check, proof of negative tuberculin skin test, and registration with MO Family Care Safety Registry.

(Findings that prevent a student from participating in a licensed/ accredited child care center will disqualify the student from completion of this course.) Child development from conception through two years, including prenatal environment. Weekly laboratory experiences through an approved/licensed infant-toddler child development program required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## CFD 257 Principles of Development in Middle Childhood

Development of the child from 6 through 12 years in cognitive, physical, social, emotional

aspects. Contact with groups of children in this age range is arranged.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Summer            |

## CFD 260 Supervised Experience in Child Development Laboratories

**Prerequisite(s):** Grade of C or better in CFD 160, Before first day of classes submit to CFD Department Lab Coordinator required documentation, satisfactory background check, proof of negative tuberculin skin test, and registration with MO Family Care Safety Registry (Findings that prevent a student from participating in a licensed/accredited child care center will disqualify the student from completion of this course), Instructor permission.

Experience in applying the most effective techniques for maximum growth in the physical, social, emotional and mental development of the whole child. Influences of a safe and healthful environment upon the child's development are emphasized. Weekly child development laboratory/ field site experiences through an approved accredited/licensed program are required. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 2                     | 4                 | Upon demand       |

## CFD 261 Play as Development

A study of play and its relationship to children's physical cognitive, language, moral, social, emotional, and gender role development, and how environments can be designed to facilitate learning through play. Adults' role in facilitating and enhancing play of typical and atypical children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CFD 275 Behavior Management & Guidance

The course focuses on developmentally appropriate strategies and communication techniques to facilitate, guide, manage, and cope with behaviors when working with children at different stages of development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## CFD 297 Internship in Planning and Implementing Curriculum for Child Development Centers

**Prerequisite(s):** ENG 110, COM 115, MTH 103 or higher, completion of 40 credit hours and a grade of C or better in CFD 160, CFD 260, Instructor Permission, Before first day of classes submit to CFD Department Lab Coordinator required documentation, satisfactory background check, proof of negative tuberculin skin test, and registration with MO Family Care Safety Registry (Findings that prevent a student from participating in a licensed and accredited child care center will disqualify the student from completion of this course).

Planning and implementing curriculum to meet the cognitive, emotional, physical, creative and social development needs of the young child. International and cross-cultural study of curriculum models, diversity and global issues related to the education of young children. Students will be required to participate in the end of program exam and must submit a student learning portfolio. Weekly laboratory/field site experiences through an approved accredited/ licensed program are required. This course meets the capstone requirement for the AAS degree in Child and Family Development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 2                     | 6                 | Upon demand       |

## CFD 298 Child & Family Development Capstone

**Prerequisite(s):** Completion of 40 hours, Instructor permission and CFD documentation required.

The course will help prepare students for child and family development careers. Workplace essential skills will be addressed, including ethics, professionalism and career preparation. Students must submit a student learning portfolio and participate in end of program exam. Course meets the capstone requirement for the AA in Child and Family Development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# Consumer & Family Studies Courses

## Consumer & Family Studies (CFS) courses

### CFS 120 Family Health

Current trends in family health care and home nursing care; practice in the laboratory.  
Course Fee

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Upon demand       |

# Computer Graphics & Programming Courses

## Computer Graphics & Programming (CGP) courses

### CGP 110 Game Development I

**Prerequisite(s):** Eligible for MTH 111 or higher and ENG 110 or higher or departmental permission.

Introduction to concepts of digital design and development. Working independently as well as in a team, students will learn to develop and design gameplay for digital game production. Students must earn a grade of C or better in CGP 110 to progress into CGP 220. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

### CGP 115 Game Art Drawing I

Basic elements and principles of game art drawing. a problematic approach to the process of seeing and drawing through an applied investigation of natural and man-made forms. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 2 | 2 | Fall |
|---|---|---|------|

## CGP 118 Mythology & Folklore in Media

Students will study myths, legends, and folklore from around the world, and learn of their impact and influence on stories, games, and film.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## CGP 125 Digital and Physical Sculpting

This course provides an introduction to techniques and processes used in modeling three dimensional characters or other objects. The course is divided into two parts. During the first half of the semester students will complete four projects utilizing polymer clay. During the second half of the semester students will complete four projects utilizing the computer program Mudbox. Each half semester will culminate in a complex project that will require the development and execution of a plan in order to be successful. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 145 Introduction to Computer Programming

**Prerequisite(s):** Eligible for MTH 111 or higher and eligible for ENG 100 or ENG 101 or higher, or departmental permission.

An introduction to and an overview of elementary computer programming. Topics will include variables, calculations and data manipulation, decision- making, loops, printing, and graphics. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

## CGP 150 Introduction to Digital Graphics

Using a variety of software programs, students will explore the creation of materials and textures used in 2D/3D game environments. Images and textures will be created from scratch, scanned and manipulated as needed. Course fee.



| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 155 Web Game Development

**Prerequisite(s):** Grade of C or better in CGP 145 or departmental permission.

A comprehensive introduction to the key concepts of web game development. Students will learn how to develop interactive applications for deployment to the internet and mobile devices. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CGP 160 Introduction to 3D Modeling and Animation

**Prerequisite(s):** Eligible for MTH 111 or higher and eligible for ENG 100 or ENG 101 or departmental permission.

Students will explore basic 3D modeling, animation, unwrapping, texturing, and game engine exporting techniques. While completing individual modeling assignments students will develop a theme or collection of objects both static and animated that will be imported into an industry standard game engine thus developing a final project. Students must earn a grade of C or better in CGP 160 to progress into CGP 250. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CGP 170 3D Game Environments

**Prerequisite(s):** Grade of C or better in CGP 150 and CGP 160 or departmental permission.

Students learn 3D modeling and texturing concepts as related to 3D game environments. Using industry standard modeling, texturing, and game engine software, students learn to create realistic textures from photo sources and a variety of techniques to portray their game worlds. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 175 Game Design

This is an introductory course to the concepts of game development and design through the use of card and board games. This course will provide practical, hands on experience with game prototyping, mechanics, theme and overall design. Students will design and develop their own card or board game as a final project. No prior experience is required to take this course. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## CGP 180 Introduction to Multimedia Audio

Students learn introductory skills needed to create multimedia audio using a variety of software tools. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 197 Special Topics in Computer Graphics and Programming

A variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if the topics differ, credits may count toward any degree. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## CGP 200 Mobile Game Development with Unity

**Prerequisite(s):** Grade of C or better in CGP 145 and CGP 110 or CGP 160 or departmental permission.

An introduction to the process of mobile game development based upon the Unity game engine. Students learn to develop game applications targeted at mobile operating systems such as Apple's IOS and Google's Android platform. Includes theory, concepts, and hands-on programming. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CGP 210 SQL Database Management

**Prerequisite(s):** Grade of C or better in CIS 260 or CGP 255 or departmental permission.

Study of database management concepts and techniques using SQL. Emphasis on important aspects of SQL for retrieving and storing information in a relational database. Additional topics include focusing on the SQL syntax used by Microsoft SQL Server, Oracle Database, and MySQL. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CGP 220 Game Development II

**Prerequisite(s):** Grade of C or better in CGP 110, CGP 250 and CGP 255 or departmental permission.

Continued study of concepts of video game design and development. Working independently as well as in a team, students will learn to develop and design game-play for video game production. Additionally, students will work independently or as a team to research and plan the development of their CGP 297 Capstone Project. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CGP 250 3D Character Modeling and Animation

**Prerequisite(s):** Grade of C or better in CGP 160.

Students will explore 3D character modeling, animation, unwrapping, texturing, and game engine exporting techniques. While completing individual assignments students will develop a character of their own design that will be imported into an industry standard game engine thus developing a final project. Students must earn a C or better in CGP 250 to progress into CGP 260. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# CGP 255 Graphics Programming I

**Prerequisite(s):** Grade of C or better in CGP 145.

Introduction to key concepts of graphics programming. Student will create programming projects using 2D & 3D graphics. Students must earn a C or better in CGP 255 to progress into CGP 265. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# CGP 260 Advanced 3D Modeling and Animation

**Prerequisite(s):** Grade of C or better in CGP 250.

Students will continue exploration of 3D modeling, animation, unwrapping, texturing, and game engine exporting techniques. Students will further refine character modeling and animation techniques to create characters, models and animations that will be imported into an industry standard game engine thus developing a final project. Students must earn a C or better in CGP 260 to progress into CGP 297. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# CGP 265 Graphics Programming II

**Prerequisite(s):** Grade of C or better in CGP 255.

Intermediate concepts of graphics programming Students will create programming projects using 2D & 3D graphics. Includes an introduction to game engines. Students must earn a grade of C or better in CGP 265 to progress into CGP 267. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# CGP 270 Virtual Media Entrepreneurship

**Prerequisite(s):** Grade of C or better in CGP 220 or departmental permission.

Introduces the concepts of being a virtual media entrepreneur. Students will learn basic

marketing and Promotional techniques for selling their virtual media theory, concepts, and hands on projects are a part of the class. This course assumes previous course work in developing virtual media background.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 297 Computer Graphics and Programming Capstone

**Prerequisite(s):** Completion of 40 credit hours including CGP 220, CGP 260, CGP 265, ENG 221, MTH 111, MTH 112, and MTH 113 or higher (except MTH 197 or 297), IDS 110.

Independent design and development of a Computer Graphics and Programming project in a field of the student's choice, with the instructor's approval. These projects can be individual or team projects. A unit of instruction relating to globalization of and in the Game Industry will occur. This course provides a culminating experience for the general education program and includes some non-course educational experiences. Students will be required to participate in university assessment activities and must submit a student learning portfolio.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CGP 299 Internship in Computer Graphics and Programming

**Prerequisite(s):** 24 credit hours or equivalent experience.

The Internship in computer graphics and programming is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skill development in a professional setting. This Internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Chinese Courses

## Chinese (CHI) courses

### CHI 101 Elementary Chinese I

CBE. Essentials of grammar through aural-oral practice, dictation, reading, and writing. Course conducted in Mandarin Chinese as far as practicable. International/Intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

### CHI 102 Elementary Chinese II

**Prerequisite(s):** Grade of C or better in CHI 101.

Continuation of CHI 101. International/ Intercultural component. Students who have not taken CHI 101 but have proficient skills in the Chinese language may petition the course instructor for permission to take this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

# CHI 201 Intermediate Chinese I

**Prerequisite(s):** Grade of C or better in CHI 102.

Continuation of CHI 102 with emphasis on reading, conversation, and an introduction to Chinese history and culture. International/Intercultural component. Students who have not taken CHI 102 but have proficient skills in the Chinese language may petition the course instructor for permission to take this course. CBE.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

# CHI 202 Intermediate Chinese II

**Prerequisite(s):** Grade of C or better in CHI 201.

Continuation of CHI 201 with emphasis on reading, conversation, history, and culture. International/Intercultural component. Students who have not taken CHI 101 but have proficient skills in the Chinese language may petition the course instructor for permission to take this course. CBE.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

# CHI 297 Special Topics in Chinese Studies

Topics of selected interest in Chinese studies. Studies including travel-courses to Chinese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course. International/intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Chemistry Courses

## Chemistry (CHM) courses

### CHM 101 Chemical Topics

For non-science majors: a single topic of contemporary, historical, or theoretical significance. Topics may vary each semester; course may be repeated any number of times provided the same topic is not retaken. Variable Content-Variable Credit Course. Will count toward satisfying the Natural Science requirement when taken for 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

### CHM 116 Fundamentals of Chemistry

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101 and eligibility for MTH 103 or higher.

Concurrent enrollment in CHM 117 is highly recommended. Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry (CHM 116 will not count toward a chemistry major or minor.) Students not meeting prerequisite must have permission by department to enroll. A grade of C or better is required in this course in order to take CHM 200. This course may not be taken pass/not pass. Additional course work will be required for the student taking this as an Honors course, and a grade of B or better must be earned in order for the student to receive an Honors designation.



| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    | CORE 42 (MOTR) equivalent                |
|--------------|-----------------------|-------------------|----------------------|--|
| 4            | 4                     | 0                 | Fall, Spring, Summer | MOTR CHEM 100 - Essentials in Chemistry. |



Access the CORE 42 portal

## CHM 117 Fundamentals of Chemistry Laboratory

Prerequisite(s): CHM 116 or concurrent enrollment.

Laboratory component emphasizing fundamentals and applications covered in CHM 116. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    | CORE 42 (MOTR) equivalent   |
|--------------|-----------------------|-------------------|----------------------|---|
| 1            | 0                     | 2                 | Fall, Spring, Summer | MOTR CHEM 100L - Essentials in Chemistry with Lab (Non-Science Majors). |



Access the CORE 42 portal

## CHM 160 General Chemistry I

Prerequisite(s): Appropriate placement score or a grade of C or better in ENG 101 and eligibility for MTH 136 or higher.

Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most pre-professional students. Concurrent registration in CHM 161 is highly recommended. A grade of C or better is required in this course in order to take CHM 170, CHM 171 or CHM 200. This course may not be taken pass/not pass. Additional course work will be required for the student taking this as an Honors course, and a grade of B or higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    | CORE 42 (MOTR) equivalent    |
|--------------|-----------------------|-------------------|----------------------|------------------------------|
| 4            | 4                     | 0                 | Fall, Spring, Summer | MOTR CHEM 150 - Chemistry I. |



Access the CORE 42 portal

## CHM 161 General Chemistry I Laboratory

**Prerequisite(s):** CHM 160 or concurrent enrollment in CHM 160.

An introduction to laboratory chemistry employing principles and techniques that reflect material presented in CHM 160, e.g., synthesis, stoichiometry, physical studies, and data manipulation and interpretation. A grade of C or better is required in this course in order to take CHM 171. May not be taken Pass/Not Pass. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent              |
|--------------|-----------------------|-------------------|-------------------|--|
| 1            | 0                     | 2                 | Fall              | MOTR CHEM 150L - Chemistry I with Lab. |



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## CHM 170 General Chemistry II

**Prerequisite(s):** Grade of C or better in CHM 160.

Emphasis on reaction kinetics, chemical equilibrium, precipitation reactions, acid-base theory, and oxidation-reduction reactions. Concurrent registration in CHM 171 is highly recommended. This course may not be taken Pass/Not Pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## CHM 171 General Chemistry II Laboratory

**Prerequisite(s):** CHM 170 or concurrent enrollment in CHM 170 and a grade of C or better in CHM 160 and CHM 161.

An introduction to laboratory chemistry employing principles and techniques that reflect material presented in CHM 170, e.g., physical studies on kinetics and equilibria of aqueous systems, qualitative and quantitative analysis, and data manipulation and interpretation. May not be taken Pass/Not Pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |        |
|---|---|---|--------|
| 1 | 0 | 3 | Spring |
|---|---|---|--------|

## CHM 197 Selected Topics in Chemistry

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## CHM 200 Essentials of Organic Chemistry

**Prerequisite(s):** CHM 116 (lecture) and CHM117 (lab).

Principles of organic chemistry and biochemistry. Students not meeting prerequisite must have permission by department to enroll. Does not apply toward a chemistry major or minor if the student passes CHM 310. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 4                     | 3                 | Fall              |

## CHM 80 Chemical Calculation

Introduction to types of chemical calculations including the metric system, gas laws, pH, percentage, graphing. This is an optional course for students who anticipate having trouble with the chemical calculations in CHM 160, or 170. Does not count toward chemistry major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# Computer Information Systems Courses

## Computer Information Systems (CIS) courses

### CIS 100 Introduction to Computers

This course provides students with an introduction to computers, including basic computer functions; file management basic troubleshooting; using operating systems; Internet navigation; overview of Microsoft Office Word, Excel, PowerPoint and Outlook. Students may not receive credit for both CIS 100 and WES 170.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

### CIS 101 Computers for Learning

Use of the computer including the use of operating systems, e-mail, surfing the Web, word processor software, desktop publishing, presentation software, and spreadsheet software. Course may be waived by proficiency exam. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# CIS 110 Microsoft Office Word 1

This course provides an introduction to Microsoft Office Word. Students will learn how to complete basic tasks using Word, including how to create and manage documents; format text, paragraphs and sections; create tables and lists; apply references; insert and format objects. The course content aligns with the requirements for the Microsoft Office Specialist Word certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# CIS 111 Microsoft Office Word 2

**Prerequisite(s):** CIS 110.

This course provides an introduction to Microsoft Office Word. Students will learn how to complete basic tasks using Word, including how to create and manage documents; format text, paragraphs and sections; create tables and lists; apply references; insert and format objects. The course content aligns with the requirements for the Microsoft Office Specialist Word certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# CIS 112 Microsoft Office Excel 1

This course provides an introduction to Microsoft Office Excel. Students will learn how to complete basic tasks using Excel, including how to create and manage worksheets and workbooks; create cells and ranges; create tables; apply formulas and function; create charts and objects. The course content aligns with the requirements for the Microsoft Office Specialist Excel certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# CIS 113 Microsoft Office Excel 2

**Prerequisite(s):** CIS 112.

This course provides an introduction to Microsoft Office Excel. Students will learn how to complete intermediate level tasks using Excel, including how to manage and share worksheets and workbooks; apply custom formats and layouts; create advanced formulas; create advanced charts and tables. The course content aligns with the requirements for the Microsoft Office Specialist Excel Expert Parts 1 and 2 certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## CIS 114 Microsoft Office PowerPoint

This course provides an introduction to Microsoft Office PowerPoint. Students will learn how to complete basic tasks using PowerPoint, including how to create and manage presentations; insert and format shapes and slides; create slide content; apply transitions and animations; manage multiple presentations. The course content aligns with the requirements for the Microsoft Office Specialist PowerPoint certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## CIS 115 Microsoft Office Outlook

This course provides an introduction to Microsoft Office Outlook. Students will learn how to complete basic tasks using Outlook, including how to manage the Outlook environment; manage messages; manage schedules; manage contacts and groups. The course content aligns with the requirements for the Microsoft Office Specialist Outlook certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## CIS 116 Microsoft Office Access

This course provides an introduction to Microsoft Office Access. Students will learn how to complete basic tasks using Access, including how to create and manage a database; build tables; create queries; create forms; create reports. The course content aligns with the requirements for the Microsoft Office Specialist Access certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |             |
|---|---|---|-------------|
| 1 | 1 | 0 | Upon demand |
|---|---|---|-------------|

## CIS 117 Microsoft Office SharePoint

This course provides an introduction to Microsoft Office SharePoint. Students will learn how to complete basic tasks using SharePoint including how to create and manage content; manage SharePoint sites; participate in user communities; configure and use site search results. The course content aligns with the requirements for the Microsoft Office Specialist SharePoint certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## CIS 195 Introduction to Desktop Publishing

Introduction to Desktop Publishing concepts and applications.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CIS 197 Introductory Topics in Computer Information Systems

Variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## CIS 200 Critical and Creative Thinking Using Information Technology

**Prerequisite(s):** Grade of C or better in CIS 101.

Students learn and apply techniques that support critical and creative thinking when solving individual and public policy problems using information technology. Case studies with

applied, real-world examples are used throughout in support of the public affairs mission of the university. Instructional methods include lecture, discussion, demonstration, guided practice and technology-supported collaboration. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CIS 201 Computer Applications/Business

**Prerequisite(s):** Grade of C or better in CIS 101 or departmental permission.

A study of the use and applications of computer information systems concepts in business and public organizations. The course emphasizes the use of spreadsheet software to plan, analyze, design, develop and test business solutions. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## CIS 205 Website Design and Development

**Prerequisite(s):** Grade of C or better in CGP 145, or CGP 145 concurrently or departmental permission.

A study of the design and development of websites using HTML editors (such as Microsoft Visual Studio or Adobe Dreamweaver), graphics packages and multimedia packages. The student will learn to create and deploy professional-grade websites. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## CIS 235 Computer Hardware & Operating Systems

Introduction to computer hardware and operating systems. Topics include components of a computer, the Windows operating system, and the Linux operating system. Students may not receive credit for both CIS 235 and TEC 235. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |



# CIS 260 Application Development I

**Prerequisite(s):** Grade of C or better in CGP 145 or placement into MTH 136 or departmental permission.

Introduction to the key concepts of object technology and the fundamentals of the Java programming language. Projects using Java involve the development of elementary applications.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# CIS 290 Advanced Microcomputer Applications

**Prerequisite(s):** Grade of C or better in CIS 101 or departmental permission.

Emphasis on problem-solving activities using advanced applications such as word processing, desktop publishing, database, graphics, and multimedia. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# CIS 295 Database Management Systems Concepts

Study of database design, development and management concepts and techniques. Emphasis on data modeling using entity-relationship and /or UML diagrams. Discussion and application of SQL to develop and query databases.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# CIS 299 Internship in Computer Information Systems

**Prerequisite(s):** Instructor permission.

The internship in computer information systems is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity

to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1-3          |                       |                   | Fall, Spring, Summer |

# Communications Courses

## Communications (COM) courses

### COM 110 Critical Thinking

This course seeks to enhance the students' skills and abilities in analyzing, synthesizing, and evaluating information and to assess those versatile and fundamental skills that are essential to responsible decision-making. There will be an integration of problem-solving and critical thinking with communication skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

### COM 115 Fundamentals of Public Speaking

Honors eligible course. Principles of public speaking. Preparation and delivery of speeches. Emphasis on informing and persuading audiences. The Honors component would be a project prepared by the student that would result in a 30 to 60 minute program to educate the audience on a topic approved by the instructor. The program would be presented to a live audience or over community cable. A grade of B or higher must be earned in order for the Honors Program student to receive the Honors (H) designation on his/her transcript.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent |
|--------------|-----------------------|-------------------|-------------------|---------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR COMM 110 -           |



Access the CORE 42 portal

## COM 197 Selected Topics in Communication

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than 6 credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## COM 205 Interpersonal Communication Theory and Skills

Theory and practice in the principles and skills of interpersonal communication within a variety of contexts. Representative topics include: perception; self-concept development; verbal and nonverbal communication; effective listening techniques; conflict resolution; and sensitivity to cultural and gender differences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                     |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall              | MOTR COMM 120 - Interpersonal Communications. |



Access the CORE 42 portal

## COM 209 Survey of Communication Theory

A survey of selected theoretical approaches to understanding mediated and non-mediated human communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |             |
|---|---|---|-------------|
| 3 | 2 | 1 | Upon demand |
|---|---|---|-------------|

# COM 260 Intercultural Communication

**Prerequisite(s):** COM 115 and completion of 40 credit hours.

This course of study will provide students with an introduction to intercultural communication, with an emphasis on practical application and skills for everyday life.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Criminal Justice Courses

## Criminal Justice (CRM) courses

### CRM 210 American Criminal Justice System

An overview of the American criminal justice system, its functions, problems and potential solutions. This course is a pre-requisite for upper division criminology and criminal justice courses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

### CRM 220 Criminology

This course examines the nature and various dimensions of criminality through the lens of the social and behavioral sciences. Historical and contemporary explanations of crime rooted in a range of biological, psychological, and sociological perspectives are explored as well as their implications for individuals, social systems, and organizations. Students will learn how various institutions have experimented with and adopted crime-reduction policies and practices over time.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CRM 250 Police in American Society

This course examines the history, structure and function of law enforcement as a means of addressing behavior which violates the law. Problems faced law enforcement and solutions to those problems are also discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CRM 260 Criminal Law and the Courts

This course examines the basic principles, processes, and structures found in adult criminal courts in the United States and Missouri. The course also examines the nature and development of criminal law from the Common Law to its current state nationwide, with an emphasis on current Missouri criminal law.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CRM 270 Institutional and Community-Based Corrections

A course designed to critically examine the various social control responses to delinquent and criminal behavior. Includes the history, philosophies, and practices of American corrections and an evaluation of the advantages and disadvantages of each societal/correctional response. Problems in the field of corrections and related solutions are also examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## CRM 297 Criminology Capstone

**Prerequisite(s):** ENG 110 and completion of 40 credit hours.

This course will help prepare students for criminology careers. Essential workplace skills will be addressed, including ethics, professionalism and career preparation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

|   |   |   |             |
|---|---|---|-------------|
| 1 | 1 | 0 | Upon demand |
|---|---|---|-------------|

## CRM 299 Internship in Criminology

**Prerequisite(s):** Instructor permission.

The internship in criminology is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |



# Computer Science Courses

## Computer Science (CSC) courses

### CSC 125 Introduction to C++ Programming

**Prerequisite(s):** Grade of C or better in CGP 145 - Introduction to Computer Programming or Placement into MTH 136 - Pre-Calculus: Algebra or higher.

Programming and problem-solving using C++. Language constructs for assignment, flow control, input/output and functions are studied and applied. Techniques of object-oriented programming are introduced.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

### CSC 130 The World of Computer Science

A broad overview of computer science, with topics ranging from the basic structure of a computer to artificial intelligence. Students will use a high-level language to investigate and implement solutions to problems in a range of fields. Suitable for non-majors who want to learn more about computer science.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

# CSC 131 Computational Thinking

**Prerequisite(s):** Grade of C or better in CSC 130 and eligible for MTH 261.

Solving problems using computation and implementing solutions in a high-level programming language. Introduction to problem analysis, solution design, data structures, and algorithms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

# CSC 197 Special Topics in Computer Science

A variable content learning module consisting of lecture, discussion, studio projects, and/or field projects that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated for up to 6 credit hours if the topics differ.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# CSC 232 Data Structures

**Prerequisite(s):** Grade of C or better in CSC 131 and MTH 261 or concurrent enrollment.

A continuation of CSC 131. Topics will include: algorithm design; complexity analysis; abstract data types and encapsulation; basic data structures and their application, including stacks, queues, linked lists and binary trees; dynamic memory allocation; recursion; sorting and searching; debugging techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

# CSC 244 Computer Architecture

**Prerequisite(s):** CSC 131.

An overview of computer architecture, which stresses the underlying design principles and the impact of these principles on computer performance. General topics include digital logic circuits, digital components, data representation, basic computer organization, processor design, pipelining, vector processing, input-output organization, and memory organization.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

# Design Courses

## Design (DES) courses

### DES 202 Graphic Design Systems

**Prerequisite(s):** ART 100 and ART 101 and ART 215.

Abstract and theoretical applications of design systems including grid information, various symmetries, and printed page formats.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

### DES 210 Introduction to Computer Graphics

**Prerequisite(s):** ART 100, ART 101, ART 115 and ART 215, or CIS 101.

An introduction to methods of image creation and visual communication via available computer graphic software packages. Emphasis will be placed on the use of the computer as a production tool for graphic designers.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

# Economics Courses

## Economics (ECO) courses

### ECO 101 Economics of Social Issues

This course focuses on understanding and analyzing major contemporary social issues such as globalization, pollution, poverty, income distribution, taxes, social security, the appropriate role of government, etc. Students will be introduced to the basic tools of economics so that they can develop a general framework within which a variety of political, social and economic issues can be analyzed. Issues will be discussed from a national, regional and local perspective.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                  |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 3                     | 0                 | Upon demand       | MOTR ECON 100 - Introduction to Economics. |



Access the CORE 42 portal

### ECO 155 Principles of Macroeconomics

**Prerequisite(s):** Appropriate placement score or a grade of C or higher in ENG 100.

This course prepares the student to understand the economic structure of the United States and its place in the world economy, to interpret common economic measures, to understand

the processes of governmental fiscal and monetary policies and to evaluate individual decision-making from an economic perspective.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                       |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ECON 101 - Introduction to Macroeconomics. |



Access the CORE 42 portal

## ECO 165 Principles of Microeconomics

**Prerequisite(s):** Appropriate placement score or a grade of C or higher in ENG 100.

Basic principles of economics with a particular emphasis on the nature and application of those bearing on decision making within a household, firm or industry: including consideration of problems respecting the composition and pricing of the national output, distribution of income, pricing and output of factors of production and foreign trade.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                       |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ECON 102 - Introduction to Microeconomics. |



Access the CORE 42 portal

## ECO 197 Selected Topics in Economics

A variable credit lecture/discussion and/or lab course. Content varies with topics identified in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Education Courses

## Education (EDU) courses

### EDU 150 Introduction to Teaching

May be taken concurrently with EDU 202. An introduction to the teaching profession including an introduction to teaching standards and the professional portfolio process, observations, projects and information designed to aid students entering the teaching profession.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

### EDU 202 Teaching Profession Field Experience

**Prerequisite(s):** ENG 110.

This course provides students an opportunity to observe teaching and learning for thirty (30) hours or more in P-12 classrooms. Students are introduced to the requirements for teacher preparation and certification. Students will examine characteristics of effective teaching. The course is designed to assist students in determining if a career in teaching is an appropriate goal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## EDU 250 Foundations of American Education

This course will examine historical, philosophical, political, economic, and legal foundations of American public education systems. The nature of school environments, design, organization of school curricula, characteristics of effective schools/instruction in grades K-12, educational structures, practices, and projections for the future will be studied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## EDU 251 Education Practicum Internship

This course will involve a field experience whereby the student will observe/assist a teacher in the regular classroom. Workshops, field trips and guest lecturers will complete the fulfillment of the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 1                     | 4                 | Upon demand       |

## EDU 258 Comprehensive School Health Education

Methods, activities, materials, and knowledge base necessary to enable classroom teachers to effectively teach and support a comprehensive program of school health.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## EDU 260 Educational Psychology

**Prerequisite(s):** PSY 121.

This course is designed as an introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement and individual differences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|



|   |   |   |              |
|---|---|---|--------------|
| 3 | 3 | 0 | Fall, Spring |
|---|---|---|--------------|

## EDU 265 Educational Applications of Technology and Media

**Prerequisite(s):** EDU 202 and either CIS 101 or CIS 101 waiver exam.

Principles and techniques for selection and utilization of computer and video as well as other basic forms of media and technology. The class combines research, instructional design, equipment operation and materials production in lecture and laboratory settings to prepare teachers to be reflective decision makers on proper methods of using technology in teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## EDU 297 Rural Education in a Global Society

**Prerequisite(s):** Completion of 40 credit hours including COM 115, ENG 110, ENG 210, or ENG 221, MTH 130 or higher (except MTH 197), and IDS 110; or completion of 40 credit hours including COM 115, ENG 110, ENG 210, or ENG 221, IDS 110 and concurrent enrollment in MTH 130 or higher (except MTH 197); or 40 credit hours including COM 115, ENG 110, IDS 110, MTH 130 or higher (except MTH 197), and concurrent enrollment in ENG 210 or ENG 221.

This is a capstone course for students seeking the Teacher Completion Program or AAT and provides an understanding of rural education and generational poverty essential in the preparation of effective teachers. This course will provide an introduction to the teaching profession, the economics of rural life and rural education and strategies for effectively dealing with generational poverty as it pertains to education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1-3          |                       |                   | Fall, Spring, Summer |

# Engineering Courses

## (EGR) courses

### EGR 100 Careers in Engineering

Exploration of career opportunities in engineering and technology. Professional and ethical expectations for engineers will be covered. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall              |

### EGR 110 Introduction to Engineering Design

Introduction to engineering design, including problem clarification, concept generation and selection, prototyping methods, engineering ethics and design communication techniques. Computer aided design (CAD) tools and software applications for engineers, including Excel and MATLAB, are introduced to assist in design analysis and process. Students will participate in a group project as part of this course. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# EGR 170 Introduction to Small Unmanned Aircraft

This course introduces students to small unmanned aircraft systems (drones). Topics include FAA Part 107 regulations, selecting hardware and software, legal considerations, risk management, and how to start and manage a small unmanned aircraft system business. A hands-on flight lab is included as a part of this course. At the end of this course, students will have the information to take the Remote Pilot Knowledge Certification Exam. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# EGR 197 Special Topics in Engineering

A variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if the topics differ; however, no more than six credits may count toward any degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# EGR 270 Small Unmanned Aircraft Systems Technologies in Practical Applications

**Prerequisite(s):** EGR 170.

This course introduces students to small unmanned aircraft systems (sUAS). Topics include selection and use of current sUAS hardware and software platforms, including thermal imaging, agricultural use, aerial mapping, surveillance and other practical applications. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# EGR 297 Engineering Capstone

**Prerequisite(s):** ENG 110 and completion of 40 hours.

This course will help prepare students for engineering careers. Technical skills and essential workplace skills will be addressed, including engineering ethics, professionalism and career

preparation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## EGR 299 Internship in Engineering

**Prerequisite(s):** Instructor permission.

The internship in engineering is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# English Courses

## Directed Self-Placement for Writing Classes

Except for student veterans and students enrolling in dual-credit or dual-enrollment courses, Missouri State University-West Plains no longer uses a placement exam to determine students' eligibility for college English courses. Instead, students complete a Directed Self-Placement Survey assessing their past writing experience and their confidence in their current writing skills. Based on the results of this survey, students receive advice about the entry-level course in which they should enroll. It is highly recommended that students follow given advice. Inappropriate self-placement may increase the time it takes to complete a certificate or degree and may interfere with financial aid. For further information see the [Directed Self-Placement explanation](#).

## English (ENG) courses

### ENG 100 Introduction to College Composition

**Prerequisite(s):** Completion of Directed Self Placement Survey, and AAappropriate placement score .Required of some students as determined by scores on placement tests or a student's self-placement survey.

This course is an introduction to the university's composition sequence. Special attention will be given to identifying the subject, purpose and audience of each composition produced, the processes that lead to finished compositions and the numerous elements within sentences and paragraphs that combine to create whole compositions. May be taken Pass/Not Pass (P/NP). Students who take the course P/NP will receive a P only if their course grades equal a grade of C or higher. Students must earn a grade of C or higher in ENG 100 to pass and progress into ENG 110.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## ENG 100A Introduction to College Composition (ALP)

**Prerequisite(s):** Completion of Directed Self Placement Survey and Appropriate placement score .

One of two paired courses that make up ALP, ENG 100A is an introduction to the university's composition sequence. Special attention will be given to identifying the subject, purpose and audience of each composition produced, the processes that lead to finished compositions and the numerous elements within sentences and paragraphs that combine to create whole compositions. Graded Pass/Not Pass only. Students enrolled in ENG 100A must also be concurrently enrolled in ENG 110A.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall, Spring      |

## ENG 101 Integrated Reading and Writing

**Prerequisite(s):** Completion of Directed Self-Placement Survey and Appropriate placement score.

This course will satisfy the requirements for English 100. The purpose of this course is to prepare students for English 110 and increase their reading proficiency for all other content courses. Students will engage in the reading and writing processes. They will also learn how to independently read and understand academic texts, and critically respond to the ideas presented in those texts via well-organized, coherent written essays. Required of first-year students who score 13-14 on their reading ACT subscore and whose directed self-placement survey recommends ENG 100. Students must receive a grade of C or better in this courses in order to progress to ENG 110. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Fall, Spring      |

## ENG 110 Writing I

**Prerequisite(s):** Grade of C or better in ENG 100, ENG 100A or ENG 101 or completion of Directed Self-Placement Survey and appropriate placement score.

An introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating and synthesizing

information in an analytical and ethical manner. The emphasis in writing develops students understanding of the ways writers generate and express ideas of different purposes to various kinds of audiences across a range of context, including social, academic and professional. Students work on argumentation, rhetorical analysis and editing for clarity, style and conventions. A grade of C or better is required in this course in order to take ENG 210 or ENG 221. Students may not receive credit for both ENG 110 and ENG 110A.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    | CORE 42 (MOTR) equivalent      |
|--------------|-----------------------|-------------------|----------------------|--------------------------------|
| 3            | 3                     | 0                 | Fall, Spring, Summer | MOTR ENGL 100 - Composition I. |



Access the CORE 42 portal

## ENG 110A Writing I (ALP)

**Prerequisite(s):** Completion of Directed Self Placement Survey and Appropriate placement score .

One of two paired courses that make up ALP (Accelerated Learning Program), ENG 110A is an introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating and synthesizing information in an analytical and ethical manner. The emphasis in writing develops students' understanding of the ways writers generate and express ideas of different purposes to various kinds of audiences across a range of context, including social, academic and professional. Students work on argumentation, rhetorical analysis and editing for clarity, style and conventions. Students enrolled in ENG 110A must also be concurrently enrolled in ENG 100A and must earn a grade of C or better to progress to ENG 210 or ENG 221. Students may not receive credit for both ENG 110 and ENG 110A.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent      |
|--------------|-----------------------|-------------------|-------------------|--------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ENGL 100 - Composition I. |



Access the CORE 42 portal

## ENG 184 Mini Literature

Topics in literature, such as detective fiction, Missouri writers, new fiction. Check current registration schedule for topics offered. Course may be repeated, provided topic and title are different, to a maximum of 6 hours. Will satisfy part of the general education requirement in Humanities. Variable Content Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## ENG 190 Language Skills

Development of specific writing skills in selected areas of composition, such as sentence grammar and structure, punctuation and capitalization, spelling, diction and dictionary use, outlining and organization. Not a composition course. Check current registration schedule to determine topics being offered. Course may be repeated, provided topic and title are different, to a maximum of 3 hours. Will not satisfy the general education requirement in English. Variable Content Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Fall, Spring      |

## ENG 197 Selected Topics in English

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## ENG 200 Great Books and Instant Classics

The works that society calls its 'great books' tell us much about how the society views itself. Popular forms of linguistic expression, though sometimes less celebrated, similarly reflect a culture's sense of itself. Examining a range of texts, time-honored and otherwise, from numerous critical perspectives, this course explores how literatures reflect the values of the societies that create and enjoy them.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                   |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR LITR 100 - Introduction to Literature. |





Access the CORE 42 portal

## ENG 203 Creative Writing: Poetry

**Prerequisite(s):** Grade of C or better in ENG 110.

Introduction to the theory, technique and terminology of writing poetry, and practical experience in writing in the form. Students who earned a D in ENG 110 may appeal to the department chair for admission to this course through a portfolio of work.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## ENG 205 Creative Writing: Nonfiction

**Prerequisite(s):** Grade of C or better in ENG 110.

An introduction to writing creative nonfiction, including critical reading in the genre.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## ENG 210 Writing II: Academic Writing

**Prerequisite(s):** Grade of C or better in ENG 110.

Study practice of the discourse conventions of academic writing about public affairs from the perspective of an educated person. Preparation for writing within disciplines. Additional course work will be required for students taking as an Honors course, and a 'B' grade or higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent       |
|--------------|-----------------------|-------------------|-------------------|---------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ENGL 200 - Composition II. |



Access the CORE 42 portal

# ENG 215 Creative Writing:Short Story

**Prerequisite(s):** Grade of C or better in ENG 110.

Introduction to the theory, technique and terminology of short story writing, and practical experience in writing in the form. Students who earned a grade of D in ENG 110 may appeal to the department chair for admission to this course through a portfolio of work.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# ENG 220 Exposition

**Prerequisite(s):** Grade of C or better in ENG 110.

Problems in exposition and persuasion; elementary logic, critical reading.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# ENG 221 Writing II: Writing for the Professions

**Prerequisite(s):** Grade of C or better in ENG 110.

Students apply discipline-specific knowledge to a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions. Projects emphasize developing skills in audience analysis, including multicultural considerations; analytical reading; critical thinking; research methods and clear writing, with attention to the ethical dimensions of workplace writing. Additional course work will be required for students taking this as an Honors course, and a grade of B or better must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent       |
|--------------|-----------------------|-------------------|-------------------|---------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR ENGL 200 - Composition II. |



Access the CORE 42 portal

# ENG 225 Creative Writing:Playwriting

**Prerequisite(s):** Grade of C or better in ENG 110.

Problems in playwriting. Students who earned a D in ENG 110 may appeal to the department chair for admission to this course through a portfolio of work.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# ENG 230 Introduction to Reading in Literature

**Prerequisite(s):** ENG 110.

Reading and enjoying poetry, fiction and drama written in English. Writing will be required on the works read. Taught for non-literature majors. Not open for credit on any English degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# ENG 231 Major Writers of English

**Prerequisite(s):** ENG 110.

Study of characteristic writing by important American and/or British authors. Writing will be required on the works read. Taught for non-literature majors. Not open for credit on any English degree. Additional course work will be required for students taking this class as an Honors course, and a B grade or higher must be earned in order to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# ENG 232 Ozarks Writers

**Prerequisite(s):** ENG 110 or instructor permission.

Study of characteristic works by significant Ozarks writers. Writing will be required on the works read. Taught for non-literature majors. Not open for credit on any English degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |             |
|---|---|---|-------------|
| 3 | 3 | 0 | Upon demand |
|---|---|---|-------------|

## ENG 234 Literature for Children and Young Adults

Prerequisite(s): ENG 110.

Study of various genres-poetry, picture books, traditional stories, fiction and non-fiction appropriate for early childhood and elementary and middle school grades; criteria for selection. Satisfies requirement for Early Childhood and Elementary Certification at Missouri State University, Springfield.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## ENG 235 Critical Approaches to Literature

Prerequisite(s): ENG 110.

Writing analytical papers employing a variety of critical methods of reading and interpreting poetry, fiction, and drama.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## ENG 236 Minorities in Literature

Prerequisite(s): ENG 110.

Study of characteristic literary works by African American, Hispanic American, Native American and other minority authors. Variable content course. May be repeated to a total of 6 hours if the topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                 |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Upon demand       | MOTR LITR 105 - Multicultural Literature. |



Access the CORE 42 portal

# ENG 280 Short Story

Prerequisite(s): ENG 110.

Analysis and appreciation of the short story and the study of its development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# ENG 283 Folklore and Cultural Engagement

Prerequisite(s): Grade of C or better in ENG 110.

Reading and examination of folklore as national or international cultural holding material will serve to introduce research methods of the discipline and major genres of folklore: folk narrative, folk song and material culture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# ENG 285 Subjects in Folklore

Prerequisite(s): ENG 110.

Reading and examination of folklore, as folk art and as cultural holding material; study may focus on types (such as myths, legend, fairy tales) ; groups (such as miners, cowboys, railroaders) ; or regions (such as Ozarks, New England or Scandinavia) . Student requests will considered. Variable Content Course. May be repeated to a total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# ENG 288 Literature of Work: Readings in Professions

Prerequisite(s): ENG 110.

The use of literary texts to explore the personal, cultural, and philosophical issues raised by work in the professions. This course is reading and writing intensive. An honors component,

requiring additional research and writing, is available.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## ENG 289 Literature, Culture, Conflict

This course explores how literature imagines cultural identities, conflicts within and between cultural groups and efforts to resolve these conflicts. For the purposes of this course, culture will be understood in terms of such categories as nation, region, language, race, ethnicity, religion, social class, family structure, gender, sexuality, age and disability. Through the critical analysis of literature and through personal reflection on literary texts, students will learn to recognize, describe and understand their own and others' cultures, the histories of these cultures and their divergences and convergences. Students will also consider how knowledge of multiple cultures can form a foundation for ethical decision-making and action in a variety of public arenas. Appropriate for students in all majors.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## ENG 296 Introduction to English Linguistics

**Prerequisite(s):** ENG 110.

Introduction to fundamental concepts of linguistic theory as they apply to languages of the world, especially English. Areas covered include phonology, morphology, syntax, and semantics, and some applied areas, such as language variation, change, and acquisition, disorders, and language and culture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Entrepreneurship Courses

## Entrepreneurship (EPR) courses

### EPR 110 Introduction to Entrepreneurship

This course introduces students to the requirements for starting and operating a successful business. Students will learn how to assess the business environment and identify potential viable business opportunities. Business start-up, planning, organization, management, marketing, accounting, and financing are also covered in this practical course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

### EPR 130 Sales and Customer Service

This course helps students learn the skills necessary to serve as an effective interface between customers and the organization offering products and/or services. Emphasis is placed on the development of communication skills that enhance and establish long-term customer relationships. Effective sales techniques and presentations will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## EPR 150 Marketing with Social Media

This course will present social media marketing strategies for a small or start up business. Students will be introduced to a variety of social media platform and will learn how to use each platform in business and marketing applications.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## EPR 170 Business Ethics

This course will challenge the student to heighten ethical conscience as an individual as well as within an organizational structure. Students will be challenged to develop a personal system of integrity, professionalism, and honesty while understanding the ethical paradigms of others. Through this course, students will examine the importance of developing an ethical structure prior to facing an ethical dilemma. This course will focus on ethics as a lifelong commitment, regardless of environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## EPR 197 Special Topics in Entrepreneurship

A variable content learning module consisting of lecture, discussion, studio projects, and/or field projects that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated up to 6 hours if the topics differ.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## EPR 210 Employee Management and Supervision

An introduction to the leadership skills required for managers and supervisors, including how to effectively establish goals, organize departments, recruit, hire, and train employees, establish and supervise teams, appraise employee performance, make decisions, resolve conflicts, and communicate.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |



## EPR 290 Business Plan Development

This course is appropriate for students interested in starting their own business or students who already own a business and are interested in growing that business. Students interested in starting their own business will learn how to evaluate a business concept, develop a marketing plan, prepare the financial projects for their business concept and develop a sound business plan. Students who already own a business will learn how to make sound business decisions to take their business to the next level of operation. Students will also be able to identify and evaluate various resources available for funding a business.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## EPR 295 Service Learning in Entrepreneurship

**Prerequisite(s):** 12 credit hours.

This one-hour service learning component course incorporates community service with classroom instruction in entrepreneurship. It provides a service learning experience, addressing the practice of citizenship and promoting awareness of and participation in public affairs. It includes 40 hours of service benefitting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. The course may be repeated for up to three credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## EPR 299 Internship in Entrepreneurship

**Prerequisite(s):** 24 credit hours or equivalent experience.

The internship in entrepreneurship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives the students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

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|-----|--|--|----------------------|
| 1-3 |  |  | Fall, Spring, Summer |
|-----|--|--|----------------------|

# Environmental Science Courses

## Environmental Science (ENV) courses

### ENV 105 Environmental Science

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101.

The study of global geological cycles, biodiversity trends, human population dynamics, sustainable land and water usage, pollution impacts, energy challenges, climate change and future predictions for a cooperative global effort toward a habitable planet. The course includes a laboratory component. Partially fulfills the general education requirements in the natural sciences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent   |
|--------------|-----------------------|-------------------|-------------------|---|
| 4            | 3                     | 2                 | Fall, Spring      | MOTR BIOL 100LEV - Essentials in Biology (Non-Science Majors) with Lab. |



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# Food and Culinary Arts Courses

## Food and Culinary Arts (FCA) courses

### FCA 150 Culinary Arts I

This course provides students with the knowledge and skills required for employment in the food service and hospitality fields. Students will learn the basics of sanitation and food safety, equipment use and maintenance, food display and presentation and catering. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 12           | 12                    | 0                 | Upon demand       |

### FCA 155 Culinary Arts II

Prerequisite(s): FCA 150.

This course provides students with the knowledge and skills required for employment in the food service and hospitality fields. Students will learn the basics of sanitation and food safety, equipment use and maintenance, food display and presentation and catering. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 12           | 12                    | 0                 | Upon demand       |

## FCA 160 Culinary Arts

**Prerequisite(s):** Grade of C or better in an approved 900-1050 clock hour career center program and completion of 12 credit hours of course work at Missouri State University-West Plains.

This course is the result of an articulation agreement with the South Central Career Center and Ozark Mountain Technical Center. This course provides students with the knowledge and skills required for employment in the food service and hospitality fields. Students will learn the basics of sanitation and food safety, equipment use and maintenance, food display and presentation and catering. Students must attain a grade of C or better in the applicable course work in the 900 clock hour program at the South Central Career Center or the 1050 clock hour program at Ozark Mountain Technical Center.. Similar courses at other institutions will be evaluated on an individual basis. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains. This course may be repeated subsequently or taken concurrently for a total of 24 credits for 900 and 1050 clock hour programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 12           | 12                    | 0                 | Upon demand       |

## FCA 297 Culinary & Hospitality Management Capstone

**Prerequisite(s):** ENG 110 and completion of 40 credit hours. This course will help prepare students for culinary and hospitality careers.

Essential workplace skills will be addressed, including ethics, professionalism and career preparation. Students must submit a learning portfolio.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1            | 1                     | 0                 | Fall, Spring, Summer |

## FCA 299 Internship in Culinary and Hospitality

**Prerequisite(s):** Instructor permission.

The Internship in culinary and hospitality management is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This Internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

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| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Finance Courses

## Finance (FIN) courses

### FIN 266 Principles of Real Estate

**Prerequisite(s):** 24 credit hours.

An introduction to the study of real estate. Topics covered include legal aspects of real property, real estate, financing, appraisal, brokerage, land-use control, property management, and investing in real estate.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# French Courses

## French (FRN) courses

### FRN 101 Elementary French I

Essentials of French language emphasizing the development of speaking, listening, reading and writing within a culturally relevant context.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent |
|--------------|-----------------------|-------------------|-------------------|---------------------------|
| 3            | 3                     | 1                 | Upon demand       | MOTR LANG 101 - French I. |



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### FRN 102 Elementary French II

**Prerequisite(s):** Grade of C or better in FRN 101.

Continuation of FRN 101.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent  |
|--------------|-----------------------|-------------------|-------------------|----------------------------|
| 3            | 3                     | 1                 | Upon demand       | MOTR LANG 102 - French II. |





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## FRN 297 Special Topics in French

**Prerequisite(s):** Instructor Permission.

Topics of selected interest in French studies, including travel-courses to French-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Fire Science Courses

## Fire Science (FST) courses

### FST 100 Basic Fire Fighter

This course will provide recruit fire fighters with the basic knowledge and skills necessary to function as safe and effective members of a fire department. Topics include orientation and communication, firefighter safety, fire behavior, breathing apparatus, ladders, hose and nozzles, water supply and pump operations, forcible entry and ventilation, salvage and overhaul, rescue and fire control. Meets NFPA 1001 standards.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

### FST 102 Hazardous Materials Awareness and Operations

Awareness topics include the laws and standards of hazardous materials, identifying placards and containers, recognizing the presence of hazardous materials, understanding material safety data sheets and shipping papers, using the Emergency Response Guidebook. Operations topics include an overview of hazardous materials, risk assessment, basic monitoring, decontamination, estimating likely harm and risks, and determining the options of intervention and non-intervention. Meets NFPA 472 standards. Credit may be awarded to persons who complete the requirements for the Hazardous Materials Awareness and Operations Certification and pass the requirement state examinations issued by the

Missouri Department of Public Safety, Division of Fire Safety. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## FST 106 Fire Fighter I and II

**Prerequisite(s):** FST 102.

Topics include orientation, fire fighter safety, fire behavior, building construction, alarm and communication, breathing apparatus, portable fire extinguishers, forcible entry, ladders, ropes, hose, nozzles, appliances, fire streams, water supply, ventilation, salvage and overhaul, sprinkler systems, emergency medical care, rescue, fire control, protecting fire cause evidence, fire prevention and education. Meets NFPA 1001 standards. Credit may be awarded to persons who complete the requirements for the Fire Fighter I and Fire Fighter II Certifications and pass the requirement state examinations issued by the Missouri Department of Public Safety, Division of Fire Safety. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 8            | 8                     | 0                 | Upon demand       |

## FST 210 Fire Service Instructor I

This course covers the presentation skills needed by new instructors. Topics include lesson plan preparation, presentation skill, using audiovisual equipment, identifying learning objectives, questions, tests, evaluation instruments, scheduling training sessions, and the supervision/coordination of the activities of other instructors. Meets NFPA 1041 standards. Credit may be awarded to the persons who complete the requirements for the Fire Service Instructor I Certification and pass the requirement state examinations issued by the Missouri Department of Public Safety, Division of Fire Safety. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University- West Plains.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## FST 260 Fire Officer I

**Prerequisite(s):** FST 210.

This course will explore the fire officer's role in effective communication, organization, management, and the management of resources, leadership, personnel safety, fire prevention, investigation, and preplanning and the incident safety officer's role in emergency response situations. Meets NFPA 1021 standards. Credit may be awarded to persons who complete the requirements for the Fire Service Instructor I Certification and pass the requirement state examinations issued by the Missouri Department of Public Safety, Division of Fire Safety. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## FST 265 National Incident Management Systems

This course introduces the National Incident Management System (NIMS), ICS 300 Intermediate Incident Command System for Expanding Incidents and ICS 400 Advanced Incident Command System, Command and General Staff Complex Incidents. ICS 300 topics covered include unified command, incident assessment and incident objectives; the planning process; incident resource management, demobilization and transfer of command. ICS 400 topics include complex incident management, area command and multi-agency coordination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## FST 270 Fire Service Instructor II

**Prerequisite(s):** FST 210.

Topics include developing lesson plans, learning objectives, instructional aids, and evaluation instruments, how to schedule training sessions and how to supervise and coordinate other instructors. Meets NFPA 1041 standards. Credit may be awarded to persons who complete the requirements for the Fire Service Instructor II Certification and pass the requirement state examinations issued by the Missouri Department of Public Safety, Division of Fire Safety. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

# Geology Courses

## Geology (GLG) courses

### GLG 110 Principles of Geology

How Earth works. The building blocks of Earth: minerals and rocks. Earth's dynamic interior: plate tectonics, earthquakes, volcanism and mountain building. Surface processes associated with streams, ground water, glaciers, wind and shorelines. Laboratory instruction in identification of common minerals and rocks, the use of topographic maps and landform identification from topographic maps. Optional weekend field trips. Partially fulfills the general education requirements in the natural sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent          |
|--------------|-----------------------|-------------------|-------------------|------------------------------------|
| 4            | 3                     | 2                 | Spring            | MOTR GEOL 100L - Geology with Lab. |



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### GLG 115 Life of the Past

Origin, evolution and major extinctions of life forms set in the context of 3.5 billion years of earth history. Discussion of plants, invertebrate animals and vertebrates (emphasizing dinosaurs and mammals). Laboratory exercises acquaint the student with representatives of the major fossil groups. Optional fossil collecting trip. Credit may not be applied toward any

major or minor in geology. Partially fulfills the general education requirements in the natural sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

## GLG 171 Environmental Geology

Treats those aspects of geology that interface directly with humanity. Past, present and future of geologic hazards, geologically related environmental health problems, mineral resources and energy resources. Human dependence on geologic resources is examined and interrelated with the problems of humanity. Field trips required. Partially fulfills the general education requirements in the natural sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Upon demand       |

## GLG 197 Popular Topics in Geology

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geology background. Examples: Earthquakes and Volcanoes, Rocks and Minerals, Caves and Karst, etc. Students should check the current registration schedule to determine the topic title for an given semester. Because topics vary, this course may be repeated, with permission of the instructor to a total of 5 credits. Credits may not be counted toward any major or minor in Geology. Variable Content Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# German Courses

## German (GRM) courses

### GRM 101 Elementary German I

Credit By Examination. The primary goal of GRM 101 is to help students develop proficiency in the four communications skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

### GRM 102 Elementary German II

**Prerequisite(s):** Grade of C or better in GRM 101.

The primary goal of GRM 102 is to help students develop additional proficiency in the four communication skills: listening, reading, speaking, and writing. These skills are essential to effective communication in the target language. Students who have not taken GRM 101 but have proficient skills in the German language may petition the course instructor for permission to take this course. Credit By Examination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

# GRM 201 Intermediate German I

**Prerequisite(s):** Grade of C or better in GRM 102.

The primary goal of GRM 201 is the systematic review, expansion, and synthesis of the four skill areas. Communicative skills will be enhanced by providing a thorough review of fundamentals of grammar through real life language use, reading, and composition. Credit-by-examination is available. Credit By Examination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# GRM 202 Intermediate German II

**Prerequisite(s):** Grade of C or better in GRM 201.

Continuation of the development of the four skills through conversation, composition and readings as a means to access culture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# GRM 297 Special Topics in German

Topics of selected interest in German studies, including travel-courses to German-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated as topics change to a maximum of 6 credit hours. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |



# Geography Courses

## Geography (GRY) courses

### GRY 100 World Regional Geography

A survey of the world's geographic regions focusing on the location of Earth's major physical features, human populations and cultures, and their interactions. Topics include natural systems, globalization, ethnic and geopolitical conflicts and human impacts upon the environment. This course provides both an introduction to geography as a discipline and a basic geographic foundation for those interested in current international issues, politics, history and public affairs. Partially fulfills the general education requirements in the social sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                 |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR GEOG 101 - World Regional Geography. |



Access the CORE 42 portal

### GRY 108 The Principles of Sustainability

Multidisciplinary problem study of population pressures, environmental degradation, and socio-political perils and opportunities, through an integrated approach. Partially fulfills the

general education requirements in the social and behavioral sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## GRY 110 Economic Geography

Location, distribution, and extent of world economic activity. Topics include resource extraction, agriculture, manufacturing, retailing and services.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## GRY 135 Atmospheric Science

An introductory survey of the earth's weather climate. A description of the physical processes of the atmosphere is followed by a survey of the world's varied climatic regions. The laboratory involves the preparation and interpretation of meteorological data and the classification of climates. Partially fulfills the general education requirements in the natural sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

## GRY 142 Introductory Physical Geography

A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses. Partially fulfills the general education requirements in the social sciences for the associate of arts degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                     |
|--------------|-----------------------|-------------------|-------------------|---|
| 4            | 3                     | 2                 | Fall, Spring      | MOTR GEOG 100L - Physical Geography with Lab. |



Access the CORE 42 portal

## GRY 197 Selected Topics in Geography

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geography background. Examples: Geography of the Home Community, Geography of Energy Resources, Geography of Sport. Students should check the current class schedule to determine the topic title for any given semester. Since topics will vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable Content Course. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## GRY 240 Earth Science for Teachers

Open to Early Childhood, Elementary, and Middle School Majors. A course designed to give students an understanding of the processes of science and the basic concepts of earth science using the inquiry approach in hands-on laboratory activities. Content includes maps, earth in space, weather and climate, soils and vegetation, rocks and minerals, landforms, processes of landform development, water resources, environmental relationship to the physical setting. Does not apply toward the major in Secondary Education. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 2                     | 4                 | Spring            |

# Health Information Technology Courses

## Health Information Technology (HIT) courses

### HIT 100 Introduction to Health Information Technology

**Prerequisite(s):** Concurrent enrollment in ENG 110, unless already completed.

This course provides the opportunity for the investigation of career opportunities, ethics, history and functions of health information technology. The course also provides an overview of the organization of healthcare delivery. It introduces basic concepts and terminology, security, privacy and organization of healthcare in the US.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

### HIT 110 Diagnosis Coding I

**Prerequisite(s):** ALH 116 and HIT 180.

This course introduces the student to current regulations and established guidelines in clinical classification systems. The student will learn to apply primary and secondary

diagnosis codes according to current guidelines, evaluate the accuracy of diagnosis coding, determine accuracy of computer assisted coding assignment and recommend corrective action, analyze current regulations and established guidelines in clinical classification systems, identify discrepancies between supporting documentation and coded data. The course will cover ICD-10-CM.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 140 Pathopharmacology for Health Information Technology

**Prerequisite(s):** HIT 100.

Student receives an introduction to basic pharmacology concepts and drug categories as related to current coding guidelines. Emphasis is placed on commonly used drugs and their effects on body systems, dosages and routes of administration. Utilization of drug references included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 150 Outpatient Procedure Coding

**Prerequisite(s):** HIT 140 and HIT 180.

This course introduces the student to current regulations and established guidelines in clinical classification systems. The student will learn to apply procedure codes according to current guidelines, evaluate the accuracy of procedural coding, determine accuracy of computer assisted coding assignment and recommend corrective action and analyze current regulations and established guidelines in clinical classification systems and identify discrepancies between supporting documentation and coded data. Additional topics include: place of service codes and modifiers. The course will cover Current Procedural Terminology (CPT) and Healthcare Common Procedural Coding System (HCPCS), Place of Service Codes and Modifiers.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 170 Electronic Health Records

**Prerequisite(s):** HIT 100 and CIS 101.

HIT 170 provides the health information technology student with an understanding of electronic health records, confidentiality, privacy, security and internal/external use and exchange to protect electronic health information. The student will utilize software in the completion of HIM processes, such as record tracking, release of information, coding, grouping, registries, billing, quality improvement, imaging, electronic health records (EHRs), Personal Health Records (PHRs) and document imaging. The student will be able to explain the policies and procedures of networks, including intranet and internet to facilitate clinical and administrative applications. The student will be able to explain analytics and decision support.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 180 Anatomy and Physiology for Health Information Technology

**Prerequisite(s):** Grade of C or better in HIT 100, grade of C or better in ALH 116.

HIT 180 provides the health information technology student an overview to the anatomical structures and physiology of the human body. Each body system is discussed in terms of the major anatomical structures and function including how each system participates in homeostasis of the body. In addition, the course discusses selected major pathologies, including disease definitions and causes, signs and symptoms, diagnostic procedures, and possible treatments. Finally, the course discusses common issues and changes that occur in each body system through the life span. All criteria is based on the core competencies as defined by the American Health Information Management Association (AHIMA).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 190 Principles of Healthcare Reimbursement

**Prerequisite(s):** HIT 100 or concurrent enrollment with HIT 100.

HIT 190 teaches the Health Information Technology student how to apply policies and procedures for the use of data required in healthcare reimbursement and evaluate the revenue cycle management processes. Additional topics include: payment methodologies and systems including capitation, Payment Prospective System (PPS), Resource Based Relative Value Scale (RBRVS), case mix, indices, Medicare-Specific Diagnosis Related Groups (MS-DRG), healthcare insurance policies, Accountable Care Organizations (ACO), utilization review/management, billing processes and procedures, case management, Electronic Data Interchange (EDI), Advanced Beneficiary Notice (ABN), Explanation of Benefits (EOB), coding, Chargemaster and bill reconciliation in a variety of healthcare

settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 200 Comparative Health Records Systems

Prerequisite(s): HIT 100.

The course investigates health record and information systems in hospitals, alternative care settings and health related agencies. Roles of the health information administrator in traditional and nontraditional health care settings are investigated and evaluated. Additional topics include: quality and utilization management, data sets, consulting and managing the information flow in diverse settings ranging from hospital-based care to veterinary care.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 201 Healthcare Quality Management

Prerequisite(s): HIT 100, CIS 101.

HIT 201 provides the Health Information Technology student the application of leadership models, theories and skills; critical thinking; change management; workflow analysis, design, tools, and techniques; human resource management; training, development theory and process; strategic planning; financial management; ethics and project management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 210 Diagnostic Coding II

Prerequisite(s): HIT 110.

The student will learn to apply advanced primary and secondary diagnosis codes according to the current guidelines; and develop appropriate physician queries to resolve data and coding discrepancies. Additional topics include: the principles of fraud and abuse as it pertains to medical coding, improper billing activities, coding compliance plans, complication comorbidities (CC), major complication comorbidities (MCC), Present on Admission (POA), codes, Hospital Acquired Condition (HAC) codes, Serious Reportable Events (SRE), amendments in the electronic health record (EHR), Diagnosis Related Groups (MS-DRG). The course will cover ICD-10-CM.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## HIT 230 Records Management

**Prerequisite(s):** HIT 100.

This course provides the Health Information Technology student with an understanding of management, storage, filing, etc. of health records; paper or electronic. Upon completion of course, the student will be able to apply policies and procedures surrounding issues of access and disclosure of protected health information, privacy, security, confidentiality, and retention and destruction of health records. Additionally, the student will be able to explain current trends, and future challenges in health information exchange.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 250 Inpatient Procedure Coding

**Prerequisite(s):** HIT 180.

This course introduces the student to current regulations and established guidelines in clinical classification systems. The student will learn to apply procedure codes according to current guidelines, evaluate the accuracy of procedural coding, determine accuracy of computer assisted coding assignment and recommend corrective action, and analyze current regulations and established guidelines in clinical classification systems, identify discrepancies between supporting documentation and coded data. The course will cover ICD-10-PCS (procedure coding system).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 260 Legal and Ethical Aspects of Healthcare

**Prerequisite(s):** HIT 100 or concurrent enrollment with HIT 100.

HIT 260 provides the Health Information Technology student a study of legal and ethical issues in healthcare with a focus on healthcare legal terminology, use of legal documents, legal concepts and principles and the ability to identify potential abuse or fraudulent trends through data analysis.

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| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 270 Medical Assistant Office Procedures

**Prerequisite(s):** HIT 170.

Course includes office communication, reimbursement, insurance cards, basic coding processes, office environment, appointment scheduling, and legal and ethical practices.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HIT 280 Medical Assistant Clinical Procedures

**Prerequisite(s):** HIT 180 or consent of program coordinator.

This course will provide an introduction to clinical medical assisting. Topics covered will include infection control, patient assessment, patient education, nutrition and health promotion, vital signs, assisting with physical examination, and assisting with medical specialties. Course includes in-class clinical procedure instruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## HIT 290 Medical Assistant Laboratory Procedures

**Prerequisite(s):** HIT 180, consent of program coordinator.

HIT 290 includes an introduction to laboratory techniques performed by the medical assistant. Topics covered will include clinical laboratory testing, venipuncture, specimen collection, quality control, sterilization and autoclaving, disposal of biohazardous materials, and inventory. Course includes in-class laboratory procedure instruction. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## HIT 297 Professional Practice in Health

# Information Technology

**Prerequisite(s):** HIT 210, HIT 250 or departmental permission.

This course encompasses a supervised professional practice experience in an affiliated health-related agency providing 80-90 practicum hours under the direction of a preceptor. The course is communicative and/or writing intensive and includes instructional components on basic concepts of financial literacy, responsible planning and necessary financial skills. The student must submit a general education student-learning portfolio. Failure to complete any of the activities assigned within this course will result in an automatic grade of 'F' for this course. If extenuating circumstances exist, you may apply for an incomplete. See your student catalog for more information about applying for an incomplete. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## HIT 299 Medical Assistant Practicum

**Prerequisite(s):** HIT 280 or concurrent enrollment in HIT 290, consent of program coordinator, program requirements must be met prior to starting practicum, successful completion of current drug screen, TB test, and criminal background check, and current vaccination record on file.

Course includes off-site practicum of at least 120 hours under direct supervision in a physician's office setting.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 1                     | 4                 | Upon demand       |

# Health, Arts & Science Courses

## Health, Arts & Science (HLH) courses

### HLH 195 Introduction to the Health Professions

Designed to familiarize students with a variety of health career opportunities, and to provide guidance in early curriculum planning and alternative career options.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

# Honors Program Courses

## Honors Program (HNR) courses

### HNR 150 Honors I Seminar

**Prerequisite(s):** Admission to the Darr Honors Program or permission of the Honors Program Committee.

A required Honors Program core course. This course provides the opportunity to study some of the world's great ideas, with primary focus on how these ideas help answer the question of what it means to be an educated person. Central components of the course will introduce students to the seminar class setting, Socratic method of learning, use of written and oral communication to aid in learning, critical thinking and analysis, and group activity learning. This is a reading, writing, and discussion intensive course. A grade of B or higher must be earned in order for the Honors Program student to receive the Honors H designation on his/her transcript. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

### HNR 250 Honors II Seminar

**Prerequisite(s):** Completion of HNR 150 with a grade of B or higher.

A required Honors Program core course. This course provides the opportunity for students to continue a study of the world's great ideas, with primary focus on how humankind has attempted to make or discern meaning out of existence. Central components of the course will engage students through the Socratic method of learning and analysis, and group

activity. This is a reading, writing and discussion intensive course. A grade of B or higher must be earned in order for the Honors Program student to receive the Honors H designation on his/her transcript. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## HNR 292 Directed Study in Honors

**Prerequisite(s):** Completion of HNR 150 with a grade of B or higher, permission from a sponsoring instructor and approval by the Honors Program Committee.

An Honors Program elective course. Supervised independent study exploring selected areas determined by the student in consultation with a sponsoring instructor and the Honors Program Committee. Readings controlled by conferences, progress reports and term papers. may be repeated to a total of 6 hours with permission by the Honors Committee. A grade of B or higher must be earned in order for the Honors H designation on his/her transcript. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## HNR 297 Honors Capstone

**Prerequisite(s):** Completion of HNR 250 with a grade of B or higher; completion of COM 115 and completion of either ENG 210 or ENG 221.

Capstone course for the Darr Honors Program, focusing on research methodology and the application of the honors student's previous studies and explorations in the Honors Program to contemporary writings and issues. Each student will research a topic of his or her choice, preferably in his or her area of career and/or academic interest and then develop the topic into an original research proposal for possible presentation and/or defense. Student will be required to participate in the CAAP and possibly the CLA and must submit a student learning portfolio.\* A grade of B or higher must be earned in order for the Honors Program student to receive the Honors H designation on his/her transcript. This course may not be taken pass/not pass by the Honors student.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Spring            |

# Hospitality Leadership Courses

## Hospitality Leadership (HSP) courses

### HSP 210 Introduction to Hospitality Leadership

This course is designed to examine the leadership processes, concepts and principles and to improve personal competence in decision-making, problem solving, motivation and communication as they relate to the hospitality industry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

### HSP 215 Introduction to Lodging Management

**Prerequisite(s):** HSP 210 or concurrent enrollment.

A study of the fundamentals of how lodging operations are managed from a rooms perspective. Practical examples are used to familiarize students with the line management aspects of reservations, registration, occupancy and checkout and the settlement procedures in various lodging market segments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# HSP 218 Safety & Sanitation

**Prerequisite(s):** HSP 210 or concurrent enrollment.

Introduction to food service sanitation and safety practices pertinent to hospitality management. Emphasis on sanitation requirements, safe food handling, storage practices and accident prevention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# History Courses

## History (HST) courses

### HST 103 World History to 1600 C. E.

A study starting with the migration of the earliest humans as hunter/gatherers to the 1600's C.E. the age of science and the age of enlightenment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent        |
|--------------|-----------------------|-------------------|-------------------|----------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR HIST 201 - World History I. |



Access the CORE 42 portal

### HST 104 World History Since 1600 C.E.

A study of World History since 1600 C.E. beginning with the age of science and the Enlightenment's global impact to the most current global history. International/Intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent |
|--------------|-----------------------|-------------------|-------------------|---------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR HIST 202 -           |





Access the CORE 42 portal

## HST 121 Survey of US History to 1877

Credit By Examination. Formation of the United States and its civilization from the Age of Discovery through the Reconstruction Era, with emphasis on the influence of the Frontier and the Native American, European and African heritages; the constitutional development of the federal government; the evolution of the nation's economic system, social fabric and diplomatic experiences. Additional course work will be required for the students taking this as an Honors course, and a 'B' grade or higher must be earned in order for the student to receive an Honors 'H' designation. International/Intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent           |
|--------------|-----------------------|-------------------|-------------------|-------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR HIST 101 - American History I. |



Access the CORE 42 portal

## HST 122 Survey of US History Since 1877

Credit By Examination. Modernization of the United States and its role in the world affairs from the late 19th Century to the present, with emphasis on industrialization and urbanization and their impact on socioeconomic and international developments. Additional course work will be required for the students taking this as an Honors course, and a grade of B or better must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent            |
|--------------|-----------------------|-------------------|-------------------|--------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR HIST 102 - American History II. |



Access the CORE 42 portal

## HST 197 Special Topics in History

This is a variable content course. May be repeated to a total of six hours if topic changes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## HST 224 US Civil War

Provides an in-depth examination of the growth of sectionalism, leading to Civil War between the North and the South in the United States. Provides an examination of the motives, efforts, successes, and failure of the war and the Reconstruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HST 226 Introduction to the History of Missouri

Designed to provide an awareness of the cultural, political, social, and economic developments and contributions of Missouri and Missourians during the evolution of the United States from 1821 to approximately 1990.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## HST 232 African-American History

The purpose of Black History since 1865 is to facilitate student understanding of African-American history from the Civil War and Reconstruction until the present. The course will focus on the evolution of a distinctly Black American culture, on the struggle for civil rights during the 19th and 20th Centuries, and will utilize lectures, readings, discussions, recordings, and videos.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Interdisciplinary Studies Courses

## Interdisciplinary Studies (IDS) courses

### IDS 110 Student Success

The purpose of IDS 110 is to assist the new student in making a successful transition to Missouri State University-West Plains, both academically and socially, and toward the completion of the student's academic goals. This course introduces students to the educational goals of the University and aims to foster a sense of belonging, promote engagement in both curricular and extra-curricular activities, and encourage life-long learning. The course also seeks to help students develop and apply essential study skills, information management, enhance critical thinking and communication skills, explore interests, abilities, values, and connect degree and career planning. Students are challenged to enhance their potential, understand their academic and social responsibilities, and appreciate diversity in an environment that supports their intellectual, personal and social development. The purpose of IDS 110 is to assist the new student in making a successful transition to Missouri State University-West Plains, both academically and socially, and toward the completion of the student's academic goals. This course introduces students to the educational goals of the University and aims to foster a sense of belonging, promote engagement in both curricular and extra-curricular activities, and encourage life-long learning. The course also seeks to help students develop and apply essential study skills, information management, enhance critical thinking and communication skills, explore interests, abilities, values, and connect degree and career planning. Students are challenged to enhance their potential, understand their academic and social responsibilities, and appreciate diversity in an environment that supports their intellectual, personal and social development. Students who take a 1-credit hour IDS 110 will also need to take a 1-credit hour IDS 115 course in order to fulfill degree requirements.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Fall, Spring      |

## IDS 115 Career Exploration

This course is designed to complement a one credit-hour IDS 110 course and will assist students in making meaningful academic and career choices that are aligned with their unique strengths, interests, values, and personalities. Students will participate in self-assessments, major and career exploration, and decision making activities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## IDS 187 Tutor Training

**Prerequisite(s):** Instructor approval.

Study of leading tutoring theory across the curriculum with emphasis on writing and math. Taught for students interested in tutoring in their fields. Students successfully completing the class will attain one levels of College Reading and Learning Association certification through training and hands-on experience in the Tutoring Lab.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 1                     | 4                 | Fall              |

## IDS 250 Academic Service Learning

**Prerequisite(s):** Permission for enrollment must be granted by the Division Chair with a limit of 2 students per division.

This course is designed to provide service learning opportunities for students who desire to serve in one of our four academic divisions, or who would like to pursue an approved off-campus academic service learning project. Selected students will receive instructions and assignments that will allow them to serve the division in creative and intellectual ways - they will not be secretaries or lab assistants. Interested students should go to the Academic Affairs Office and pick up an application during the campus' advisement week prior to the semester they wish to serve. This course may be repeated for up to six credit hours. 1(0-2) to

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

# IDS 297 Topics in Globalization

**Prerequisite(s):** Completion of 40 hours, including: COM 115, ENG 110, ENG 210 or ENG 221 (concurrent enrollment allowed), MTH 130 or greater (except MTH 197) (concurrent enrollment allowed) and IDS 110.

Required of all students seeking the Associate of Arts in General Studies and selected associate of applied science degree programs (students should review the catalog description of degree programs to see which degree programs require this course). This course provides a culminating experience for the general education program and includes some non-course educational experiences. The course is a variable content course which uses an interdisciplinary approach to present topics related to global issues from the perspectives and interactions among multiple fields. This course is communications and/or writing intensive. Students must submit a learning portfolio. Failure to complete this assignment will result in an automatic grade of F in this course. If extenuating circumstances exist, you may apply for an incomplete. See your student catalog for more information about applying for an incomplete. May be repeated a maximum of 6 hours with a content change on a space-available basis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-3          |                       |                   | Fall, Spring      |

# Insurance Courses

## Insurance (INS) courses

### INS 211 Insurance

**Prerequisite(s):** 24 credit hours.

Principles and functions of property, casualty, and life insurance with applications in both personal and business situations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Journalism Courses

## Journalism (JRN) courses

### JRN 197 Topics in Journalism

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

### JRN 270 Introduction to Journalism

Prerequisite(s): ENG 110.

Study of the purposes and forms of journalism. Includes writing the basic types of stories. Typing skills required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Kinesiology Courses

## Kinesiology (KIN) courses

### KIN 100 Fitness for Living

The values of health-related physical fitness; ramifications of a negative health life presented for individuals living in an automated, sedentary society, encouraging students to make intelligent decisions concerning a positive health lifestyle to enhance wellness now and in the future. Laboratory helps the individual discover his/her needs for achieving and maintaining high-level wellness. This course will include a physical fitness component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Fall, Spring      |

### KIN 135 Selected Activities in Kinesiology

A variable content course designed to develop lifetime skills in sports, fitness, and/or leisure activities. Activities selected will vary according to demand. Course may be repeated any number of times provided the same activity is not retaken. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1            | 0                     | 2                 | Fall, Spring, Summer |



# KIN 210 Healthy Lifestyles: Preventative Approaches

**Prerequisite(s):** Must have 12 credit hours.

Healthy Lifestyles: Preventive Approaches introduces conceptual and practical information relating to the impact of lifestyle choices on the health and wellness of the individual and society. Students in this course study a variety of fitness-wellness topics while initially and summatively garnering personal fitness-wellness data in both academic and laboratory settings. Collected data are synthesized and critically appraised, resulting in the construction of individualized fitness-wellness programs implemented and periodically re-evaluated over the course of the semester via reflective journal writing; and periodic quizzes and examinations that tie lecture theories to laboratory practices in critical thinking-peer teaching contexts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# Law Courses

## Law (LAW) courses

### LAW 231 Legal Environment of Business

**Prerequisite(s):** 24 credit hours.

Ethical and legal issues in the domestic and international regulatory environment of business. Foundations of legal reasoning, case analysis, legal dispute resolution and reporting, court systems, and sources of law. Substantive areas of torts, contracts, sales, products liability, and consumer rights and remedies. contemporary legal issues explored in such areas as regulation of environmental practices, deceptive advertising, debt collection, employment, antitrust, and computer law.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

# Library Science Courses

## Library Science (LIS) courses

### LIS 101 Introduction to the Library

Introduces the concept of information in its various forms, describes libraries as information storage and retrieval centers, and prepares students to successfully identify, locate, and use information.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

# Language & Literature Courses

## Language & Literature (LLT) courses

### LLT 100 Elementary Survey of Grammar

An introduction to the basic terminology and concepts of traditional grammar, including analysis of parts of speech, phrases, clauses, and verb transformation. No foreign language is required. Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

### LLT 102 Scientific/ and Medical Terminology

A study of technical terminology as derived from Greek and Latin elements. Does not fulfill any language requirement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## LLT 121 Classical Mythology

A study of Greek and Roman myths and legends as they appear in art, music and literature, especially epic and tragedy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LLT 180 The Heroic Quest

Human societies have long used the theme of the quest for self-knowledge as a vehicle to assess their own cultures and to explore ethical situations arising in civic life. This course examines texts from diverse cultural traditions in which protagonists confront their inherited identity of culture and language, providing a broader perspective on self-discovery in our own society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LLT 197 Select Topics in Language or Literature

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ, however, no more than 6 credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## LLT 201 Masterpieces of Modern Continental Literature

Comparative study in English translation of the prose literature of the continent of the 19th and 20th centuries. Additional course work will be required for students taking this class as an Honors course, and a grade of B or higher must be earned in order to receive an Honors designation (Odd Years).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## LLT 202 Major Authors in Translation

A course in comparative literature offered in English translation covering one of the following areas: (a) Germanic, (b) Latin America, (c) Latin and Greek, (d) Romance, (e) Slavic. Variable Content Course; may be taken once under each of the five titles.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LLT 215 Asian Global Studies

This course is mainly designed to provide a general overview of the history and culture, and present day China issues. It covers the history, culture, philosophy, literature, education, politics, economy and social and family issues of China. Students are assigned to compare China with Japan in related topics. Through lectures, discussions and assignments, this course will enable students to have a better understanding of China and Japan in different perspectives.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# Law Enforcement Courses

## Law Enforcement (LWE) courses

### LWE 110 Criminal Interview and Investigation: The Art of Documentation

This course presents techniques of interviewing and writing the report with legal considerations for criminal interrogation. Basic report forms and records systems are utilized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

### LWE 125 Victimology

The study of victims and the psychological effects caused by their victimization will be highlighted. Emphasis will be on patterns of victimization, the role victims play in our criminal justice system and what can be done to help them.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LWE 135 White Collar Crime

White Collar Crime addresses the study of non-violent crimes impacting today's society. Focus will be on relevant topics such as: identity theft, cybercrime, health care fraud, embezzlement and more.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LWE 140 Juvenile Delinquency

An analysis of theories associated with juvenile delinquency along with how the system manages delinquents. Laws, recommendations and solutions to the growing juvenile delinquency problem will be addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## LWE 190 Basic Law Enforcement Academy I

**Prerequisite(s):** LWE 130, Must be admitted into the Missouri Sheriff's Association Training Academy.

The POST Basic Training covers a broad range of topics including: Missouri criminal law, criminal investigation, traffic law, defense tactics, reports, legal subjects, human relations, and firearms. Topics are required under Sect. 590.100 et-seq; RSMO. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 9            | 9                     | 0                 | Upon demand       |

## LWE 191 Basic Law Enforcement Academy II

**Prerequisite(s):** LWE 190, Must be admitted into the Missouri Sheriffs' Association Training Academy.

The POST Basic Training covers a broad range of topics including: Missouri criminal law, criminal investigation, traffic law, defense tactics, reports, legal subjects, human relations, and firearms. Topics are required under Sect. 590.100 et.seq. RSMO. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 9            | 9                     | 0                 | Upon demand       |



# LWE 197 Special Topics in Law Enforcement

A variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if the topics differ, however, no more than six credits may count toward any degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# LWE 210 Crime Scene Investigation and Photography

Course instructs students in the fundamentals of photography as it relates to investigation of crime scenes and documentation of evidence.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# LWE 250 Police Supervision Management

Students will be instructed in personnel management practices for law enforcement agencies. Subjects to be covered include promotion, discipline, training, evaluation, employee well-being, and problem-solving leadership.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# LWE 297 Law Enforcement Capstone

**Prerequisite(s):** ENG 110 and completion of 40 credit hours.

This course will help prepare students for law enforcement careers. Essential workplace skills will be addressed, including ethics, professionalism and career preparation. Students must submit a learning portfolio.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# LWE 299 Law Enforcement Internship

**Prerequisite(s):** Instructor permission.

The internship in law enforcement is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Fall, Upon demand |

# Media Courses

## Media (MED) courses

### MED 120 Introduction to Mass Communication

Theories and issues related to mass media as agents of social change. Both print and electronic media will be covered, including newspapers, radio, television and film.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 1                 | Upon demand       |

### MED 197 Selected Topics in Media

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# MED 274 Understanding Film

The aesthetic and technical perspective of all types of motion pictures (narrative, non-narrative, experimental) using a number of selected domestic and foreign films as examples. Written analyses, reviews and critiques are required. Viewing of selected films outside of class time is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

# Management Courses

## Management (MGT) courses

### MGT 120 Introduction to Management

A detailed analysis of management functions including planning, organizing, staffing, directing, and controlling. The schools of management are explained. The orderly presentation of fundamental knowledge of management provides the student with the framework for further studies in management and related business fields as well as a background for practical application of management principles in business and other organizations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

### MGT 130 Business Mathematics

Applies math to business situations. Topics include trade and cash discounts, pricing merchandise, depreciation, financial statement analysis, and simple and compound interest. Basic knowledge of math is necessary, and familiarity with business terminology is helpful.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# MGT 140 Benefits Administration

Benefit administration is an encompassing profession and this course will provide an overview of benefits planning, FMLA, Workers Compensation, Unemployment benefits, HIPAA policies, ADA, ERISA, Group Health Plans, Health Insurance Basics, 401K plans, Disability, workforce Wellness and more.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# MGT 286 Business Communications

**Prerequisite(s):** ENG 110.

Managerial business communication theory and practice that includes speaking to large groups, interacting within small groups, improving listening skills, composing messages, writing reports based on library research, making ethical decisions, and communicating with other cultures and nationalities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# MGT 299 Internship in Business Management

**Prerequisite(s):** 24 credit hours or instructor permission.

The internship in business management is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Marketing Courses

## Marketing (MKT) courses

### MKT 150 Introduction to Marketing

This course covers the essentials of marketing in distributing goods and services from the seller to the ultimate consumer. Topics covered include marketing's role in the economy, targeting markets, buyer behavior, product planning and development, distributions, promotion, and pricing. Emphasis will be placed on current trends in marketing to relate theory to practical application of marketing principles covered in this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# Mathematics Courses

## Mathematics (MTH) courses

### MTH 100 Intermediate Applied Mathematics

**Prerequisite(s):** Appropriate placement score.

This course is designed to provide students with mathematical understanding and skills to be productive workers, discerning consumers and informed citizens. Topics covered will include Ratios/Proportions/Percentages, Statistics, Probability, Finance, Problem Solving, Critical Thinking and Basic Algebra. Solving linear equations will be a common component of this course as will producing and analyzing various data displays, including the graphs of linear equations. A grade of B or better is required in this course in order to take MTH 112. A grade of C or better is required in this course in order to take MTH 115. Credits for this course will not satisfy general education requirement. However, credits for this course may be used as electives toward the total credit hours needed for graduation. This course may not be taken pass/not pass. 2(2-0) or (1-2) F, S

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 0-2                   | 1-2               |                   |

### MTH 103 Intermediate Algebra

**Prerequisite(s):** Grade of C or better in MTH 030 or MTH 050 or appropriate placement score.

The course will cover order of operations with real and complex numbers; operations with rational exponents and expressions; solutions of equations and inequalities; introduction to



basic geometric terms and concepts; linear graphing on a Cartesian Coordinate System; solutions of systems of equations; solving real world applications, including the use of proportions, formulas, and the Pythagorean Theorem. Students not having taken MTH 50 should have one unit of high school algebra and an approved score on a departmental placement test. Credits for this class will not count toward a major or minor in mathematics and will not satisfy general education requirements. A grade of C or better is required in this course in order to take MTH 136, MTH 138, or MTH 130. This course may not be taken pass/not pass. 3(3-0) or

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

## MTH 111 Basic Algebra

**Prerequisite(s):** Appropriate placement score.

This course is the first of three courses designed for students who are preparing to take MTH 136. Topics in this course will include order of operations; simplifying expressions, solving linear, absolute value and rational equations and inequalities; applications; and basic linear graphing. A grade of C or better is required in this course in order to take MTH 112, MTH 114, or MTH 115.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall, Spring      |

## MTH 112 Intermediate Algebra I

**Prerequisite(s):** Pass MTH 100 with a grade of B or better or pass MTH 111 with a grade of C or better or appropriate placement score.

Topics in this course will include exponent properties; simplifying and evaluating polynomials; operations with polynomials; factoring; solving quadratic, rational, and radical equations; and various applications of quadratic equations. A grade of C or better is required in this course in order to take MTH 113 or MTH 136 with prep.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## MTH 113 Intermediate Algebra II

**Prerequisite(s):** Grade of C or better in MTH 112 or appropriate placement score.

Topics in this course will include exponent properties; operations with complex numbers, including rationalizing the denominator; operations with rational expressions, including complex fractions; applications including the Pythagorean Theorem and the Distance Formula; and solving systems of equations and inequalities. A grade of C or better is required in this course in order to take MTH 136.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## MTH 114 Basic Quantitative Reasoning

**Prerequisite(s):** Appropriate placement score or grade of C or better in MTH 111.

This course is designed for students who do not need MTH 103 Intermediate Algebra and/or MTH 136 Pre-Calculus I: Algebra for a bachelor's degree or some other degree. Topics covered will include fractions, decimals, and percents; proportions; basic probability; basic statistics; and applications. A grade of C or better is required in this course and in MTH 115 in order to take MTH 130. This course does not serve as a prerequisite for MTH 136 and credits for this course will not count toward a major or minor in mathematics. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## MTH 115 Basic Geometric Concepts

**Prerequisite(s):** Pass MTH 100 or higher with a grade of C or better or Appropriate placement score or grade of C or better in MTH 111.

This course is designed for students who are preparing to take MTH 130. Topics covered will include basic geometry including perimeter, area and volume; basic trigonometry; and applications including the Pythagorean Theorem. A grade of C or better is required in this course in order to take MTH 130.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## MTH 130 Contemporary Mathematics

**Prerequisite(s):** Grade of C or better in MTH 103, MTH 113, MTH 115 or appropriate placement score.

This is a problem solving and applications of mathematics course with a focus on

mathematical reasoning and quantitative literacy. Topics to be studied will include, but are not limited to: the art of problem solving, proportional reasoning, statistical reasoning, probability, geometry and mathematics of finance. This course will satisfy general education requirements for the Associate of Arts in General Studies degree but will not count toward a mathematics major or minor and may not be taken as pass/not pass. A grade of C or better is required in this course in order to take MTH 220.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                            |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR MATH 120 - Mathematical Reasoning and Modeling. |



Access the CORE 42 portal

## MTH 136 Pre-Calculus I: Algebra

**Prerequisite(s):** Grade of C or better in MTH 103 or MTH 113 or appropriate placement score.

Focus is on the analytic, graphical and numerical representations of functions along with higher algebraic reasoning. Topics include: the library of algebraic functions (polynomial, rational, exponential and logarithmic functions), conic sections, systems of equations and inequalities and matrices. Intended to prepare students for fields of study that would require a high level of algebraic reasoning or Calculus. A student who takes MTH 136 and MTH 138 receives credit toward graduation for only one of the courses. Satisfies the general education requirements for Quantitative Literacy for the Associate of Arts in General Studies degree but will not count toward a mathematics major or minor. A grade of C or better is required in this course to take MTH 137, 285 or 287.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent             |
|--------------|-----------------------|-------------------|-------------------|---------------------------------------|
| 3            | 2-3                   | 0-2               | Fall, Spring      | MOTR MATH 130 - Pre-Calculus Algebra. |



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## MTH 137 Pre-Calculus 2: Trigonometry

**Prerequisite(s):** Grade of C or better in MTH 136 or appropriate placement score.

Topics include: circular and triangular trigonometry and applications; trigonometric and inverse trigonometric functions; trigonometric identities and proofs; solving trigonometric

equations; vectors and polar coordinates. A student who takes MTH 136 and MTH 138 or MTH 137 and MTH 138 receives credit toward graduation for only one of the courses. Satisfies the general education requirements for Quantitative Literacy for the Associate of Arts in General Studies degree but will not count toward a mathematics major or minor. A grade of C or better is required in the course to take MTH 261, 285 or 287.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## MTH 138 Pre-Calculus Mathematics

**Prerequisite(s):** Grade of C or better in MTH 103 or appropriate placement score.

The course includes selected topics in algebra and trigonometry to prepare the student for calculus. Students not having taken MTH 103 should have three years of high school algebra at the level of Algebra I or above and an approved score on the departmental placement test. A student who takes MTH 136 and 138 receives credit toward graduation only for one of the courses. The course will not count toward mathematics major or minor. A grade of C or better is required in this course in order to take MTH 261 or MTH 287. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 5                     | 0                 | Fall              |

## MTH 197 Introductory Topics in Math

Variable content course of topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered; however, no more than six credits may count toward any degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## MTH 220 Foundations of Mathematics for Teachers

**Prerequisite(s):** Grade of C or better in MTH 130 or MTH 136.

This course centers around the structure and properties of the real number system and its subsets. Numeration systems, patterns of numbers, models and algorithms for operations, number theory, probability, and statistics will be studied. Problem solving and communication

are continuing themes of this course. Manipulatives (including a Base-10 Blocks, Cuisenaire Rods, number cubes, and colored counters), calculators, and computer software (including a statistical package, spreadsheet and word processor) are used extensively as tools to develop mathematical concepts. Cannot be used as a mathematics elective for mathematics major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

## MTH 240 Statistical Methods

**Prerequisite(s):** MTH 130 or higher.

This course will cover statistics, elementary probability, estimation and tests of simple hypothesis involving both large and small sample methods, and linear correlation and regression. This course will not count toward a mathematics major or minor. A student may receive credit toward a degree for only one of the following courses: MTH 240, PSY 200, QBA 237.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## MTH 260 Foundation of Geometry for Teachers

**Prerequisite(s):** Grade of C or better in MTH 220.

This course includes the study of synthetic, analytic, vector, and transformational geometries through properties of geometric figures, measurement, construction, conjecture and proof and tessellations. Problem solving and communication are continuing themes of this course. Manipulatives (including MIRA, Geoboard, Tangrams, attribute blocks and compass), calculators, and computer software (including Logo, Geometer's Sketchpad and a word processor) are used extensively as tools to develop geometric concepts. Cannot be used as a mathematics elective for the mathematics major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

## MTH 261 Analytic Geometry and Calculus I

**Prerequisite(s):** Grade of C or better in MTH 138 or grade of C or better in MTH 136 and MTH 137, or appropriate placement score.

Topics include: analytic geometry of the plane, limits, continuity, differentiation with applications, introductory integration with applications. Students not having taken MTH 137 or MTH 138 should have a B average or better in high school mathematics, including 2 units of algebra, 1 unit of geometry and 1/2 unit of trigonometry and an approved score on a departmental placement test. Students not meeting prerequisite must have permission of the instructor to enroll. A grade of C or better is required in this course in order to take MTH 280 or MTH 288. This course may not be taken pass/not pass. A grade of B or higher must be earned in order for the Honors Program student to receive the Honors designation on his/her transcript.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 5                     | 0                 | Fall, Spring      |

## MTH 280 Analytic Geometry and Calculus II

**Prerequisite(s):** Grade of C or better in MTH 261.

Topics include: applications of integration, integration techniques, indeterminate forms, improper integrals, sequences, series, conic sections, parametrization, polar coordinates. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 5                     | 0                 | Fall              |

## MTH 285 Calculus for the Business and Social Sciences

**Prerequisite(s):** Grade of C or better in MTH 136 or MTH 138.

Short review of algebra, absolute value and inequalities followed by elements of geometry, limits, the derivative, anti-derivative, and their applications. A student can receive credit for only one of MTH 285 and 287. A student taking MTH 285 and MTH 261 receives credit only for MTH 261.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## MTH 292 Multivariate Calculus

**Prerequisite(s):** MTH 280.

This course is the third course in the Calculus series. Topics will include: vector algebra and calculus, solid analytic geometry, partial differentiation, multiple integration, and vector fields. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## MTH 297 Mathematic Topics in Globalization

Students will have various opportunities to apply mathematical concepts developed in previous math courses to the real-world and/or a global society. Business, scientific, statistical, medical, and political situations will be among a wide range of topics explored and modeled. This course will also contain substantial communication, critical thinking, and information management components. Students seeking an AA in General Studies may use this course to fulfill their capstone requirement. Additionally, these students must submit their student learning portfolio in this course. This course may be repeated for up to 6 credit hours if different topics are offered. A student may not receive credit for both MTH 297 and IDS 297 if the courses have the same title.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

# Music Courses

## Music (MUS) courses

### MUS 100 Fundamentals of Music

Rudiments of music (scales, key signatures, rhythms, intervals, notation) with their application within the context of music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall              |

### MUS 162 Collegiate Choral

**Prerequisite(s):** Permission of the departmental head.

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions: Concert is presented yearly. May be repeated to a maximum 4 times for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                 |
|--------------|-----------------------|-------------------|-------------------|---|
| 1            | 0                     | 2                 | Fall, Spring      | MOTR PERF 102C - Music Performance Choir. |





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## MUS 172 Small ensemble

**Prerequisite(s):** Permission of departmental head.

Ensembles may be arranged each semester in piano, voice, strings, wind , and percussion to meet the needs of participating students and the department. May be repeated to a maximum of 4 times for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Upon demand       |

## MUS 197 Selected Topics in Music

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## MUS 206 Interrelated and Integrated Arts

**Prerequisite(s):** EDU 150 and Instructor Permission.

Theory, methodology, and activities for teaching the arts to children, from early childhood through Grade 6. A creative experiential approach, emphasizing how the four primary art forms (drama, movement, music, and art) relate to and enhance on another and facilitate the child's learning in other content areas.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 1                     | 4                 | Spring            |

## MUS 239 Introduction to World Music

An exploration of music from various cultures and time periods and the ways in which music promotes self- understanding by reflecting recurring patterns of human behavior.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent    |
|--------------|-----------------------|-------------------|-------------------|------------------------------|
| 3            | 3                     | 0                 | Upon demand       | MOTR MUSC 102 - World Music. |



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## MUS 241 The Language of Music

A study of the ways music creatively expresses self-understanding, cultural environment, and aesthetic values from ancient to modern times. Open to all students except music majors. 3(2-2) or

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent           |
|--------------|-----------------------|-------------------|-------------------|-------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR MUSC 100 - Music Appreciation. |



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## MUS 262 Collegiate Choral

**Prerequisite(s):** Permission of departmental head.

Chorus studies masterpieces of choral literature through preparation and performance of selected compositions: Concert is presented yearly. May be repeated to a maximum 4 times for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Fall, Spring      |

# Nursing Courses

## Nursing (NUR) courses

### NUR 100 Fundamentals of Nursing

**Prerequisite(s):** Admission to the Missouri State-West Plains ASN program, placement in MTH 130 or higher; or a grade of C or better in MTH 103 or higher; and a grade of C or better in CHM 116, CHM 117 or CHM 160 and a grade of C or better in ENG 110.

A fundamental course in nursing, founded in evidenced-based practice, which introduces the student to the role of the technical nurse in collaborative care and to the nursing process. Emphasis is placed on the evidence-based techniques and technologies that are required in meeting the basic physical and psychosocial needs of adult clients. The students are provided the opportunity for practice in the campus laboratory and the clinical setting. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 7            | 4                     | 9                 | Fall, Spring      |

### NUR 101 Adult Medical-Surgical Nursing 1

**Prerequisite(s):** Grade of C or better in NUR 100, BMS 267, and BMS 268 or concurrent enrollment in BMS 268.

The nursing process is utilized as the basis for study of clients in the age group adolescence through senescence with common medical and surgical health deviations. Evidence based nursing techniques and technologies that relate to the common health deviations are studied in this course. Opportunities are provided for students to make application of theoretical

knowledge in a clinical setting as well as nursing laboratory. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 8            | 4                     | 12                | Fall, Spring      |

## NUR 190 Transitioning from Licensed Practical Nurse to Registered Nurse

**Prerequisite(s):** Admission to the Missouri State University-West Plains LPN-to-RN program, or by permission.

A course designed for the exploration and discussion of major concepts related to the role of a registered nurse and contemporary nursing practice in a global society including quality, safety, collaboration, delegation, prioritization, and evidence-based practice. The nursing process is utilized as the basis for study of clients in the age group adolescence through senescence with common medical and surgical health deviations. Nursing techniques and technologies that relate to the common health deviations are studied utilizing various campus laboratory and computer laboratory exercises. Also reinforces basic nursing skills and care-planning skills. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## NUR 197 Health Topics

Variable content course of topics of general interest in the health care system and the health professions. Topics may vary each semester; the course may be taken to a maximum of 6 hours provided the same topic is not repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Fall, Spring      |

## NUR 201 Mental Health Nursing

**Prerequisite(s):** Grade of C or better in NUR 100, NUR 101 or NUR 190, and PSY 121.

May be taken concurrently with NUR 101 or NUR 190. Emphasis is on the nursing care of clients with mental health and psychosocial health deviations. Opportunities are given to students for application of the nursing process and evidence based nursing knowledge.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |              |
|---|---|---|--------------|
| 3 | 3 | 0 | Fall, Spring |
|---|---|---|--------------|

## NUR 202 Pharmacology

**Prerequisite(s):** Grade of C or better in BMS 267, BMS 268 and NUR 190 or co-requisite of NUR 190.

Introduction to basic pharmacology, pharmacokinetics, and pharmacodynamics of major drug classifications. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered                 |
|--------------|-----------------------|-------------------|-----------------------------------|
| 3            | 3                     | 0                 | Fall, Spring, Summer, Upon demand |

## NUR 204 Adult Medical-Surgical Nursing II

**Prerequisite(s):** Grade of C or better in NUR 101 or NUR 190.

A study of the nursing systems required by clients in the age group adolescence through senescence with complex medically or surgically related health deviations. Collaboration, delegation, and evidence based practice will be addressed. Opportunities are provided for students to make application of theoretical knowledge in a clinical setting. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 9            | 5                     | 12                | Fall, Spring      |

## NUR 212 Nursing Care Across the Lifespan

**Prerequisite(s):** Grade of C or better in NUR 204.

Emphasis is placed on human growth and development through the life span. Human sexuality and the establishment and support of the family are presented. Opportunities to care for clients from infancy through aging adulthood are provided in a clinical setting. Classroom and clinical components also include community nursing and leadership experiences. Collaboration, delegation, and evidence based practice will be addressed. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 9            | 5                     | 12                | Fall, Spring      |

# NUR 220 Current Trends and Issues in Nursing

**Prerequisite(s):** Grade of C or better in NUR 204.

A course designed for the exploration and discussion of major trends and issues affecting contemporary nursing practice in a global society including quality, safety, delegation, and evidence based practice. Also thoroughly preps the nursing students to take the NCLEX-RN licensure exam by integrating an online NCLEX-RN review course. Meets the capstone requirement for the ASN degree. Additional course work will be required for the student taking this as an Honors course, and a B grade or higher must be earned in order for the student to receive Honors designation. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

# NUR 221 Preparation for the NCLEX-RN

**Prerequisite(s):** NUR 204, NUR 212, 1 grade in NUR 220.

Preparation for the National Council Licensure Examination - Registered Nurse. Includes content review, test-taking strategies and personal preparation (Intersession).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Summer            |

# NUR 297 Selected Nursing Topics

Variable content course of topics of specific interest in the health care system to health professionals and student nurses. Topics will vary; the course may be taken to a maximum of 6 hours provided the same topic is not repeated. The course will require permission or meeting prerequisites established by the instructor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Philosophy Courses

## Philosophy (PHI) courses

### PHI 105 Logic, Language and Argumentation

An evaluation of argument with emphasis on the nature of language, inductive and deductive reasoning, and the development of practical applications of logic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent              |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 3                     | 0                 | Upon demand       | MOTR PHIL 101 - Introduction to Logic. |



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### PHI 106 Elements of Symbolic Logic

An introduction to the use of symbolic techniques to represent and evaluate arguments from everyday usage. There is an emphasis upon the student's development of an understanding of the methods and concepts of present day logic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# PHI 110 Introduction to Philosophy

**Prerequisite(s):** Appropriate placement score or completion of IDS 150.

This course explores various ways of understanding the human self and its relation to the world. Through a consideration of what can be known, what is worth valuing, what reality is, and what the nature of the Self may be, the course deals with central themes that arise from the human quest for deeper self-understanding. Additional course work will be required for the students taking this as an Honors course, and a 'B' grade or higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                   |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR PHIL 100 - Introduction to Philosophy. |



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# PHI 115 Introduction to Ethics

**Prerequisite(s):** ENG 110.

This course examines ethical principles and theories in relation to contemporary moral issues (e.g. euthanasia, capital punishment, economic justice, environmental issues, world hunger). Through a consideration of the foundations of ethical philosophy, the course will examine the origins of ethical principles, how the varying ideas compare and contrast with each other, and how these ideas are applicable in a contemporary society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent               |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR PHIL 102 - Introduction to Ethics. |



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# PHI 197 Perspectives in Philosophy

A variable content course designed to explore the philosophical significance of issues of cultural, social, or individual importance. Students should consult the registration schedule to determine the topic to be covered in a given semester, and to see if it has an



International/Intercultural component. The course may be repeated to a maximum of 6 hours as topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Physics Courses

## Physics (PHY) courses

### PHY 100 Survey of Physics with Laboratory

**Prerequisite(s):** Eligibility for MTH 130 or higher.

Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstrations of precise experimental apparatus, some actual involvement with the experimental method. Students may not receive credit for both PHY 100 and PHY 102. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent   |
|--------------|-----------------------|-------------------|-------------------|---|
| 4            | 3                     | 2                 | Fall, Spring      | MOTR PHYS 100L - Essentials in Physics with Lab (Non-Science Majors). |



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### PHY 101 Physics by Inquiry for Educators

This course is only open to students planning to enter the Bachelor of Science in Elementary Education Completion Program or planning to receive the child development degrees. Will

fulfill natural science component of the Associate of Arts in General Studies. Science content includes mechanics, optics, heat, electricity and magnetism. This course will not count toward any associate of applied science degree. Students will increase their understanding of the nature of science. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent  |
|--------------|-----------------------|-------------------|-------------------|--|
| 4            | 2                     | 4                 | Fall, Spring      | MOTR PHYS 100LT - Essentials in Physics with Lab (Non-Science Majors). |



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## PHY 102 Survey of Physics

**Prerequisite(s):** Eligibility for MTH 130 or higher.

Description of nature as seen by physicists; effects that new scientific discoveries will have on society. Students may not receive credit for both PHY 100 and PHY 102.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                                   |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Upon demand       | MOTR PHYS 100 - Essentials in Physics (Non-Science Majors). |



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## PHY 123 Introduction to Physics I

**Prerequisite(s):** CIS 101 and eligibility for MTH 261.

An introduction to physical theories covering the content areas of mechanics, fluids, sounds and thermodynamics. Students not meeting prerequisite must permission of the instructor to enroll. A grade of C or better is required in this course to take PHY 124. This course may not be taken pass/not pass. pass/not pass. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent            |
|--------------|-----------------------|-------------------|-------------------|--------------------------------------|
| 4            | 3                     | 2                 | Upon demand       | MOTR PHYS 150L - Physics I with Lab. |



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## PHY 124 Introduction to Physics II

**Prerequisite(s):** Grade of C or better in PHY 123.

A continuation of PHY 123 in the content areas of electricity and magnetism, electronics, and optics. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 2                 | Upon demand       |

## PHY 197 Selected Topics in Physics

Course devoted to topics of current interest in physics. Provided the topics are different, the course may be repeated to a total of 4 credit hours. Credit for this course cannot be applied to the minimum requirements of a major or minor in physics, nor the general education (natural science) requirement. 1(0-2) or

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## PHY 203 Foundations of Physics I

**Prerequisite(s):** MTH 261 (completed) or MTH 261 (concurrent enrollment) and ACT mathematics score of 29 or higher.

First of two semesters in basic calculus physics. Lecture and laboratory topics covered include mechanics, waves and thermodynamics. A grade of C or better is required in this course to take PHY 204. This course may not be taken as pass/not pass. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                     |
|--------------|-----------------------|-------------------|-------------------|---|
| 5            | 3                     | 4                 | Fall              | MOTR PHYS 200L - Advanced Physics I with Lab. |



Access the CORE 42 portal

# PHY 204 Foundations of Physics II

**Prerequisite(s):** Grade of C or better in PHY 203 and either MTH 280 (completed) or concurrent enrollment in MTH 280.

Continuation of PHY 203 with lecture and laboratories covering electricity, magnetism and optics. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5            | 3                     | 4                 | Spring            |

# Political Science Courses

## Political Science (PLS) courses

### PLS 101 American Democracy and Citizenship

**Prerequisite(s):** Placement into ENG 110 or higher or ENG 100 with a grade of C or better.

Credit By Examination. Honors eligible course. All students enrolling for PLS 101 must be eligible for ENG 110 or higher. This course familiarizes students with the institutions and constitutional framework of the United States and Missouri. The course emphasis is on the values, rights, and responsibilities that shape the public decision making of active and informed citizens and influence contemporary public affairs in a democratic society. Additional course work will be required for the students taking this as an Honors course, and a grade of B or higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent            |
|--------------|-----------------------|-------------------|-------------------|--------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR POSC 101 - American Government. |



Access the CORE 42 portal

### PLS 102 Introduction to American Public Policy

Prerequisite(s): PLS 102.

Second course in American government, dealing with the process of policy formulation and with the historical development of specific public policies in such fields as economics, foreign affairs, health care, crime, education, business and labor, and social welfare.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## PLS 103 Missouri Government and Politics

Special course dealing with functions and organizations of Missouri state and local government. Students may be assigned selected projects on Missouri politics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## PLS 169 Introduction to Political Science

An introduction to the contemporary concerns and historical development of political science as a social science and as a mode of critical thinking about politics and society. Emphasis is upon acquainting students with the scope of intellectual inquiry and the specialized subfields of study of modern political science rather than with the particular characteristics of American Government and politics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## PLS 197 Topics in Political Science

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than 6 credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# PLS 205 Comparative Government: Countries and Cultures

An introductory comparative study of the principles, techniques and policy issues of government in constitutional democracies and authoritarian regimes. The focuses on selected West European (Britain, France, Germany) and non-West European (Japan, Mexico, Russia, Nigeria and Iran) countries and the evolution of the European Union. Honors eligible course. Students will not receive credit for both PLS 205 and IDS 297 Comparative Government: Countries & Cultures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent                             |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Fall              | MOTR POSC 202 - Introduction to Comparative Politics. |



Access the CORE 42 portal

# PLS 232 International Relations

Conflict and cooperation in the international national state system. Theories on international organization, power politics, international integration/disintegration, nationalism, terrorism, trade, and war. Problems of developing areas such as the Middle East, Africa, Asia, Latin America. International/intercultural component. Honors eligible course. Students may not receive credit for both PLS 232 and IDS 297 international relations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent               |
|--------------|-----------------------|-------------------|-------------------|---|
| 3            | 3                     | 0                 | Spring            | MOTR POSC 201- International Relations. |



Access the CORE 42 portal

# PLS 251 Foundations of Public Law

An introduction to the study of U.S. public law. Covers major concepts of law, legal reasoning and the legal process; provides a comparative and historical perspective on the U.S. Constitution and public law. Highlights the basic issues of law, administration, enforcement and social policy. Has an international/global component. Capstone course for the Law



Enforcement AAS degree. A student will not receive credit for both PLS 251 and LWE 297.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered           |
|--------------|-----------------------|-------------------|-----------------------------|
| 3            | 3                     | 0                 | Spring (odd-numbered years) |

## PLS 255 Public Administration

American administrative organization and activities; centralization, decentralization, and relation between the administration and other branches of government.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Psychology Courses

## Psychology (PSY) courses

### PSY 121 Introductory Psychology

Credit By Examination. Principles of human behavior; human growth and development; motivation; behavior organization; related research methods. Additional course work will be required taking this as an Honors course, and a B grade of higher must be earned in order for the student to receive an Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent           |
|--------------|-----------------------|-------------------|-------------------|-------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR PSYC 100 - General Psychology. |



Access the CORE 42 portal

### PSY 197 Selected Topics in Psychology

Selected topics especially appropriate for lower division students. (Examples: Meaning of death, preparation for marriage, child rearing practices, etc.) May be repeated for a maximum of 4 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |             |
|---|---|---|-------------|
| 1 | 1 | 0 | Upon demand |
|---|---|---|-------------|

## PSY 200 Psychological Statistical Methods

**Prerequisite(s):** PSY 121 and MTH 130 or higher.

Principles and methods of statistics used in psychology; understanding and interpreting psychological data. This course cannot be credited toward a degree if the student has taken any of the following: QBA 237, and MTH 240.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## PSY 201 Experimental Psychology

**Prerequisite(s):** PSY 121 and PSY 200.

Psychological methodology; major emphasis on experimentation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## PSY 203 Introduction to Research

**Prerequisite(s):** PSY 121 and MTH 136.

This course will provide an integrated approach to elementary research design and statistical methods. Students will review research and develop small projects for which statistical methods will be selected and applied. This course cannot be substituted for PSY 200 and/or PSY 201 and will not count toward the Psychology major. This course is not designed to prepare students for graduate work in Psychology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## PSY 250 Analysis of Interpersonal Behavior

**Prerequisite(s):** PSY 121.

Ongoing processes of interpersonal behavior. Observation and experience as participant of a

self-analytic group in the human relation laboratory.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Upon demand       |

## PSY 260 Educational Psychology

Prerequisite(s): PSY 121.

This course is designed as an introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement, and individual differences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## PSY 274 Abnormal Psychology

Prerequisite(s): PSY 121.

A survey of abnormal/deviant behavior with emphasis on theories, causes, treatment, and prevention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## PSY 280 Student Development

Prerequisite(s): PSY 121 and permission.

Student development concerns life-span development, with a strong emphasis on grades K-12. Cognitive, social, and emotional development is covered, as well as developmental issues such as the impact of divorce, child abuse, substance abuse, sexuality, and peer pressure. This course also includes learning and motivation theory. This course will not count toward the major or minor in Psychology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Spring            |

# PSY 285 Development of Early Childhood and Elementary School Children

Prerequisite(s): PSY 121.

This course focuses on life span development with a strong emphasis on preschool through sixth grade. Coverage includes developmental issues such as divorce, child abuse, substance abuse, and peer pressure. Also includes learning and motivation theory.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

# Quantitative Business Analysis Courses

## Quantitative Business Analysis (QBA) courses

### QBA 237 Basic Business Statistics

**Prerequisite(s):** MGT 130; or MTH 103 or higher except MTH 197 and MTH 297.

Collection, analysis, interpretation, and presentation of data related to business, measures of central tendency and dispersion, elementary probability, probability distributions, sampling, standard error, interval estimation, hypothesis testing. Computer statistical packages will be utilized in analysis of a variety of applications problems. A student may not receive credit toward a degree for more than one of the following courses: QBA 237, MTH 240, PSY 200.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

# Reading Courses

## Reading (RDG) courses

### RDG 107 Critical Reading & Study Skills in Academic Texts

**Prerequisite(s):** 12 or lower on ACT Reading, 440 or lower on SAT ERW, or 227 or lower on the Next Gen Accuplacer Reading test.

Introduction to college reading designed to help students acquire and improve critical reading comprehension skills of academic texts necessary for college-level coursework. Provides intensive reading instruction in comprehension, vocabulary development, reading rate, reading efficiency techniques, and reading study strategies. Cannot be used to satisfy any General Education program requirements or any major or minor requirement. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Upon demand       |

### RDG 170 Student Literacy Corps

**Prerequisite(s):** Concurrent enrollment with RDG 171 and permission.

Available to students who wish to develop the skills needed to teach adults to read.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

# RDG 171 Lab for RDG 170

**Prerequisite(s):** RDG 170 or concurrent enrollment.

Students practice the skills needed to teach adults to read. Lab may be repeated up to 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 0                     | 2                 | Fall, Spring      |



# Religious Studies Courses

## Religious Studies (REL) courses

### REL 100 Religion and Human Culture

To discover what religion is and does; place of religion in human thought and action.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent       |
|--------------|-----------------------|-------------------|-------------------|---------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR RELG 100 - World Religion. |



Access the CORE 42 portal

### REL 101 Introduction to the Old Testament

Literature of the Old Testament including the historical backgrounds and major concepts of these books.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## REL 102 Introduction to the New Testament

Literature of the New Testament including the historical backgrounds and major concepts of these books.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## REL 103 History of the English Bible

The ancient manuscript of the Bible; early versions; evaluation of recent translations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## REL 131 Religion in America

Recounts the development of American religious life and the influences of religion on American institutions and its people.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## REL 197 Topics in Religious Studies

Topics of general interest in the area of Religious Studies. Examples: Fundamentalism, Muslim Spain, Heresy and Holiness, Hell and the Devil, the Shroud of Turin. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Sociology Courses

## Sociology (SOC) courses

### SOC 150 Principles of Sociology

Credit By Examination. An introduction to the study of society, its structure and processes. Emphasis upon the sociological perspective, method, and findings. Additional course work will be required for the students taking this as an Honors course, and a B grade or higher must be earned in order to receive Honors designation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent          |
|--------------|-----------------------|-------------------|-------------------|------------------------------------|
| 3            | 3                     | 0                 | Fall, Spring      | MOTR SOCI 101 - General Sociology. |



Access the CORE 42 portal

### SOC 152 Social Problems

Prerequisite(s): SOC 150.

Sociological perspectives on contemporary social issues and problems in American society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## SOC 271 The Community

Prerequisite(s): SOC 150.

The range and structure of territorially based social systems such as neighborhoods, towns, hamlets, prisons, and utopias.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## SOC 275 Sociology of Rural Life

Prerequisite(s): SOC 150.

Rural life in America, as it existed traditionally and as it has been changed by the processes of modernization. Special emphasis upon rural life in the Ozarks.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## SOC 276 Sociology of Aging

Prerequisite(s): SOC 150.

The aging process and its implications for our society and the individual. The focus includes social, psychological, economic, and demographic aspects of aging.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## SOC 284 Social Movements

Prerequisite(s): SOC 150.

The evolution of large and diffuse groups which promote or resist social change and their consequences for society. Examples might include the labor movement, the women's movement, new religious or political movements.

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## SOC 290 Sociology of Gender Roles

**Prerequisite(s):** SOC 150.

A study of gender roles, focusing on the effects of socialization, role stereotyping, and rapid social change on adult gender role identity, life choices and family patterns.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## SOC 297 Special Topics

**Prerequisite(s):** Permission.

Selected topics of contemporary interest in sociology, offered when resources and demand allow. May be repeated to a total of 6 hours when topic changes. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Special Education Courses

## Special Education (SPE) courses

### SPE 250 Education of Exceptional Learners

**Prerequisite(s):** 2.50 minimum GPA.

Pre-service teachers are introduced to the special education process as mandated by state and federal guidelines. Legislation, litigation, and service options pertaining to diverse populations will be stressed including those with disabilities, culturally diverse, and gifted. Emphasis will be placed on current issues in the field of special education. Students will participate in observations in appropriate elementary, middle, and secondary school and agency settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# Spanish Courses

## Spanish (SPN) courses

### SPN 101 Elementary Spanish I

Credit By Examination. The primary goal of SPN 101 is to help students develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language. International/Intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent  |
|--------------|-----------------------|-------------------|-------------------|----------------------------|
| 3            | 3                     | 1                 | Fall              | MOTR LANG 103 - Spanish I. |



Access the CORE 42 portal

### SPN 102 Elementary Spanish II

**Prerequisite(s):** Grade of C or better in SPN 101.

The primary goal of SPN 102 is to help students develop additional proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language. International/ Intercultural component. Students who have not taken SPN 101 but have proficient skills in the Spanish language may

petition the course instructor for permission to take this course. Credit By Examination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent   |
|--------------|-----------------------|-------------------|-------------------|-----------------------------|
| 3            | 3                     | 1                 | Spring            | MOTR LANG 104 - Spanish II. |



Access the CORE 42 portal

## SPN 201 Intermediate Spanish I

**Prerequisite(s):** Grade of C or better in SPN 102.

The primary goal of SPN 201 is the systematic review, expansion, and synthesis of the four skill areas. Communicative skills will be enhanced by providing a thorough review of fundamentals of grammar through real-life language use, reading and composition. International/Intercultural component. Students who have not taken SPN 102 but have proficient skills in the Spanish language may petition the course instructor for permission to take this course. Credit By Examination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

## SPN 202 Intermediate Spanish II

**Prerequisite(s):** Grade of C or better in SPN 201.

Continuation of the development of the four skills through conversation, composition, and reading as a means to access culture. International/Intercultural component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 1                 | Upon demand       |

## SPN 297 Special Topics in Spanish

**Prerequisite(s):** Permission of instructor and department head.

Topics of selected interest in Spanish studies, including travel-courses to Spanish-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course. International/Intercultural



component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# Social Work Courses

## Social Work (SWK) courses

### SWK 200 Introduction to Social Work

This course is an introduction to the values, knowledge, and skills that guide the profession of social work. Examines practice interventions at the individual, family, group, organization and community levels. The fields and settings for social work practice are discussed. a grade of C or better is required for the admission to the BSW program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

### SWK 213 Social Welfare Policy and Services

**Prerequisite(s):** Grade of C or better in SWK 200 or concurrent enrollment.

This course examines the historical development, philosophical orientation, and analysis of social welfare policy and services in the United States, as well as orienting students to the development of social work as a profession. The course focuses on the analytic and interactional strategies related to policy analysis, development, and implementation. Areas of study include domestic and global aspects of practice. A grade of C or better is required for admission to the BSW program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## SWK 219 Human Diversity

**Prerequisite(s):** SWK 200, PSY 121 and SOC 150.

Content and skill development pertinent to working with diverse racial, cultural, ethnic, and other populations such as persons with physical disabilities and mental illnesses. This course is designed primarily to inform and sensitize individuals for effective interventions with a heterogeneous society. A grade of C or better is required for admission to the BSW program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## SWK 222 Human Behavior and the Social Environment

**Prerequisite(s):** SOC 150.

Factors associated with the person environment system from the perspective of human biology, developmental and personality theory, small group theory, and the large societal context. This course may not be taken pass/not pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

# Technology Courses

## Technology (TEC) courses

### TEC 100 Survey of Electronics

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101 and grade of C or better in TEC 101 or concurrently or departmental permission.

A survey of electronics including electrical and electronic safety. Ohms Law, passive and active devices, amplifiers, digital fundamentals and communications systems. Upon successful completion students will be certified by National Coalition of Certification Centers (NC3) in Festo Advanced Manufacturing Fundamentals of Electricity-AC/DC.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

### TEC 101 Mathematics for the Trades

Foundation-level math skills required in the technical trades including: addition, subtraction, multiplication and division of whole numbers, fractions and mixed numbers. Information on the metric system, percentages and precision measuring will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# TEC 105 Technology's Impact on Society

Technological progress of agriculture and industry and its socio-economic impact in a global environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

# TEC 110 Print Reading & Basic CAD

This course will cover the fundamental print reading skills required in the technical trades including: shape and size description, annotations, industrial drawing types, as well as specialized parts and prints. An introduction to basic computer-aided drafting (CAD) will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# TEC 111 Manufacturing Materials and Processes

**Prerequisite(s):** Appropriate placement score or a grade of C or better in ENG 101, and grade of C or better in TEC 101 or concurrently enrolled or departmental permission.

An introduction and survey of the materials, such as ferrous and nonferrous alloys, ceramics, plastics, wood and composite materials, machines and tools such as lathes, drill presses, milling machines, welding and processes employed in manufacturing industries. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# TEC 112 Introduction to Supply Chain Management

Covers objectives and processes of supply chain management activities including procurement, manufacturing, forecasting, planning inventory management, capacity requirements management, material control, and logistics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |      |
|---|---|---|------|
| 3 | 3 | 0 | Fall |
|---|---|---|------|

## TEC 120 Technology Career Center Variable Content Course

**Prerequisite(s):** Grade of C or better in an approved 525, 900 or 1050 clock hour career center program and completion of 12 credit hours of course work at Missouri State University-West Plains.

A variable content course resulting from an articulation agreement with the South Central Career Center, Ozark Mountain Technical Center or other approved career center. The topic will be identified by the career center program title. Approved programs from the South Central Career Center include Auto Body and Collision Repair, Automotive Mechanics Technology, Carpentry, Commercial and Advertising Art, and Welding Technology. Approved programs from the Ozark Mountain Career Center include Auto Body Repair 1 & 2, Auto Mechanics 1 & 2, Carpentry 1 & 2, Computer Installer & Repair 1 & 2 and Welding Technology 1 & 2. Other programs will be evaluated on an individual basis. Students must attain a C grade or better in the applicable core competencies. Similar courses at other institutions will be evaluated on an individual basis. Credit for this course will be transcribed upon completion of 12 credit hours of course work at Missouri State University-West Plains. The transferability of this course to other institutions must be confirmed with the institution. This course may be repeated subsequently or taken concurrently for a total of 24 credits. A total of 12 credit hours will be assigned for 900 and 1050 clock hour programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 12           | 12                    | 0                 | Upon demand       |

## TEC 123 Employment in the Manufacturing Occupation

An introduction to shop safety, new hire best-practices, communications skills, manufacturing tools, maintenance practices, work stations and equipment rigging and lifting. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Spring            |

## TEC 132 Introduction to Industry 4.0

**Prerequisite(s):** Grade of C or better in TEC 100 or concurrently or departmental permission. This course introduces students to the concepts and applications of Industry 4.0 and includes exploring the Internet of Things and the networking of industrial equipment and systems through a globally connected industrial network.

Students will follow the evolution of data, to artificial intelligence, to robotics, to virtual

ecosystems that provide industry with the tools for rapid prototyping. Upon successful completion students will be certified by National Coalition of Certification Centers (NC3) in Festo Advanced Manufacturing Fundamentals of Industry 4.0. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## TEC 161 Basic Wood Gasification

Basic wood gasification technology. Students learn the concepts of wood gasification technology systems. Includes concepts, control, uses, and hands-on operation of wood gasification technology. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## TEC 165 Manufacturing Machine Technology

**Prerequisite(s):** Grade of C or better in TEC 111 or concurrently, or departmental permission.

This course provides students with an introduction to manufacturing technology. Students will learn about shop safety, print reading, operation and programming of computer numerically controlled (CNC) machine tools, including lathes, plasma cutters, milling and grinding machines. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

## TEC 197 Special Topics in Technology

A variable content learning module consisting of lecture, discussion, studio projects, and/or field projects that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated for up to 6 credit hours if the topics differ.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

# TEC 200 Applied Electricity and Electronics

**Prerequisite(s):** Grade of C or better in TEC 100 or concurrently, or departmental permission.

An introduction to the production and use of electrical energy in motors, generators and electronic circuits. Students learn the construction and operation of motors, generators and electronic control circuits. Includes electrical and mechanical safety, theory, concepts, and hands-on-operation of electrical equipment associated with various power systems. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# TEC 228 Logistics, Transportation & Distribution

This course provides an introduction to logistics, transportation and distribution. Topics covered in this course include an overview of logistics and supply chain management, transportation, order management, inventory and warehouse management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# TEC 230 Industrial Controls & Troubleshooting

**Prerequisite(s):** Grade of C or better in TEC 200 or concurrently or departmental permission.

This course introduces students to the troubleshooting methods that apply to basic and industrial motor control circuits; including AC and DC drive circuits. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# TEC 232 Quality Management

A study of quality and lean management in business and industry. Topics include leadership and strategic planning, human resource practices, customer service and satisfaction, process management, performance measurement, Six Sigma principles, and principles of lean production.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |



|   |   |   |        |
|---|---|---|--------|
| 3 | 3 | 0 | Spring |
|---|---|---|--------|

## TEC 235 Computer Hardware & Operating Systems

Introduction to computer hardware and operating systems. Topics include components of a computer, the Windows operating system, and the Linux operating system. Students may not receive credit for both CIS 235 and TEC 235. Course Fee

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## TEC 240 PLC's & Sensors

**Prerequisite(s):** Grade of C or better in TEC 200 or departmental permission.

This course allows students to acquire experience with industrial control equipment with an introduction to the troubleshooting methods that apply to circuits where a PLC and sensors are used. Involves familiarization with Human Machine Interface (HMI) software and subsequent interface design. Students will use of standard PLC instructions with industry standard programming languages to develop ladder logic. Upon successful completion students will be certified by National Coalition of Certification Centers (NC3) in Festo Advanced Manufacturing Fundamentals of PLC's.-Allen Bradley and Sensors Technology. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Upon demand       |

## TEC 245 Mechanical Systems and Fluid Power

**Prerequisite(s):** Grade of C or better in TEC 165 or TEC 200 or departmental permission.

An introduction to shop safety, design, implementation and troubleshooting of mechanical and fluid power systems. Includes mechanical equipment alignment, balancing and leveling as well as calculations for gears, gearboxes and motor sheaves. Additionally, includes pump and valve operations as well as fluid contamination and control. Upon successful completion students will be certified by National Coalition of Certification Centers (NC3) in Festo Advanced Manufacturing Fundamentals of Mechanical Systems and Fluid Power-Hydraulics & Pneumatics. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

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|---|---|---|--------|
| 3 | 2 | 2 | Spring |
|---|---|---|--------|

## TEC 250 Safety Management

Accident causes and effects, OSHA, workers' compensation, accident investigation, safety audits, safety promotion and training, and safety hazards and their prevention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall              |

## TEC 255 Project Management

Focuses on how projects contribute to the goals of the organization. Students will examine a project manager's role in an organization, project management tools/techniques, and the interpersonal skills needed to complete the project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## TEC 260 Alternative Energy-Biofuels

**Prerequisite(s):** TEC 161 or TEC 200 or departmental permission.

An introduction to the production of energy from various forms of wood gasification technology. Students learn the construction and operation of wood gasification technology systems. Includes theory, concepts and hands-on-operation of wood gasification technology and energy efficiency. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## TEC 265 Alternative Energy-Solar

**Prerequisite(s):** TEC 200 or departmental permission.

An introduction to the production of energy using various forms of solar technology. Students learn the construction and operation of passive and active solar technology systems. Includes theory, concepts and hands-on-operation of solar technology and energy efficiency. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## TEC 270 Alternative Energy-Wind

**Prerequisite(s):** TEC 200 or departmental permission.

An introduction to the production of energy from various forms of wind turbine technology. Students learn the construction and operation of wind turbine technology systems. Includes theory, concepts and hands-on-operation of wind turbine technology and energy efficiency. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## TEC 275 Automated Systems

**Prerequisite(s):** Grade of C or better in TEC 165 or TEC 200 or departmental permission.

An introduction to shop safety, motor controllers, discrete input/output devices, programmable logic controllers (PLCs) including basic ladder logic, communications and troubleshooting as well as robotics applications. Upon successful completion students will be certified by National Coalition of Certification Centers (NC3) in Festo Advanced Manufacturing Fundamental of Robotics. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## TEC 297 Technology Capstone

**Prerequisite(s):** Completion of 40 credit hours including at least 20 credit hours of General Technology related courses, IDS 110 and ENG 210 or ENG 221 or department head permission.

Independent design and development of a technology project in a field of the student's choice, with the instructor's approval. These projects can be individual or team projects. A unit of instruction relating globalization of and to a technical industry will occur. This course provides a culminating experience for the general education program and includes some non-course educational experiences. Students will be required to submit a student learning portfolio. Although no points will be awarded for the student learning portfolio, failure to complete it will result in an automatic grade of 'F' for the course. If extenuating circumstances exist, you may apply for an incomplete. This course may not be taken Pass/Not Pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Spring            |

## TEC 299 Internship in Technology

**Prerequisite(s):** Instructor permission.

The technology internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. This internship course gives students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. This course may be repeated for a total of six credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 1-3          |                       |                   | Fall, Spring, Summer |

# Theatre Courses

## Theatre (THE) courses

### THE 101 Introduction to Theatre and Drama Arts

The creative processes of transforming drama to stage, film and television. A study of the collaborations and contributions that the various artists make to the process. Intended to increase the audience's ability to think critically about the artistic experience. Buying tickets to and attendance at local productions required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered | CORE 42 (MOTR) equivalent              |
|--------------|-----------------------|-------------------|-------------------|--|
| 3            | 3                     | 0                 | Upon demand       | MOTR THEA 100A - Theatre Appreciation. |



Access the CORE 42 portal

### THE 109 Performance Studies

Exploration of the social, cultural, and aesthetic aspects of performance through an examination of self and society. Course combines lecture, readings, and individual student performances of oral and literary texts selected for their humanities-related content and their performance and literary values.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

|   |   |   |             |
|---|---|---|-------------|
| 3 | 3 | 0 | Upon demand |
|---|---|---|-------------|

## THE 111 Theater in Education

Educational Theater teaches students how to prepare a program that deals with a social or historical issue and then to take the program into area schools for presentation. Sometimes the students will use a written script by a professional author and sometimes they create their own.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## THE 112 Performance Project

Theatre group will present a theater performance to various groups, or for multiple showings in the geographical area. This may include travel to locations including schools, day cares or event venues. (Check with the instructor if travel is an issue.) May be repeated for up to 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## THE 197 Selected Topics in Theater

A variable credit lecture/discussion and/or lab course. Content varies with topics identified by title in the course schedule. The course may be repeated if the topics differ; however, no more than six credits may count as elective credit toward any degree. Check with the appropriate department head to see if credit for this course will count toward the major or minor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## THE 205 Speech for the Elementary Classroom

Speech activities in the elementary grades, correlating story telling, choral reading, creative dramatics, and speech correction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered           |
|--------------|-----------------------|-------------------|-----------------------------|
| 3            | 3                     | 0                 | Spring (odd-numbered years) |

## THE 210 Performance of Literature

Individual performance of poetry, prose, and drama. Designed for students who wish to develop skills in theatrical performance, oral interpretation, aesthetic communication, and literary study through performance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Viticulture Courses

## Viticulture (VIN) courses

### VIN 105 Molecular Principles in Grape and Wine

This course puts emphasis on chemical fundamentals, organic, biochemistry, and applications with a focus on the grape and wine industry. It is recommended for students needing one semester of general chemistry as a prerequisite for VIN 268 Wine and Must Analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 4                     | 0                 | Fall, Spring      |

### VIN 106 Physics for the Wine Industry

**Prerequisite(s):** MTH 100 or higher to equal 3 credit hours.

An introduction to physical theories covering the content areas of mechanics, fluids, sounds, thermodynamics and their relationship to the grape and wine industry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |



## VIN 108 Spanish for the Wine Industry I

This is a beginners Spanish course designed for the wine industry with a strong emphasis on oral and written communication. It covers basic grammar, as well as, vocabulary and situations pertinent to vineyard and winery operations. Topics include soil preparation, irrigation, planting, pruning, canopy management, disease and pest control, harvesting, crushing and pressing the fruit, winery sanitation, filling out paper work, safety, and awareness of cultural differences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 109 Spanish for the Wine Industry II

**Prerequisite(s):** VIN 108.

This is an intermediate Spanish course designed for the wine industry with a strong emphasis on oral and written communication. It covers basic grammar, as well as, vocabulary and situations pertinent to vineyard and winery operations. Topics include soil preparation, irrigation, planting, pruning, canopy management, disease and pest control, harvesting, crushing and pressing the fruit, winery sanitation, filling out paper work, safety and awareness of cultural differences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 110 Introduction to Wine Microorganisms

This course is an introduction to the variety of microorganisms frequently encountered in the wine making process, both beneficial and harmful. Topics include identification, physiology, morphology, and biochemistry of various wine microorganisms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## VIN 111 Introduction to Viticulture and Vineyard Establishment

This course is designed to introduce students to current practices for establishing a commercial vineyard and maintaining its health and productivity once established. Topics

covered include varietal selection, site preparation, equipment, site selection, first season establishment, vine growth development and training, trellis systems, vine propagation, weed control and vine disease control. Field practicum sessions consisting of 16 hours of hands-on experience will be scheduled in area vineyards. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 112 Botanical Viticulture

This course is designed to provide students with an overview of the plant kingdom and to examine grapevine form and function from a botanical perspective. Topics to be covered include the specific characteristics of plants that distinguish them from other forms of life, divisions within the plant kingdom with representative members of each, and plant classification. Plant cells, tissues, life cycles, structures and functions, especially as applied to grapevines will also be discussed, along with various aspects of plant and grapevine physiology, such as photosynthesis, respiration, nutrition, cold acclimation and hardiness, and dormancy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4            | 3                     | 1                 | Fall, Spring      |

## VIN 117 Cold Climate Viticulture and Enology

**Prerequisite(s):** VIN 111 or VIN 146.

This course offers a practical understanding of the obstacles and promise of growing grapes and making wine in cold climates. Topics relating to cold climate production include history, physical limits of grapes, successful varieties, viticulture and enology methods for producing quality cold climate wine, the state of cold climate research, a review of resources, and marketing strategies in cold climate regions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

## VIN 130 New Wine Business Feasibility

This course provides a systematic look at the different components of a successful wine or vineyard brand and assists students in creating a plan for a profitable business. Students will be exposed to key aspects of the business, including the regulatory climate for making and selling wine or grapes, financial frameworks to develop a vineyard and/or winery or to create

a virtual brand, and different models for profitability. Every student will be given the tools and frameworks to critically evaluate this competitive landscape and make decisions on a course of action.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## VIN 132 Entrepreneurial Finance and Accounting for Wine Businesses

This course focuses on the financing decisions faced by entrepreneurs. During the first section of this course students will learn the basics of financial accounting and planning, including financial statements and pro forma preparation and analysis. In the second section, students are introduced to the concepts of financial management, including the time value of money, profitability and break-even analysis, capital budgeting and management, and cash flow analysis. The third section of the course focuses on analyzing capital funding and financing options and needs, including business valuation models and raising capital through debt, equity, and community resources.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Fall, Spring      |

## VIN 146 Introduction to Enology

This course is based on the fundamentals of the science and technology of winemaking. Introduction to Enology targets the home winemaker and those interested in exploring winemaking as a career, either as a cellar worker or as a new winery owner. During this course, students will build a basic understanding of winemaking, including making wine from a kit. Winery observation sessions total 8 hours of observation at a regional commercial winery is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 3            | 3                     | 0                 | Fall, Spring, Summer |

## VIN 147 Fruit Wine Production

**Prerequisite(s):** VIN 146.

This course will cover the history of fruit wine making, starting a fruit winery, production processes, quality control, faults and flaws, stability tests, marketing, sales and legal

regulations. Students will gain an understanding of the special idiosyncrasies of the various fruits available to make commercial grade fruit wine.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered    |
|--------------|-----------------------|-------------------|----------------------|
| 2            | 2                     | 0                 | Fall, Spring, Summer |

## VIN 148 Winery Sanitation

**Prerequisite(s):** VIN 146.

This is a course in the basic science and technology of winery sanitation. This course serves as an introduction to wine microbiology and covers all methods used for winery sanitation including premises, tank pumps, filters, oak barrels and sampling equipment, including but not limited to chemical agents, reagents and thermal treatments leading to sterile bottling. Environmental issues and compliance are also addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 160 Winery Equipment Operation

**Prerequisite(s):** VIN 146 or permission.

This course covers process technologies and process systems that are used in modern commercial wineries. This course will provide an overview of winemaking systems including winemaking operations and equipment, barrel aging and barrel management, membrane separation processes, specialized contacting systems, cleaning and sanitation systems, process control systems, refrigeration systems, air conditioning and humidity systems, electrical systems, waste water systems, solid waste handling and work place safety.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## VIN 174 Wines of the World

This course is appropriate for commercial winemakers who want to understand how wines they produce compare and contrast with the most popular and important wine styles around the globe. It also will be of benefit to the wine enthusiast who is interested in reaching advanced levels of appreciation and an understanding of global benchmarks. Students will practice sensory analysis at home to develop their sensory skills and techniques. Students must be 21 years of age.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 197 Special Topics in Viticulture and Enology

This is a variable content course that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if the topics differ; however, no more than six credits may count toward any degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3          |                       |                   | Upon demand       |

## VIN 202 Legal Aspects of Vineyard and Winery Operations

**Prerequisite(s):** VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

This course will introduce students to the general concepts and issues relating to the creation and operation of a vineyard and winery. The course will explain general legal concepts related to real estate ownership, review and analyze typical contracts affecting vineyard/winery ownership and operations, compare and contrast various business formation and operation concepts, outline insurance and other business operation needs of the commercial vineyard/winery owner or manager, identify and discuss governmental agencies and regulations affecting commercial vineyard/winery ownership and management, introduce and analyze employment relationships and describe miscellaneous legal issues and areas specifically related to the operation of a vineyard.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 211 Integrated Pest Management

Effective grape production depends on the grower developing a system of grape management that is appropriate for each vineyard. Decisions need to be made for how to manage all of the normal cultural practices such as planting, fertility, harvesting, and pruning as well as managing the insect, disease, and weed problems that occur either regularly or sporadically. The information in this course will address management issues related to common, expected pest problems as well as the occasional appearance of minor pest problems.

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| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## VIN 212 Winter Viticulture Technology

**Prerequisite(s):** VIN 111.

This course is designed to provide students initiated in the field of viticulture practical experience in winter vineyard operations. Students are required to partner with an approved vineyard to participate in the required field experience portion of the course that will serve as work experience for those seeking employment in commercial viticulture. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Upon demand       |

## VIN 213 Regional Vineyard Management

**Prerequisite(s):** VIN 111 and VIN 212 or permission.

This course is a study of commercial grape growing in representative regions of the United States. Topics include cultivars, vine nutrition, irrigation, canopy management, pests, maturity sampling and harvest, balanced pruning/cropping and cold injury.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## VIN 214 Spring Viticulture Technology

**Prerequisite(s):** VIN 111.

This course is designed to provide students initiated in the field of viticulture practical experience in winter vineyard operations. Students are required to partner with an approved vineyard to participate in the required field experience portion of the course that will serve as work experience for those seeking employment in commercial viticulture. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

# VIN 215 Summer and Fall Viticulture Technology

**Prerequisite(s):** VIN 111 and VIN 212 or permission.

This course is designed to provide students initiated in the field of viticulture practical experience in summer/fall vineyard operations. Students are required to partner with an approved vineyard to participate in the required field experience portion of the course that will serve as work experience for those seeking employment in commercial viticulture. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 1                     | 2                 | Upon demand       |

# VIN 246 Intermediate Enology-Harvest and Crush

**Prerequisite(s):** VIN 146 or permission.

This course in the science and technology of winemaking is intended for the experienced intermediate winemaker, the winery employee interested in career development, or the advanced home winemaker that is seeking new challenges. This course will focus on advanced science and technology concepts of winemaking as it relates to pre-harvest, fruit harvest and procedures involved in juice and must preparation. Basic organic chemistry, microbiology and some mathematics familiarity are recommended. Course Fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall              |

# VIN 247 Intermediate Enology-Post Harvest

**Prerequisite(s):** VIN 146 or permission.

This course in the science and technology of winemaking is intended for the experienced intermediate winemaker, the winery employee interested in career development, or the advanced home winemaker that is seeking new challenges. This course will focus on advanced science and technology concepts of winemaking as it relates to post-harvest activities including blending correction, aging of wine, clarification, fining, wine analysis and bottling. Basic organic chemistry, microbiology and some mathematics familiarity are recommended. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Spring            |

# VIN 250 Equipment Technology for the Entrepreneur

**Prerequisite(s):** VIN 130, VIN 132, and VIN 111 or VIN 146 or permission.

This course covers equipment and technologies used in vineyard establishment and management systems used in modern commercial vineyards. An overview of vineyard establishment technologies will include soil mapping and preparation; irrigation set-up; planting systems; and vineyard trellis construction. Management equipment includes herbicide and air blast sprayers; irrigation and frost control equipment; cultivators; mechanisms used to bury the graft unions or vines for winter protection; equipment for either mechanical or manual pruning, shoot thinning, shoot positioning, fruit thinning, leaf removal and harvesting; soil mapping technology; climate monitoring equipment; fertilizer and lime application; and work place safety.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# VIN 257 Fall Wine Production Internship

**Prerequisite(s):** VIN 146, VIN 148, VIN 160, VIN 246, VIN 247 or permission.

This course is designed for the individual anticipating a career in the wine industry. This course (internship) is designed to provide a student who has completed major course sequences with an intense level of practical and realistic winery operation experiences, sufficient to equip him/her with sufficient skills and work experience for an entry-level position in the wine industry. Students involved in this program will participate in a full time Crush Season internship at a supporting winery, and are expected to use the time and opportunities to further their understanding of the winemaking process and common winery operations. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 0                     | 6                 | Fall              |

# VIN 259 Cellar Operations Technology

**Prerequisite(s):** VIN 146, VIN 148, VIN 160, VIN 246 or permission.

This course expands on winery tasting room management, delving deeper into the "front of house success," focusing on tasting room design and start-up, legal and compliance issues, budgeting, finance and profitability metrics. The students will explore destination marketing, in-house and on-the-road sales practices, as well as wine club and e-commerce success. Staff training and development, leadership in the tasting room and staff retention will also be discussed. This course is designed for winery tasting room owners, managers and key sales staff who desire to expand their knowledge about the interplay of customer service,



marketing and winery sales. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## VIN 266 Sensory Evaluation

**Prerequisite(s):** VIN 146 or permission.

This is a course intended for those individuals who need to develop an understanding of the principles of sensory evaluation used in commercial wine making. It will also be of benefit to the wine enthusiast who is interested in reaching advanced levels of appreciation as well as to the producer, the wine merchant, and ultimately the enologist, who by the nature of their profession need to discern flavors and establish tasting benchmarks. Students will utilize sensory kits and workshops to further their sensory evaluation skills and techniques. The course will include lectures, demonstrations and two day workshop. Students must be at least 21 years of age to enroll in this course. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 268 Wine and Must Analysis

**Prerequisite(s):** VIN 105 and VIN 146 or permission.

Principles of grape juice and wine analysis and the reasons for use of each analysis. Analyses of a practical and useful nature are chosen for the laboratory exercises demonstrating various chemical, physical and biochemical methods. Students are required to attend one two-day laboratory workshop. Numerous workshop options are offered across the United States. Course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 270 Marketing for the Small Winery

This course explores the marketing strategies for small wineries. During the course, students will build a basic understanding of different aspects of marketing such as label design and packaging, tasting room promotion, and general marketing principles. It will also introduce various marketing channels including, social media, e-mail, word of mouth, and winery web sites.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Fall              |

## VIN 271 Marketing for the Wine Business Entrepreneur

**Prerequisite(s):** VIN 130, VIN 132 and VIN 111 or VIN 146 or permission.

This course explores the strategies and tactics that a winery would utilize to develop a strong marketing program. The students will develop a marketing plan, incorporating online technology, social media, including the application of blogs and social networking accounts to market both winery retail and wholesale markets. The course will conclude with a student presentation of a marketing package directed at a specific target market.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 272 Winery Tasting Room Management

This course will explore all aspects of managing a winery tasting room. It will cover topics such as tasting room "look and feel," merchandizing, customer service, customer relationships, sales opportunities, sensory evaluation, staff training and the importance of leadership. The focus will be on customer service and customer loyalty.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Spring            |

## VIN 275 Financial Management for the Wine Business Entrepreneur

**Prerequisite(s):** VIN 130, VIN 132 and VIN 111 or VIN 146 or permission.

This course integrates wine production with the management of a commercial operation and its strategic business units. In the process, marketing, financial management, strategic business management, legal structures, leadership organization development and the breadth of the value chain are all examined as they relate to a commercial grape and wine production facility.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|              |                       |                   |                   |

|   |   |   |             |
|---|---|---|-------------|
| 3 | 3 | 0 | Upon demand |
|---|---|---|-------------|

## VIN 276 Advanced Tasting Room Management

**Prerequisite(s):** VIN 130, VIN 132 and VIN 111 or VIN 146 or permission.

This course explores the key components needed to optimize sales and profitability for tasting room management. The class will focus on direct sales and tasting room activities, wine club management, direct shipping, inventory control, promotions and merchandising, customer relationship management, winery events management, employee compensation issues and employee training.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 280 Winery Establishment and Design

**Prerequisite(s):** VIN 130, VIN 132 VIN 111 or VIN 146 or permission.

This course will discuss the major aspects of winery establishment and design, including the legal and regulatory process, layout, design and building; economics; cash flow; marketing and investment generation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2            | 2                     | 0                 | Upon demand       |

## VIN 285 Addressing Human Resources

**Prerequisite(s):** VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146 or permission.

The course will explore the different specialties that fall under the broad heading "Human Resources" and the skills necessary to succeed in them. Topics such as labor relations, global HR, executive compensation, employee development, employee law, organization styles, leadership, motivation, adaptation, employee/employer rights and responsibilities employee manual, and communications will be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 290 Vineyard and Winery Safety

An introduction to safety and procedures specific to the vineyard and winery. This course will include general history of food and beverage safety and health issues, ergonomics, OSHA safety rules and safety issues and concerns specific to the grape and wine industry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 293 Soils for Viticulture

The course will explore soil properties and behavior and their influence on wines. The course focuses not only on growth and production, but on the long-term effects of viticulture on soil quality and the wider environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## VIN 295 Developing a Business Plan for a Commercial Vineyard/Winery

**Prerequisite(s):** VIN 130, VIN 132 and VIN 111 or VIN 146 or permission.

This capstone course provides the students an opportunity to use the knowledge and skills gained from the previous courses in the business and entrepreneurship track to create a wine industry business plan. The primary course outcome is a major project in the form of a realistic and fully-integrated 5-year strategic business plan including a financial model and supporting materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

# Welding Courses

## Welding (WLD) courses

### WLD 101 Mathematics for Fabrication

Foundation-level math skills required in the fabrication trades including: addition, subtraction, multiplication and division of whole numbers, fractions and mixed numbers. Information on the metric system, percentages and precision measuring will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

### WLD 110 Print Reading and Basic CAD for Fabrication

This course will cover the fundamental print reading skills required in the fabrication trades including: shape and size description, annotations, industrial drawing types, as well as specialized parts and prints. An introduction to basic computer-aided drafting (CAD) will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall, Spring      |

# WLD 115 Welding, Safety, Materials & Processes

After completing this course, the student should be able to discuss types of injuries that can occur and how to prevent them, describe personal protective equipment (PPE) used by welders, discuss the proper use and maintenance of tools and equipment, explain the purpose of safety data sheets (SDSs), discuss the benefits of recycling waste material, explain how each one of the major welding processes works, list the factors that must be considered before a welding process is selected, discuss the history of welding, describe briefly the responsibilities and duties of the welder in various welding positions, list the crystalline diagrams, list the five mechanisms used to strengthen metals, explain why steels are such versatile materials, describe the types of weld heat-affected zones, discuss the problems hydrogen causes during steel welding, discuss the heat treatments used in welding, and explain the cause of corrosion in stainless steel welds.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# WLD 175 Welding Technology

This course provides instruction in welding theory, principles and applications. Topics covered in this course include shop safety, shielded metal arc welding, gas welding, gas metal arc welding, gas tungsten arc welding, ox fuel cutting, plasma cutting, math for welders, blueprint reading and metallurgy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Fall              |

# WLD 210 Advanced Welding Technology

**Prerequisite(s):** Grade of C or better in WLD 175 or departmental permission.

This course is a continuation of welding theory, principles and applications. Topics covered in this course include shop safety, advanced shielded metal arc welding, gas welding, gas metal arc welding, gas tungsten arc welding, ox fuel cutting, plasma cutting, math for welders, blueprint reading and metallurgy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# WLD 215 Structural Design and Fabrication

**Prerequisite(s):** Grade of C or better in WLD 175 or departmental permission.

After completing this course, the student should be able to explain the various safety issues related to fabrication, list the advantages of using custom fabrication parts, demonstrate an understanding of the proper placement of tack welds, demonstrate the use of location and alignment points when assembling a project, explain how to adjust parts to meet the tolerance, describe how to control weld distortion, lay out the trace parts, identify common sizes and shapes of metals used in weldments, describe how to assemble and fit up parts for welding, understand the history and economy of steel-frame construction, differentiate between fast-track and conventional, or linear, construction, know why fast-track scheduling is usually more economical than linear scheduling, identify the two design methods currently used to design structural steel support systems for commercial and industrial buildings: allowable strength design (ASD), and load resistance factor design (LRFD), and understand the functions and responsibilities of the structural engineering team.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## WLD 275 Fabrication Applications

**Prerequisite(s):** Grade of C or better in WLD 175 or departmental permission.

this course will cover the design, material selection, ordering of material, material prep and construction of individual project to manufacturing standards.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

## WLD 280 Robotic Arm Welding

**Prerequisite(s):** Grade of C or better in WLD 210 or concurrently enrolled or departmental permission.

After completing this course, the student should be able to explain the difference among manual (MA), semiautomatic (SA), machine (ME), automatic (AU), and automated welding, list the major factors to be considered in establishing a robotic welding station, list robotic safety considerations, explains the need for interaction among various components of robotic workstations, distinguish between automatic joining processes and automated joining processes, operate an industrial robot that is reprogrammable with a multifunctional manipulator designed to move material, parts, tools, or specialized devices and evaluate the need for the use of a robot and select a robot to meet the need in a complex process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 2                     | 2                 | Spring            |

# Workplace Employability Skill Courses

## Workplace Employability Skills (WES) courses

### WES 101 Mike Rowe Works (MRW) Work Ethic Certification

This course emphasizes the principles of hard work, determination, and respect for others and the impact on the American workforce. Students will gain work essential skills through Mike Rowe Works (MRW) Work Ethic program and upon successful completion of the course, students will receive the NC3 Mike Rowe Works (MRW) Work Ethic Certification.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Fall, Spring      |

### WES 110 Preparing for Today's Workforce

This course will prepare students for a job search and interview. Topics will include how to find job openings, how to research companies and jobs, resume writing, creating online portfolios, how to prepare for interviews, how to dress for interviews, and what to do before, during and after an interview. Students will also learn how to manage their online presence. As part of this course, students will take the WorkKeys Career Readiness Certification Test.



| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3            | 3                     | 0                 | Upon demand       |

## WES 115 Introductory Business Communication

This course provides students with the skills needed to clearly express ideas through verbal and written communication. Topics will include interpersonal communications, verbal communication, written communication, written communication using electronic tools such as email, texting and social media. Students will also learn techniques to improve listening skills, public speaking skills and how to deliver effective presentations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 120 Negotiating and Conflict Resolution

This course provides students with negotiating and conflict resolution skills needed for success in the workplace. Students will also learn how to improve their interpersonal sensitivity by respecting different perspectives, views and ideas of others in the workplace.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 124 Teamwork & Motivation

This course prepares students for the workplace by developing teamwork, motivation and leadership skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 125 Interpersonal Skills

This course prepares students for the workplace by developing teamwork and leadership skills. Students will learn how to present a positive, professional image.

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|--|--|--|--|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 126 Workplace Psychology

Psychology at work refers to the application of psychological principles within the work setting. Using psychology at work can help solve problems and create improvements in the workplace, can relieve stress, improve productivity and job satisfaction. This course will cover how to use psychology at work and impact a more positive environment for employees and the general working environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 130 Personal Competency

This course will prepare students for the workplace by improving their personal competency. Specific skills that will be covered include initiative, self-motivation, drive, flexibility, independence, self-awareness, and stress tolerance. Students will have an opportunity to increase their self-awareness through a personality assessment tool. Students will also learn how to increase their commercial awareness.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 135 Professionalism

This course prepares students to behave professionally in the workplace. Topics covered in this class include business etiquette, how to dress for the workplace, online professionalism and how to project a professional image when working in office, on the job or customer site, or remotely, such as from home.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 137 Generations in the Workplace

This course will give participants a new perspective on the five generations currently in the workforce and how the gaps and generational differences that exist today impact the workplace,

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 140 Critical Thinking

This course prepares students to reach better decisions and solutions by improving their critical thinking skills. Students will learn the principles and process of critical thinking and how to apply them in the workplace.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 144 Leadership & Ethics

This course introduces the importance of ethical leadership in the business world.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 145 Business Ethics

This course will challenge the student to heighten ethical conscience as an individual as well as within an organizational structure. Students will be challenged to develop a personal system of integrity, professionalism, and honesty while understanding the ethical paradigms of others. Through this course, students will examine the importance of developing an ethical structure prior to facing an ethical dilemma. This course will focus on ethics as a lifelong commitment, regardless of environment. Students may not receive credit for both EPR 170 and WES 145.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 150 Global Business Skills

This course prepares students for work in the global business environment. Students will learn cultural differences in business practices, international business etiquette, and how to overcome language barriers. Students will learn how to understand and appreciate differences in other cultures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 152 Goal Setting & Attitude

This course introduces students to goal-setting strategies and how to project a professional attitude in the workplace.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 155 Customer Service

This course helps students learn the skills necessary to serve as an effective interface between customers and the organization offering products and/or services. Emphasis is placed on the development of communication skills that enhance and establish long-term customer relationships. Students may not receive credit for both EPR 145 and WES 155.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 160 Planning and Organizational Skills for the Workplace

This course provides students with resources to better develop their planning and organizational skills. Students will learn time management and action planning techniques to work more effectively. Project management techniques will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 165 Practical Mathematics for the Workplace

This course provides students with basic math skills needed for success in the workplace. Topics include math fundamentals; interpretation of graphs and tables; calculating ratios, percentages, dilution calculations, load equations, tolerances; time calculations; unit conversions; basic statistics; basic algebra; using calculators; using measurement devices.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

## WES 170 Introduction to Computers

This course provides students with an introduction to computers, including basic computer functions; file management; basic troubleshooting; using operating systems; internet navigation; overview of Microsoft Office Word, Excel, PowerPoint and Outlook. Students may not receive credit for both CIS 100 and WES 170.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1            | 1                     | 0                 | Upon demand       |

# Family Educational Rights and Privacy Act (FERPA)

## Why should I care about FERPA?

If you're a student, it's important for you to understand your rights under FERPA. If you're a parent, you'll need to understand how the law changes once your student enters a post-secondary institution. If you're a University employee, you'll need to understand what information can and cannot be released, and the appropriate procedures for release of student information.

## What are students' rights under FERPA?

Eligible students have four primary rights under FERPA including the right to:

1. inspect their education records,
2. consent to disclosure of personally identifiable information except to the extent that FERPA authorizes disclosure without consent,
3. seek correction of their records, to prevent inaccurate or misleading information, and
4. file a complaint with the U.S. Department of Education if they feel their rights are being violated.

## Do parents have any rights under FERPA?

In primary and secondary educational institutions (i.e., K-12), all FERPA rights belong to the parent. However, when the student reaches the age of 18 *or* begins to attend a post-

secondary institution **regardless of age**, all FERPA rights transfer to the student.

# Policy regarding personally identifiable student records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Governors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Missouri State University-West Plains to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-4605.
5. The right to obtain a copy of the written institutional policy adopted by this institution in compliance with FERPA, from the office of registration and records, Cass Hall.

## Annual notification

Missouri State University-West Plains publishes a notice of student rights under FERPA annually. Electronic bulletins are sent out to all students with the Consumer and Safety Information Notice, information is distributed to all students attending student advisement and registration (STAR) orientation and a copy of the FERPA notice and references where FERPA notification can be found is included with the Federally Mandated Information notice that is distributed to all students, faculty, and staff. The entire Policy Regarding Personally Identifiable Student Records is available on the Missouri State University-West Plains website or upon request to the office of registration and records. Additionally, information regarding FERPA is published in the undergraduate catalog.

## Records maintained

The personally identifiable educational records of each student and former student maintained by the University are open for inspection by the student except in limited cases where the privacy, confidentiality, or professional privilege of another person is involved, as authorized by law. Personally identifiable records maintained by the University are listed below. Students who wish to inspect and review their records should contact the responsible official at the location indicated.

| Type of record     | Location   | Responsible official   |
|--------------------|--|--|
| Academic           | Office of registration and records - Cass Hall   | Registrar  |
| Admission          | Office of admissions - Hass-Darr Hall  | Coordinator of admissions  |
| Career placement   | Career services office - Melton Hall   | Coordinator of career services   |
| Financial aid      | Office of financial aid - Cass Hall  | Coordinator of financial aid   |
| Advisement center* | Advisement and academic coaching center for empowering student success - Melton Hall 100 | Coordinator advisement and academic coaching center for empowering student success |
| Disciplinary       | Student life and development - Hass-Darr Hall 107C                                       | Coordinator of student life and development  |
| Residence          | Residence life - Grizzly Lofts Front Office  | Director of residence life   |

\*Advisement records are also maintained in the various departmental and faculty advisor offices.

Notwithstanding the above inclusive list, the University reserves the right to refuse to permit inspection of the following records: Financial records of parents (unless the parents have given written permission for the information to be released to their student/child); confidential letters and statements of recommendation placed in the education records of a student prior to January 1, 1975, if such letters and statements were solicited or provided with an assurance or understanding of confidentiality, and the letters and statements have been used only for the purpose for which they were intended; confidential letters and statements of recommendation placed in the education records of a student after January 1, 1975, respecting admission to an educational institution, application for employment, or receipt of



an honor or honorary recognition, provided the student has waived his/her right to inspect and review those letters and statements of recommendation; records of instruction, supervisory, and administrative personnel, and agents which are in the possession of the maker and are not accessible or revealed to any other individual except the maker's temporary substitute; employment records used only in relation to an individual's employment by Missouri State–West Plains which are maintained in the normal course of business, relating exclusively to the individual's capacity as an employee, and are not available for use for other purposes; records which relate to an individual as a person after he or she no longer attends or participates in an educational activity for which Missouri State–West Plains awards a greater credit.

## **Records inspection**

Records are not maintained in a central location on the campus. Requests to review records must be made separately to the responsible official of each office which maintains records. The responsible official shall comply with a request as soon as possible, but in no case more than 45 days after the request has been made. The request should identify as accurately as possible the specific records the student wishes to inspect and review. The University will respond to reasonable requests for explanations and interpretations of records. When a record contains personally identifiable information about more than one student, a student may inspect only that information which relates to him/her.

A student has the right to a copy of any educational record to which he/she is permitted access under this policy. The student is responsible for the cost of reproduction. The cost of reproduction shall be the usual rate charged by the administrative unit handling the request, but the charge shall not exceed 10 cents per page.

A student may waive the right to inspect personally identifiable records maintained by Missouri State University-West Plains, but the University may not require such a waiver as a condition of attendance.

## **Request to amend education records**

A student who believes that information contained in his/her education is inaccurate, misleading or violates privacy or other rights may request that the records be amended. The responsible official shall then decide whether or not to amend the record. If the record is not amended, the student will be advised of his/her right to a hearing.

## **Challenge hearing**

In most cases, the decision of the responsible official will be final. However, a student may elect to file an appeal in writing to the chief academic officer in order to challenge the content of the educational record. (This right extends to reviewing grades only where the grade assigned by the professor is allegedly inaccurately entered into a record.) A disinterested hearing officer will be appointed who shall afford the student full opportunity to present evidence in support of the challenge. The hearing shall be held within a reasonable period of time, not to exceed thirty (30) days under normal circumstances, after the institution has received the request, and the student shall be given notice of the date, place and time reasonably in advance of the hearing. The student shall be afforded a full and fair opportunity to present evidence relevant to the issues, and may be assisted or represented by individuals

of his or her choice at his or her own expense, including an attorney. The hearing officer shall render a decision within a reasonable time after the hearing, not to exceed thirty (30) days, and inform the student in writing of the outcome. The decision shall be based solely upon the evidence presented at the hearing and shall include a summary of the evidence and the reasons for the decision. If the hearing officer decides that the record is not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student, the student shall then have the right to place in the education record a statement commenting upon the information in the education record and/or setting forth any reasons for disagreeing with the decision of the hearing official. Any such written explanation then becomes a part of the education record. If the education records of the student or the contested portion thereof is disclosed to any party, the explanation shall also be disclosed to that party.

## Access

Information contained in a student's records remains confidential between the student and Missouri State University-West Plains and will not be released to third parties without the written consent of the student, with the following exceptions:

1. Releases to the following University faculty, staff, and other designated officials, who, to carry out their responsibilities, have a legitimate educational interest.
  - a. Members of the Board of Governors;
  - b. A person approved by and under contract or appointment to the University Board of Governors in an academic or faculty position;
  - c. University administrators;
  - d. A person employed by the University as a temporary substitute for an administrative staff member or faculty member for the period of his or her performance as a substitute; and,
  - e. A person employed by the University or under contract to the Board of Governors or otherwise performing a special administrative task. These will be persons such as secretaries, clerks, attorneys, auditors, disciplinary and judicial panel members including appointed students, and consultants, for the period of their performance as an employee or contractor.

University officials who meet the criteria listed above will have access to personally identifiable information contained in student education records if they have a "legitimate educational interest" defined as the need to know in order to:

1. Releases in accordance with lawful subpoena or court order. The University will make a reasonable effort to notify the student before it makes disclosure under this provision, unless such disclosure is in compliance with a federal grand jury subpoena or other subpoena issued for law enforcement purpose and the court or other issuing agency has ordered the existence or contents of the subpoena or the information furnished in response to the subpoena not be disclosed;
2. Releases to representatives of agencies or organizations from which the student has received financial aid or to whom the student has applied to receive financial aid in order to: (a) establish the student's eligibility for the aid; (b) determine the amount of the financial aid; (c) establish the conditions for the receipt of the financial aid; or (d) enforce the terms of the agreement between the provider and receiver of the financial aid;
3. Releases to officials of other educational institutions to which the student seeks or intends to enroll may be forwarded on request by the institution. The student may request a copy of records transferred, as well as an opportunity for hearing as described in this

- policy, upon request by the student;
4. Releases to others specifically exempted from the prior consent requirement by the act (including personally identifiable information contained in a student's educational record which state law adopted prior to November 1974, required the University to disclose to state or local officials, or pursuant to state statute adopted after November 19, 1974, concerning the juvenile justice system and its ability to effectively serve, prior to adjudication, the student whose records are released and the officials to whom the records are disclosed shall certify in writing that the information will not be disclosed to any other party, except as provided under state law, without prior written consent), and in circumstances where the University has entered into a written agreement or contract for an organization to conduct a study on the University's behalf to develop tests, administer student aid or improve instruction, if the study does not permit personal identification of parents and students by individuals other than the representatives of the organization and the information is destroyed or no longer needed for the purposes for which the study was conducted;
  5. Releases to accrediting organizations to carry out their accrediting functions;
  6. Releases to a court in cases of legal action between the University and a parent or student of education records of the student that are relevant to the legal action;
  7. Releases of "directory information"; (see section "directory information," following);
  8. Releases to parents of the student if the parents claim the student as a dependent under the Internal Revenue code. The University will exercise this option only on the condition that evidence of such dependencies furnished to the Registrar and all requests for disclosures under this provision are referred to that office;
  9. Releases to appropriate parties in connection with a health or safety emergency if the official deems:
    - a. The disclosure to be warranted by the seriousness of the threat to the health and safety of the student or other persons;
    - b. The information is necessary to meet the emergency;
    - c. The persons to whom the information is to be disclosed are qualified and in a position to deal with the emergency; and
    - d. Time is an important and limiting factor in dealing with the emergency.
  10. Disclosure to authorized representatives of the Comptroller General of the United States, the Secretary of Education, or state or local educational authorities (including Veterans Administration programs) in connection with an audit or evaluation of federal or state-supported programs or for the enforcement of compliance with federal legal requirements related to those programs, or to the Attorney General of the United States, provided the information is protected in a manner that it does not permit personal identification of individuals by anyone except the officials, and the information is destroyed when no longer needed for purposes listed in this paragraph;
  11. Releases of "criminal investigation and incident reports" of the office of student services pursuant to the order issued by the United States District court, Western District, Southern Division dated March 13, 1991.
  12. Releases to an alleged victim of any crime of violence, as the term is defined in Section 16 of Title 18, United States Code, or a non-forcible sexual offense, the final results of any disciplinary proceedings conducted by the University against the alleged perpetrator of that crime with respect to that crime, regardless of whether the institution concluded a violation was committed.
  13. Upon appropriate request and pursuant to the Sunshine Law, including payment of appropriate fees and costs, the University will release the final results (defined as the name of the student charged, the violation that the student was found to have committed, and any sanction imposed by the University on that student) of any disciplinary

proceeding under the Code of Student Rights and Responsibilities against a student who is an alleged perpetrator of a crime of violence (as that term is defined in Section 16 of Title 18 of the United States Code), or a non forcible sex offense, if the Plaintiff determines as a result of that disciplinary proceeding that a student committed a violation of the University's rules or policies with respect to such crime or offense, as authorized by 20 U.S.C. § 1232g(b)(6)(B) and (C).

14. When the University has determined a student has committed a disciplinary violation with respect to campus rules regarding the use or possession of alcohol or a controlled substance, the University may disclose to parents or legal guardians such information if the student is less than 21 years of age and has been found responsible for violating campus rules regarding the use or possession of alcohol or a controlled substance. Parents or guardians of students under the age of 21 can be notified of such determinations regarding violations of University narcotic or other controlled substance policies and those alcohol violations that result in an assessment for chemical dependency, residence hall probation, or a more severe sanction. Officials of the University may not disclose personally identifiable information contained in the student's education record, except directory information, absent circumstances listed above, except with the student's written consent. The written consent must include, at least: (1) a specification of the information the student consents to be disclosed; (2) the purpose for which disclosure may be made; (3) the person or organization or the class of persons or organizations to whom disclosure may be made; and (4) the date of the consent and, if appropriate, the date when the consent is terminated. Such written consent may be given directly to the University by the parent or eligible student, or by the party seeking the student's educational record having obtained such written consent from the parent or eligible student. The student may obtain a copy of any records the University discloses by the student's written consent.

## Records of disclosures

For each request for disclosure of information contained in the student's education record or for access to the record made by persons other than university officials or the student or parent, to disclosures made pursuant to court orders and subpoenas pursuant to paragraph 2 above, to disclosures of directory information, or to those requests accompanied by the student's prior written consent, the University will maintain a record of such requests and disclosures, except for requests for directory information, which indicates: (1) the parties who have requested or obtained personally identifiable information from the education records of the student; and (2) the legitimate interests these parties had in requesting or obtaining the information. Students are permitted to inspect the record of disclosures. A record of request and disclosure will not be maintained if the student provides written consent prior to the disclosure.

The University will not release information containing any student's education records, except directory information, to any third parties except school officials, to lawfully issued court orders and subpoenas, to parents of students under paragraph 9 or 13, or pursuant to the Sunshine Law under paragraph 12, except on the condition that the party to whom the information is disclosed will not disclose personally identifiable information without the prior written consent of the student (or parent for elementary or secondary students). All such disclosures will inform the party to whom the disclosure is made of this requirement.

## Directory information

"Under the Family Educational Rights and Privacy Act (FERPA); the University is required to identify and make available upon request, to those needing such information, directory information which has been so identified. Other non-directory information is available to Missouri State–West Plains faculty and staff who have a "need to know" this information to conduct business and provide service to students, unless that information is prohibited from release by either a Privacy Hold, or a FERPA Hold."

For distribution to the general public, Missouri State University-West Plains has defined the following as directory information:

1. Name
2. Address
3. Phone number
4. BearPass Email
5. Major field of study
6. Classification (e.g. sophomore)
7. Enrollment status (full-time, part-time, or less than part-time)
8. Participation in recognized activities and sports, including photographs of athletes,
9. Dates of attendance, (including matriculation and withdrawal dates),
10. Degrees and certificates received including date awarded as well as lists of graduates to newspapers.
11. Awards received, Including dean's list and chancellor's list scholastic honors, departmental honors, memberships in national honor societies, athletic letters, and university-funded scholarships (excluding those that are need based)
12. Previous education institutions attended.

With appropriate student approval, indications of religious preference along with name, address and local telephone number can be distributed to the Campus Ministries Association.

Requests for verifications of degrees or enrollment will be directed to the National Student Clearinghouse. Requestors may request this information online at [www.degreeverify.org](http://www.degreeverify.org).

Directory information may be disclosed by the University for any purpose at its discretion, without the consent of a student. However, **A FERPA hold** may be requested by currently-enrolled students. This non-disclosure option means that the university may not release any directory information about the student (except as permitted under the provisions of FERPA). The University may not even acknowledge to third parties that the person is a student at the institution.

## FERPA Hold-Request to Prevent Disclosure of Student Information

In accordance with the FERPA Policy, currently enrolled students may request that the University not release any "directory information" by submitting a "Request to Prevent Disclosure of Student Information"

Submit your form one of the following ways:

- In person at the Office of the Registrar, Cass Hall. Our office hours are Monday Friday 8:00 a.m. to 5:00 p.m.
- Mail to: Office of the Registrar, Missouri State University-West Plains, 128 Garfield Ave.

West Plains, MO 65775 **(Include a copy of your student ID)**

- Email scanned form to [WPRR@missouristate.edu](mailto:WPRR@missouristate.edu) from your Missouri State University email account
- Fax to 417-255-7977 **(Include a copy of your student ID)**

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## FERPA Hold Removal

To rescind a FERPA hold, complete the FERPA Hold Removal form and bring it and your student ID to the Office of the Registrar, Cass Hall, for processing.

Download Ferpa Hold Removal

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## Release of Information Authorization

A student may authorize the University to disclose education records that are otherwise protected under FERPA. The release form must be completed, signed, dated, and must specify the records to be disclosed and the identity of the recipient. Forms are accepted in person, from the student's MSU email account or by mail or fax if the form is notarized.

Download Release of Information Authorization form

Submit your form to the office to whom you have authorized to disclose your education records in one of the following ways:

- In person (you must display a photo ID or else, have your form notarized).
- Mail notarized form to: (Office Name), Missouri State University, 901 S. National Ave, Springfield, MO 65897
- Email scanned, notarized form to the department email account from your Missouri State email account
- Fax notarized form to the department

A list of departments can be found here: [Helpful Phone Numbers](#).

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The University will give annual public notice to students of the categories of information designated as directory information. Currently-enrolled students have the right to suppress disclosure of their directory information by requesting a FERPA Hold. These holds do apply retroactively to previous releases of directory information and will remain applicable until the student submits a written request specifying otherwise.

Any student refusing to have directory information disclosed must file written notification to this effect requesting a Privacy Hold or FERPA Hold with the University during regular business hours. Forms for this purpose are available in the office of registration and records, Cass Hall. The written notification does not apply retroactively to previous releases of directory information (e.g., once the Campus Directory has been published, the directory information contained therein will remain). To prevent publication of directory information in the campus directory, written notification must be filed no later than the second week of classes during the fall semester.

In the event a refusal is not filed, the University assumes that a student does not object to the release of the directory information designated.

## Where can I find more information about FERPA?

- The entire Missouri State Student Rights (FERPA) Policy is available in the University Policy Library.
- Many questions are addressed in the FERPA Frequently Asked Questions. Contact the Office of the Registrar, Cass Hall Room, 417-255-7979, if you have any additional questions.
- A FERPA online training program is available to all University employees in My Missouri State → Profile Tab → Professional Development Channel → My Learning Connection.
- More information is available on the U.S. Department of Education's FERPA website.

## Information

Further information about education records and the process of obtaining access to records may be obtained in any of the offices listed in this document or from the office of registration and records, Cass Hall.

## FERPA Contact List

- Laurie Wall, Registrar
- Rachael Dockery - General Counsel

# Academic Accommodation of Students with Disabilities

## Accommodation Policy

Missouri State University-West Plains is committed to providing an accessible and supportive environment for students with disabilities. Equal access for qualified students with disabilities is an obligation under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

Students seeking service are responsible for notifying the University of their disabilities, requesting academic accommodation(s), and providing documentation of the disability from a qualified professional. Documentation must include necessary evidence of a disability-related need for the requested accommodation(s). Accommodation(s) cannot be based simply on the student's preferences; students must show a legitimate purpose for requesting an academic accommodation. Such accommodation(s), auxiliary aids, and services cannot alter the fundamental nature of the course or program of instruction. In addition, auxiliary aids and services cannot result in an undue burden to the University. Auxiliary aids and services as defined by law will be provided without cost to a student entitled to such aid. Students generally will not be provided devices or services of a personal nature, such as attendants, individually prescribed devices or readers for personal use or study.

Students requesting academic accommodation(s) should contact the disability services coordinator in the advisement and academic coaching center for empowering student success (ACCESS) at [\(417\) 255-7222](tel:417-255-7222) (voice) or [\(417\) 255-7715](tel:417-255-7715) (TTY).



# Academic Freedom

The University is committed to freedom of thought and inquiry for both faculty and students. This commitment ensures the protection of the faculty's freedom to teach, research, and publish in their professional capacities without restraint or fear of reprisals. Academic freedom is essential to the University's instruction and research programs. Freedom in research is fundamental to the advancement of truth. Academic freedom in instruction is essential for the protection of the rights of faculty to teach and of the students' freedom to learn.

# Academic Honors

Special distinction is awarded at graduation to students who demonstrate high scholarship in completing an associate degree. Honors will be granted if a student has attained a cumulative grade point average calculated on the basis of all college work (Missouri State University-West Plains and transfer combined). The following designations indicate a consistently high level of academic achievement throughout a student's entire academic career and will be acknowledged in the academic transcript and at commencement:

- *Summa Cum Laude*: a cumulative GPA of 4.000
- *Magna Cum Laude*: a cumulative GPA of 3.700-3.999
- *Cum Laude*: a cumulative GPA of 3.400-3.699

*With Honors from the Missouri State University-West Plains Honors Program*: Any student enrolled in the Honors Program who completes the requirements of the Associate of Arts degree in General Studies is awarded that degree "With Honors from the Missouri State University-West Plains Honors Program."

# Academic Integrity

## Student Academic Integrity Policies and Procedures

### Declaration of University Community Principles Missouri State University-West Plains

#### *Preamble*

Community, civility, expression of freedom of thoughts, personal and academic integrity, tolerance and the search for knowledge and truth are the essence of University life. A University is a community whose common purpose is the creation, preservation and sharing of knowledge and understanding. The search for knowledge and truth requires a rational discourse. Discourse, in turn, requires honesty, civility, a commitment to personal and academic integrity, freedom of expression, freedom of thought and tolerance towards others' views. The community helps to protect the rights of the individual and promote self-actualization. Thus, the community promotes the ideals necessary to engage in the pursuit of knowledge and truth.

The primary participants of this community are administrators, students, faculty and staff who themselves come from a variety of external communities and varied backgrounds. Before becoming a member of the community of scholars that is Missouri State University-West Plains, one should fully understand the nature of that choice. The community derives its strength from each individual participant in it. Each individual derives strength from his/her association with and participation in the community. The individual must sustain the community in order for the community to function, protect, and sustain the individual. In order for this interaction to take place, the principles stated in this document must be the foundation for and common goal of the community. Behaving civilly implies acting in a

manner consistent with these principles, and encouraging these behaviors in others. Adherence to the principles is voluntary and cannot be compelled. Discovering the natural benefit of these principles is a virtue. These principles are of little use in themselves; they must be practiced effectively.

## ***Principles***

The community of scholars that is Missouri State University-West Plains is committed to developing educated, independent thinking persons. It is believed that educated, independent thinking persons will accept responsibility to act in accordance with the following principles:

- Practicing personal and academic integrity.
- Being a full participant in the educational process and respecting the right of all to contribute to the "Marketplace of Ideas."
- Treating all persons with civility, while understanding that tolerating an idea is not the same as supporting it.
- Being a steward of the resources of the community.
- Promoting the unity of the community while still striving to enhance self-actualization.
- Seeking to create, preserve, and share knowledge and truth in understanding.

Choosing to accept these principles suggests that each participant of the community refrains from and discourages behavior that threatens the freedom and respect each member deserves.

## **Introduction**

The community of scholars that is Missouri State University-West Plains is committed to developing educated persons. Educated persons accept the responsibility to practice personal and academic integrity. Each participant of the University community refrains from and discourages behavior that threatens the freedom and respect each member deserves. The following policies and procedures specifically address student academic integrity, but recognize that student academic integrity is only part of the entirety of academic integrity in a community of scholars, and that all members of the community share the responsibility for fostering academic integrity.

The *Missouri State University-West Plains Faculty Handbook* states that course policy statements must include a statement of the instructor's policies concerning cheating and plagiarism, including consequences. An instructor's policies on academic integrity issues, while they may reflect the instructor's personal views, should also be consistent with this University policy on student academic integrity.

## **Definitions**

**Definition: Academic Dishonesty:** Any one of the following acts constitutes academic dishonesty:

- **Cheating:** The term cheating refers to using or attempting to use unauthorized technology, materials, information or study aids in any academic exercise.
- **Fabrication or other misconduct in research:** The term fabrication refers to unauthorized falsification or invention of any information (including research data) or any citation in any academic exercise; misconduct in research refers to any violation of ethical

guidelines for attributing credit and authorship in research endeavors, non-compliance with established research policies, or other violations of ethical research practice.

- **Plagiarism:** The term plagiarism includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work or sections of a work of another person without full and clear acknowledgement, (whether intentional or not.) This includes any material copied directly or paraphrased from the Internet. The unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials, including material taken from or ordered through the Internet, also constitutes plagiarism.
- **Facilitating academic dishonesty:** Assisting or attempting to assist another to violate any provision of this Academic Integrity Policy, whether or not that action is associated with any particular course, is considered academic dishonesty.

## **Definition: Academic Integrity Council (AIC):**

*The Academic Integrity Council is charged by the academic dean to:*

- (1) enforce the Missouri State University West Plains academic integrity policy, following the procedures stated herein;
- (2) periodically review and amend these policies and procedures, subject to approval of substantive changes by the academic dean, Faculty Senate, Student Government Association and/or Board of Governors;
- (3) organize/conduct campus activities designed to educate members of the campus community on matters of academic integrity and the academic integrity policy, and promote a campus-wide climate of academic integrity.

*The 16-member Academic Integrity Council (AIC) consists of:*

- seven voting student members;
- seven voting ranked faculty members;
- the academic dean (or designee), who is the non-voting chair of the Council;
- the coordinator of student life and development, *ex officio* (without voting privileges);

Faculty members must not hold administrative appointments during the time of service on the Council. The Council is charged with overseeing Academic Integrity Proceedings, and the Council may convene an Academic Integrity Proceeding at its discretion. The Council may also undertake other activities intended to foster academic integrity.

Voting members of the Academic Integrity Council are selected by appointment from the Faculty Senate chair and the SGA president.

**Terms:** Student members of the council are appointed for one-year terms, and may be reappointed a subsequent one-year term. Faculty members are appointed for staggered two-year terms and may be reappointed for subsequent terms.

**Definition: Academic Integrity Proceeding:** An Academic Integrity Proceeding is conducted by a five-member panel drawn from the voting AIC membership. The purpose of a proceeding is to explore and investigate allegations of student academic dishonesty and to reach informed conclusions as to whether or not academic dishonesty is likely to have occurred. An Academic Integrity Proceeding is not in the character of a criminal or civil legal proceeding. It is not modeled on these adversarial systems, nor does it serve the same functions. A proceeding is not a court or tribunal. Rather, it is an academic process unique to

a community of scholars.

**Definition: Academic Integrity Council Panel (AIP):** An Academic Integrity Panel consists of five-members: five voting panelists drawn from the membership of the AIC, plus the chair of the AIC, who is a non-voting member of the panel and responsible for assembling the panel and conducting the proceeding. Five voting panelists constitute a quorum for a proceeding, and at least two but no more than three panelists must be students.

## Reporting Academic Dishonesty

All members of the University community share the responsibility and authority to challenge and make known acts of apparent academic dishonesty. Any student, faculty member, or staff person who has witnessed an apparent act of student academic dishonesty, or has information that reasonably leads to the conclusion that such an act has occurred or has been attempted, is strongly encouraged to report said act. Confronting and reporting academic dishonesty can be done in a variety of ways, and people should choose the manner most appropriate for the circumstances. Acts of apparent academic dishonesty that occur in the classroom may be reported directly to the course instructor, and/or the course instructor's department head, and/or the instructor's college dean. Incidences of apparent academic dishonesty whether associated with a particular course or not, may also be reported directly to the Academic Integrity Council by contacting the chair of the Council (the assistant dean for academic affairs or designee) in the office of academic affairs. The Academic Integrity Council will not accept or act upon anonymous reports but will hold in strict confidence the identity of any person reporting a suspected instance of academic dishonesty, unless that person consents to having his/her identity revealed. If the act of academic dishonesty that is reported to the AIC is alleged to have occurred in a particular course, the AIC chair will notify the course instructor of the allegation. If the instructor elects not to pursue sanctions or if the reported allegation is not associated with any particular course, the AIC chair will convene an Academic Integrity Panel to conduct an Academic Integrity Proceeding to explore the allegation, provided that at least one person making an allegation is willing to be identified and to participate in the proceeding.

## Academic Dishonesty Not Associated With Enrollment in a Course

Any incident of alleged academic dishonesty by a student not enrolled in a particular course but sitting in the course for a student duly enrolled (For example, taking a test for a duly-enrolled student) should be reported directly to the AIC, which will convene a panel to address the alleged incident. Similarly, any incident of alleged academic dishonesty committed by any student at Missouri State University-West Plains outside the context of enrollment in any particular course should be reported directly to the AIC, which will convene a panel to address the alleged incident.

## Addressing Alleged Academic Dishonesty And Notifying the AIC of an Alleged Incident

Ideally, an allegation of cheating, plagiarism or other form of academic dishonesty committed within the context of a particular course is first addressed in a personal meeting between the instructor of the course in which the alleged violation occurred and the student involved in the alleged act. The student is allowed to present relevant evidence at this meeting, and the

matter may be resolved by either the instructor dropping the allegation or the student accepting the instructor's sanction(s). If the allegation is dropped, no further actions are taken. If the allegation is not dropped and the student accepts the instructor's sanction(s), with or without admitting guilt, the instructor may impose the sanction(s) directly (refer to section on Instructor Sanctions) and will provide a written description of the incident and the sanction(s) imposed to the student, the department head and the chair of the AIC to be maintained as part of AIC records, so that repeat offenders may be more easily detected. When a report of academic dishonesty is received by the AIC, the AIC chair sends the student a letter informing the student that the AIC has received notice from the instructor of the alleged incident. The student is informed that the notice will be kept on file in the office of academic affairs, and, by itself, will have no impact on the student's academic standing and progress at Missouri State University-West Plains. The student is also informed that should he or she ever be charged with another act of academic dishonesty, the previous notice may be taken into consideration.

If the matter cannot be resolved in the meeting between the instructor and the student (i.e., the student does not accept the sanction(s) and the instructor wishes to pursue the allegation), the instructor must provide to the student a written summary of the alleged incident and intended sanction, with a copy of this written summary to the instructor's department head. The instructor's written summary must include:

- the student's full name and student identification number, the semester and year, the course and section number of the course in which the alleged violation occurred;
- the nature of the alleged violation, the intended sanction and what, if any, effect the sanction will have on the student's grade in the class;
- a statement informing the student of the right of appeal to the department head, and also informing the student that the deadline for appealing to the department head is one calendar week from date of receipt of the written summary of the incident;
- the reason for choosing the assignment of 'XF'.

Within one week of receipt of the instructor's written summary of the allegation, the student who wishes to appeal must submit to the department head his/her own written summary of the grounds for appeal or review. Before rendering a decision, the department head will review the documentation and meet separately with the instructor and the student who initiated the appeal. The department head must advise the instructor and the student in writing of his/her decision, and must also inform the instructor and the student that either has the right to appeal the department head's decision to the AIC. The department head must also send a detailed report of his/her decision along with pertinent documents to the Academic Integrity Council, in care of the office of academic affairs, so that multiple acts of academic dishonesty by the same student in different courses may be more easily detected. The Academic Integrity Council will maintain confidential files related to student academic dishonesty, and the chair of the AIC can convene a panel to address repeated allegations of academic dishonesty that may accumulate against a particular student.

A faculty member must allow a student who is appealing an allegation of academic dishonesty to continue attending the class in which dishonesty has been alleged until the right of appeal has been exhausted. If the student drops the class in which academic dishonesty is alleged to have occurred, sanctions for academic dishonesty may still be imposed, including those that involve a revision of the student's transcript (For example, an N grade recorded when the student dropped the course may be revised to 'XF' if that sanction has been upheld).

# Instructor Sanctions

The instructor can impose the following sanctions only if those sanctions are specified in the instructor's course policy statement, either by explicitly listing the sanctions or by a direct reference to the academic integrity policy, including directions for obtaining the policy on the web or at the library. The maximum penalty an instructor can impose is a failing grade in the class. The failing grade can, at the instructor's option, indicate failure due to academic dishonesty, as described below. Instructor sanctions that may be specified in course policy statements include:

- denying credit on an assignment and/or examination;
- requiring additional assignments and/or examinations;
- lowering the student's course grade;
- issuing a failing course grade ('F');
- issuing a failing course grade of 'XF', which indicates that this failing grade was due to academic dishonesty. The grade 'XF' shall be treated as an 'F' grade for the purposes of grade point average, course repeatability, and determination of academic standing.
- To issue a course grade of 'XF' the instructor must notify the office of academic affairs in writing that he/she intends to impose this sanction. The office of academic affairs will then notify the office of registration and records. The instructor will indicate a grade of 'F' on the grade roster.

No grade-related sanction may be imposed until a student admits misconduct and/or forgoes appeal rights, or is found in violation after an AIC proceeding. If misconduct is found the faculty member and the student will jointly fill out an Academic Integrity Sanctioning agreement. **If an academic integrity matter is pending at the end of a semester, the faculty member must assign an Incomplete (I) for the course until the matter is resolved.**

If a student accepts the sanction of 'XF' and chooses not to appeal it, the instructor will be asked by the AIC chair to submit a recommendation on when the "X" part of the grade might be removed (see "Appeal for Removal of 'XF' Grade").

## Student Request for an Academic Integrity Proceeding

If the dispute is not resolved at the departmental level to the satisfaction of the student, the student may submit a written request for an Academic Integrity Proceeding to the Academic Integrity Council, in care of the office of academic affairs. Requests must be presented to the AIC within fifteen (15) academic days (days when classes are in session) from the date of the department head's decision. The AIC chair or designee will select the date, time and place for the Academic Integrity Proceeding, and will make a reasonable attempt to accommodate the student's schedule. The student, the instructor, the instructor's department head and assistant dean will be notified in writing a minimum of fifteen (15) academic days (days when classes are in session) prior to the proceeding, and will be provided with information about the proceeding. In addition, anyone lodging a confidential allegation with the AIC will be notified of the date, time and place of a proceeding to address that allegation.

## Instructor Request for an Academic Integrity Proceeding



If a dispute is not resolved at the departmental level to the satisfaction of the instructor, or if the instructor believes a more severe sanction than those that can be imposed by instructors is warranted, (For example, suspension or expulsion) then the instructor may submit a written request to the Academic Integrity Council, in care of the office of academic affairs, for an Academic Integrity Proceeding. Requests must be presented to the AIC within fifteen (15) academic days (days when classes are in session) from the date of the instructor's imposition of sanction (if the instructor seeks additional sanctions), or from the date of the department head's decision (if the instructor is appealing that decision). The Chair of the AIC will notify the student in writing of the instructor's request for a proceeding. An Academic Integrity Proceeding initiated by instructor request will take place in the same manner as one initiated by a student appeal.

## **Academic Integrity Proceeding**

An Academic Integrity Proceeding is conducted by a five-member Academic Integrity Panel assembled by the Chair of the AIC for that purpose. In keeping with the ultimate premise and justification of academic life, the duty of all persons at an Academic Integrity Proceeding is to assist in a thorough and honest exposition of related facts. The role of the Chair is to exercise impartial control over the Academic Integrity Proceeding in order to achieve an equitable, orderly, timely and efficient process. The chair is authorized to make decisions and rulings as are necessary and proper to achieve that end, including such decisions and rulings as pertain to scheduling and to the admissibility of documentation.

Fostering academic integrity is best achieved when people confront academic dishonesty openly; however, it is also recognized that doing so can create personal risk in some situations. Therefore, people alleging academic dishonesty against a particular student will be allowed to participate in the proceeding by submitting written statements rather than appearing before the panel, under the condition that at least one person who has alleged academic dishonesty against a particular student is willing to reveal his/her identity to the student. When requested, the written statements may be confidential, and the identity of the person submitting a written statement known only to the AIC chair. In order for any proceeding to occur, at least one person (usually the course instructor) who has lodged an allegation of academic dishonesty against a student must be willing to participate in the proceeding. Witnesses who have been requested to appear but cannot be present at a proceeding because of scheduling problems may submit written statements. Statements must be signed, dated, and received by the office of academic affairs at least twenty-four (24) hours prior to the time the proceeding is to commence. The contents of submitted written statements will be disclosed during the proceeding and will enter into the deliberations of the panel. The AIP may at its discretion interview a person submitting a confidential written statement in a closed session, but will not be required to do so. A confidential written statement can be used to support other evidence of academic dishonesty, but cannot be used as the sole basis for a finding of dishonesty. A person wishing to maintain confidentiality should recognize that confronting dishonesty openly and directly may have greater impact than a confidential written statement.

The sequence of an Academic Integrity Proceeding is necessarily controlled by the nature of the incident to be investigated and the character of the information to be examined. It thus lies within the judgment of the chair to fashion the most reasonable approach. The following steps, however, have been found to be efficient, and are generally recommended:

- Prior to the proceeding, members of the AIP will review all materials submitted by both

the instructor and the student, as well as documents presented by other interested parties. The panel may request additional material or the appearance of other persons at the proceeding.

- At the discretion of the chair, the materials to be reviewed by the AIP may also include information about prior incident(s) of academic dishonesty in which the student has been involved and which have been reported to the Academic Integrity Council if, in the judgment of the chair, that information is relevant to the current allegation.
- Alternatively, the Chair may withhold from the AIP information about prior incidents until after the panel has reached a decision on the current allegation if, in the judgment of the chair, the prior incident(s) are not directly relevant to the allegation at hand; however, if the current allegation is upheld and there are prior incidents of academic dishonesty that have been reported to the AIC, the details of the prior incident(s) will be revealed to the AIP at the conclusion of their deliberation. The panel will then determine if it wishes to impose additional sanctions because of the repeated offenses.
- The student against whom an allegation has been lodged may present relevant information or arguments before the panel. If a documented disability prevents the student from speaking, a non-attorney advisor may speak on behalf of the student. This does not preclude the student from being directed to testify and to reply to questions directed to him/her.
- The student against whom an allegation has been lodged may be accompanied by an interpreter. It is the student's responsibility to arrange to have an interpreter present at the proceeding.
- The student against whom an allegation has been lodged may also be accompanied by an advisor, who may be an attorney. The role of the advisor during an Academic Integrity Proceeding will be limited to providing confidential advice to the responding student, provided such advice does not interfere with or disrupt the Academic Integrity Proceeding.
- Even if accompanied by an advisor, the student must take an active and constructive role in the Academic Integrity Proceeding. Specifically, the student must fully cooperate with the AIP and respond to its inquiries without intrusion by an advisor.
- In consideration of the limited role of advisors, and of the compelling interest of the University to expeditiously conclude the matter, the work of an AIP will not, as a general practice, be delayed due to the unavailability of an advisor, except in the case of a documented disability requiring a non-attorney advisor be present.
- If the student against whom an allegation has been lodged has been properly notified of the proceeding, but fails to appear, the proceeding may take place in his/her absence and the panel's decision will be binding. Only under exceptional circumstances (to be determined by the Chair of the Academic Integrity Council) will a new proceeding be granted on the basis of absence. A student who is unable to attend because he or she is no longer residing in the area may arrange to participate in the proceeding via videoconferencing or other long-distance communication techniques.
- The instructor, the student, and all members of the AIP may question any person giving testimony.
- The instructor, and then the student, may make summary statements of up to five minutes to close the proceeding.
- The presence of others at an Academic Integrity Proceeding lies within the judgment of the chair. An Academic Integrity Proceeding is a confidential investigation. It requires a deliberative and candid atmosphere, free from distraction. Accordingly, it is not open to the public or other interested persons; however, at the student's request, the chair will permit a student's parent(s) or legal guardian(s) and/or spouse to observe and may permit a limited number of additional observers. The chair may cause to be removed from

- the Academic Integrity Proceeding any person who disrupts or impedes the investigation, or who fails to adhere to the rulings of the chair. The chair may direct that persons, other than the responding student or the instructor, who are to be called upon to provide information be excluded from the Academic Integrity Proceeding except for that purpose.
- Witnesses who have direct knowledge related to the allegation (and who have been approved by the Academic Integrity Council chair 48 hours prior to the proceeding) may be requested by either the student or instructor. Generally, no more than two witnesses will be approved for either side, and they must be able to provide relevant information/viewpoints. Each witness will be given a few minutes to provide testimony, and then must be willing to answer questions from the panel and others participating in the academic integrity proceeding.
  - It is the responsibility of the person desiring the presence of a witness before an AIP to ensure that the witness appears. Because experience has demonstrated that the actual appearance of an individual is of greater value than a written statement, the latter is discouraged and should not be used unless the individual cannot or reasonably should not be expected to appear. The work of an AIP will not, as a general practice, be delayed due to the unavailability of a witness.
  - At the discretion of the AIC chair, the proceeding may be extended to an additional meeting.
  - After the proceeding, the AIP may meet privately to discuss the case. The panel will reach a finding by a simple majority vote conducted by secret ballot. The chair is a non-voting member of the panel.
  - The AIP will determine a student has engaged in academic dishonesty only when such a conclusion is warranted by compelling, convincing evidence presented at the proceeding. If this is not the case, the AIP will dismiss the charge of academic dishonesty.
  - If the charge is dismissed, the student will suffer no penalties for the alleged infraction, including any prior penalties imposed by the instructor or anyone else in regard to that infraction.
  - The AIP chair shall provide the student, the instructor, the department head, and the assistant dean, if the student's record is affected, the office of registration and records, a written report of the AIP's determination. A copy of the panel's report will be maintained in the office of academic affairs.
  - If an allegation is upheld by an AIP, the chair shall advise the student of his/her right to request a review of the panel's findings of responsibility and/or the sanction(s). (See Review and Appeal Process)
  - If an allegation is upheld and the sanction is a grade of 'XF' the AIP (Academic Integrity Panel) will make a recommendation on when the "X" part of the grade might be removed, if appealed by the student. The student will be notified of this recommendation.
  - If the allegation is upheld and the sanction is a grade of 'XF' the instructor will also be asked by the AIC chair to submit a recommendation on when the "X" part of the grade might be removed, if appealed by the student (see "Appeal for Removal of 'XF' Grades").
  - An Academic Integrity Proceeding is not a trial. Formal rules of evidence commonly associated with a civil or criminal trial may be counterproductive in an academic investigation and proceeding and shall not be applied. The chair will accept for consideration all matters that reasonable persons would accept as having probable value in the conduct of their affairs. Unduly repetitious, irrelevant, or personally abusive material will be excluded.

## **Academic Integrity Council Sanctions/Recommendations**

If the AIP finds convincing evidence of an attempted or actual act of academic dishonesty by a student, the panel may impose one or more of the following sanctions. They may also impose any lesser sanction, but should follow the recommended sanctions in situations of multiple offenses.

#### 1st Offense

- Failing grade on initial assignment
- Failing grade in course
- Requiring redoing of assignment
- Additional assignments regarding Academic Integrity
- Required service to the University and/or required service to the community
- Conference with assistant dean and Instructor

#### 2nd Offense

- Required service to the University and/or required service to the community
- Discretionary assignments such as educational programming
- Conference with assistant dean and coordinator of student life and development
- Denial of privilege to hold office in any student organization
- Denial of privilege to represent the University in any intercollegiate activity

#### 3rd Offense

- 'XF' grade
- Suspension or expulsion recommendation to the office of student life and development
- Recommendation to the dean for academic affairs that a degree already granted be revoked, even if all degree requirements are met.

These sanctions may be in addition to sanctions imposed by the instructor. An 'XF' grade imposed by the panel will supersede any grade sanction imposed by the instructor.

In addition, the panel may require a student to complete the eight-hour Multimedia Integrity Teaching Tool (MITT), administered by the office of academic affairs.

Generally, subsequent findings of academic dishonesty or dishonest acts of premeditation, falsification of papers or conspiring with others will merit more severe sanctions, including the possibility of suspension or expulsion.

## Review and Appeal Processes

**Request for Immediate Review:** In cases where an AIC proceeding has determined the appropriate sanction to be less than suspension or expulsion, both the finding of responsibility and the sanction(s) will be final, unless, within 15 academic days (days when classes are in session) after the AIC's written decision is sent to the student, the student notifies the AIC in writing of a request for review of the panel's deliberations. The student may request review of the panel's decision that academic dishonesty was likely to have occurred and/or the sanction(s) the panel imposed. The AIC will notify the instructor (or other person lodging an allegation), department head and assistant dean of the request for review and will provide the instructor a reasonable opportunity to make a written response to be considered in the review process. Three voting members of the AIC who did not take part in the original proceeding will review the records of the panel's deliberations. Review decisions will be by simple majority vote, based upon the record of the original proceeding and upon

the written information submitted by the student and other parties having relevant information. Sanctions imposed by the instructor may not be reduced. No proceedings will be conducted. Sanctions may be reduced only if found to be grossly disproportionate to the offense. Cases may be referred to a new proceeding if procedural errors were so substantial as to effectively deny the accused student a fair proceeding or if new and significant documentation has become available that could not have been discovered by a diligent respondent before or during the original proceeding. If a new proceeding is initiated, no indication or record of the previous proceeding will be introduced or provided to the members of the new Academic Integrity Panel, except at the discretion of the chair of the AIC. The new AIP will consist of five voting members of the AIC who did not participate in either the original proceeding or the review.

If the imposed sanction is to suspend or expel a student, a notation will be made on the student's transcript that the suspension or expulsion was for reasons of academic dishonesty. The student may submit a written appeal of a suspension or expulsion sanction to the academic dean within ten (10) academic days (days when classes are in session) of notification of the sanction. Regardless of whether an appeal is filed, suspension requires approval by the dean of student services and may be altered, deferred or withheld. Expulsion requires approval by the dean of student services and may be altered, deferred or withheld. Expulsions may be appealed by the student to the chancellor of the University. Expulsions may be appealed by the student to the Board of Governors, which may, at its discretion hear the appeal.

**Appeals After One Year for Removal of 'XF' Grade:** After a time period of at least twelve months has elapsed since the grade of 'XF' was imposed, a person who has received a grade of 'XF' (whether or not currently enrolled as a student at Missouri State University-West Plains) may file a written petition to the AIC to have the grade of 'XF' removed from the transcript and permanently replaced with the grade of 'F'. Three letters of reference deemed relevant by the AIC chair must be submitted along with the petition. These letters of reference should be from unrelated individuals who are in a position to evaluate the character of the student, any changes in the student's attitude about academic integrity, and/or the level of remorse. The decision to remove the grade of 'XF' and replace it with an 'F' shall rest in the discretion and judgment of a majority of the entire Academic Integrity Council, which will undertake a review of the record of the case. The AIC will attempt to certify that to the best of its knowledge the student has not been found responsible for any other act of academic dishonesty or similar disciplinary offense at Missouri State University or another institution. Generally, the grade of 'XF' ought not to be removed for acts of academic dishonesty requiring significant premeditation, or involving repeated offenses, or accompanied by illegal, threatening or disruptive behavior. The decision of the AIC at initial review shall not be subject to subsequent AIC review for four years, unless the AIC specifies an earlier date on which the petition may be reconsidered. AIC determinations pertaining to the removal of the 'XF' grade penalty may be appealed to the academic dean.

## Academic Integrity Records

Academic integrity records are subject to the Family Educational Rights and Privacy Act (FERPA) and the Missouri State University West Plains Policy Regarding Personally Identifiable Student Records. Academic integrity records are maintained in the office of academic affairs. Academic integrity records are records related to a particular student, including but not limited to: allegations and findings of academic integrity violations; appeals by the student or an instructor, and the outcomes of those appeals; confidential statements;

reports of Academic Integrity Panel determinations; and notifications of outcomes as described in the *Student Academic Integrity Policies and Procedures*. Academic integrity records that include the sanctions of an 'XF' grade, suspension, or expulsion shall be permanently maintained in the office of academic affairs. Academic integrity records that include lesser sanctions shall be maintained for seven years from the date of sanction imposition or from graduation/separation from the University, whichever is greater.

## Revoking a Grade/Degree

If an instructor discovers academic dishonesty after final grades have been assigned and wishes to retroactively impose an F or 'XF' grade for the course as a sanction for the academic dishonesty, the instructor must send written notification to the chair of the Academic Integrity Council, with copy to the instructor's department head and the assistant dean. In order for an instructor to be able to impose a sanction, the written notice must be received by the Academic Integrity Council within five (5) calendar years of the last class meeting day of the class in which the alleged academic dishonesty took place. In the case of an act of alleged academic dishonesty not associated with enrollment in a class, written notification must be received by the Academic Integrity Council within five (5) years of the date of the alleged act. After five (5) years, an instructor can no longer impose any direct sanction for an alleged infraction; however, alleged academic dishonesty may be reported to the AIC regardless of how much time has passed since the alleged act.

The written notification from the instructor shall include a detailed description of the alleged academic dishonesty and the intended sanction. The chair of the Academic Integrity Council will notify the student of the allegation by certified letter with return receipt. The student will be allowed full appeal rights as outlined in the following sections of this policy: Addressing Alleged Academic Dishonesty and Notifying the AIC of an Alleged Incident and Student Request for an Academic Integrity Proceeding. When the appeal process has been concluded, if the allegation is upheld and if it was brought forward within the five-year time limit, the instructor's recommended sanction ('F' or 'XF') will replace the original grade. If the revocation of a course grade affects the student's graduation status because the course was necessary for graduation, a degree that has been granted will be revoked.

The Academic Integrity Council can at any time and at its discretion recommend to the academic dean that a degree be revoked even if all degree requirements are met, in cases where the academic dishonesty, including misconduct in research, is egregious and/or occurred multiple times. A recommendation to revoke a degree even if all degree requirements are met requires an affirmative vote of at least 12 of the 16 voting members of the Council. The dean of academic affairs' decision to revoke a degree requires the concurrence of the chancellor of the University. The decision to revoke a degree may be appealed by the student to the Board of Governors, which may, at its discretion, hear the appeal.

## Summary and Credits

Consistent with the public affairs mission of Missouri State University-West Plains, these student academic integrity policies and procedures are intended to foster academic integrity at this University. The Academic Integrity Council includes both student and faculty representation, and is responsible for addressing allegations of student academic dishonesty that are not resolved informally between the instructor and the student, and those allegations not resolved upon appeal to the department head, or that involve dishonesty occurring

outside the context of enrollment in a particular course. The Council may also undertake other activities to promote a climate of academic integrity at Missouri State University-West Plains.

The introduction to this document is based on *Missouri State University-West Plains Declaration of University Community Principles*, and on the *Missouri State University Faculty Handbook*. The document also includes selected material from the *University of Maryland Code of Academic Integrity*, used with permission from the office of academic affairs, University of Maryland. Also included are concepts from *Synthesis: Law and Policy in Higher Education*, Vol. 9, Number 1, Summer 1997. The document is based on *Missouri State University-Springfield Student Academic Integrity Policies and Procedures* revised policy of May 2004.

Approved by Faculty Senate 2010-12-03.

# Academic Record and Transcript of Credits

A record (transcript) is permanently maintained in the Office of Registration and Records for each student who enrolls at Missouri State University–West Plains. This record includes a list of courses in which the student has enrolled (except for those dropped during the Change of Schedule Period) as well as the credits and grades earned in those courses. For students with transfer credit, an entry will appear on the transcript indicating the number of credit hours awarded for each institution attended.

Request a transcript copy via our outside vendor Parchment, Inc.

Transcripts will not be released for students who owe \$25 or more to the University. Such debts must be paid in full before the transcript can be released.

Parchment fees for transcripts delivered:

- \$7.50 delivered Electronically
- \$10.00 delivered domestically via mail

A \$25.00 fee will be charged for domestic transcripts sent via express or overnight mail. A \$47.50 fee will be charged for international transcripts sent via express or overnight mail.

There will be a 5% processing fee for all credit card (including debit) charges in excess of the transcript request fee.



# Academic Renewal

Academic Renewal is designed to permit students with a grade point average deficiency to remove the effects of low grades from their academic records under the following conditions:

1. A student enrolled at Missouri State University-West Plains that has an absence of five consecutive years or more from college may elect Academic Renewal. This renewal will affect all courses taken prior to the five-year absence, regardless of origin, and may be elected only once in a lifetime.
2. Once elected, Academic Renewal applies to all courses, whether passed or failed, taken prior to the date chosen by the student.
3. Academic Renewal **does not** erase the record; rather the impact of the grades received is removed from the GPA of the student, with an appropriate notation made on the transcript indicating the renewal election. Credit hours affected by Academic Renewal cannot be used to meet any requirements.
4. Any student wanting to invoke the Academic Renewal procedure should consult with the office of financial aid to be sure any future financial aid will not be adversely affected.
5. Academic Renewal must be invoked **before** any degree is earned.
6. The dean of academic affairs or his/her designee will process final approval for all Academic Renewals.
7. Academic Renewal is an administrative procedure that does not require committee action and/or decision.
8. Once elected, Academic Renewal is irrevocable.
9. The student should be aware some institutions do not recognize Academic Renewal when evaluating transcripts.

Consult the office of academic affairs for more information.

# Academic Standings

The following terms describe academic standings for students at Missouri State University-West Plains.

## Good Standing:

- A student who has a cumulative grade-point average (GPA) of 2.0 or above at Missouri State University-West Plains is considered to be in good standing. A student must maintain at least a 2.0 cumulative GPA to graduate.

## Probation:

- The purpose of scholastic probation is to remind students that the quality of their overall academic work is unsatisfactory and to provide support to the student for improvement.
- A student who has maintained a cumulative GPA of 0.00 to 1.99 is placed on academic probation. The student must make at least a 2.0 semester GPA in subsequent semesters (excluding withdrawals) until Good Standing (cumulative GPA is 2.0 or above) is achieved or the student will be suspended for one academic semester (fall or spring).

## Admitted on Probation:

- A student who is transferring credits to Missouri State University-West Plains with a cumulative GPA between 0.00 and 1.99 is admitted on probation. The student must make at least a 2.0 semester GPA in subsequent semesters (excluding withdrawals) until Good Standing (cumulative GPA is 2.0 or above) is achieved or they will be suspended for one academic semester (fall or spring).

## **Readmitted on Probation:**

- A student who has attended Missouri State University-West Plains and is returning after an absence of more than two semesters with a cumulative GPA of 0.00 to 1.99 will be re-admitted on academic probation. The student must make at least a 2.0 semester GPA in subsequent semesters (excluding withdrawals) until Good Standing (cumulative GPA is 2.0 or above) is achieved or the student will be suspended for one academic semester (fall or spring).

## **Suspension:**

- A student who is placed on academic probation but does not maintain a semester GPA of at least 2.0 in subsequent semesters (excluding withdrawals) until Good Standing (cumulative GPA is 2.0 or above) is achieved will be suspended for one academic semester (fall or spring).

## **Reinstatement from Suspension:**

- A student who has been reinstated from suspension must maintain a semester grade-point average of 2.0 or above in subsequent semesters (excluding withdrawals) until Good Standing is achieved or the student will be suspended for one academic semester (fall or spring).

# Adding and Dropping a class

Students are expected to complete the courses for which they register. Failure to properly drop or withdraw from classes will result in the assignment of 'F' grades for those classes, as well as a possible financial obligation. Students who wish to withdraw from all courses for a given semester should review the withdrawal procedure described later in this section. Students who wish to add or drop selected regular semester courses must follow the procedures outlined below. Students who wish to add or drop intersession courses, short courses, and other courses that do not meet for a full semester or block should contact the office of registration and records for information on policies, procedures and deadlines. Also refer to the Fee Refund Schedule, the Academic Calendar, Instructor Drop, Auditing a Course, Enrollment Status, Overload Permission and related topics for additional information regarding drops and withdrawals.

**Prior to the beginning of the semester and during the Change of Schedule Period (first five days of fall or spring semesters, first five days of summer session):** Adds, drops and section changes may be accomplished using the *My Grizzly Den* web registration procedures or by contacting the office of registration and records via an Missouri State-West Plains email account or in person. Students who owe additional fees as a result of adding a class are responsible for making arrangements to pay those fees immediately. Failure to do so may result in cancellation of current schedule of classes.

Also refer to the Fee Refund Schedule, the Academic Calendar, Instructor Drop, Auditing a course, Enrollment Status, Overload Permission and related topics for additional information regarding drops and withdrawals.

## After the Change of Schedule Period: To

# drop a course:

## On Campus:

1. Students obtain a Change of Schedule form from the office of registration and records and enter the information on the form.
2. Students take the completed form to the office of registration and records. No change of schedule is official until received and processed by the office of registration and records.
3. Students dropping all courses should see the Withdrawal Policy later on in this section.

## Electronically:

1. Using a University computer account, the student emails the office of registration and records requesting that they be dropped from a course(s).
2. The office of registration and records posts the change of schedule to the students' record.
3. If you are dropping all courses, see the Withdrawal Policy later on in this section.

## Web Drop:

1. Students may drop courses via the Web by using *My Grizzly Den*.
2. If you are dropping all courses, see the Withdrawal Policy.

## Dalian Branch Campus:

1. Courses dropped before the end of the change of schedule period will not appear on the transcript.
2. After the change of schedule period, courses dropped before the automatic 'W' grade for drop/withdrawal, pass/not pass, change to audit deadline (see academic calendar for specific dates) for that course will have a final grade of 'W'.
3. After the automatic 'W' grade for drop/withdrawal, pass/not pass, change to audit deadline, courses dropped through the last day to drop or withdraw deadline (see academic calendar for specific dates) will have either a 'W' or an 'F' final grade assigned at the discretion of the instructor. A 'W' indicates the course was dropped without penalty. An 'F' grade is calculated in the grade point average.
4. No drops or withdrawals are allowed after the last day to drop or withdraw deadline for the course.

Students should use the drop procedure judiciously as numerous 'W' grades on their transcripts may be construed by some to indicate an inability of the individual to persist when challenged. Dropping courses will generally result in extending the time required to complete a degree. Students who drop because of a concern regarding their grade in a course are encouraged to consult with the instructor prior to dropping a course. Students who are concerned about the impact of dropping a course on their progress toward graduation are encouraged to consult with their academic advisor prior to dropping.

## To add a course:

In general, only courses that have not yet begun (e.g., second block courses, short courses,

independent study, etc.) may be added after the Change of Schedule Period for the regular term has ended. In cases of extenuating circumstances, to add a full semester-length class after the Change of Schedule Period for the regular term:

## On campus:

1. Obtain a Change of Schedule form (available in the office of registration and records and online).
2. Take the form to the instructor whose signature and date of signature indicate approval to add the course after the Change of Schedule period.
3. Take the form to the dean of academic affairs or the assistant dean whose signature and date of signature indicates approval to add the course after the Change of Schedule period.
4. Take the form to the office of registration and records which will register the student if space is available. Students who owe additional fees as a result of adding a class are responsible to make arrangements to pay those fees immediately. Failure to do so may result in cancellation of current schedule of classes.
5. Academic advisors should be consulted to make sure this class is a degree requirement and financial aid should be communicated with to ensure coverage.

## Electronically:

1. Using a University computer account, the student emails the instructor and associate dean (one email to both) asking permission to add a class after the Change of Schedule period. Copy the office of registration and records on the email. ([WPRR@missouristate.edu](mailto:WPRR@missouristate.edu))
2. The instructor makes a decision and forwards the decision to the dean and associate dean (copy of email to student).
3. The dean or the associate dean makes a decision and replies to both the instructor and the student and copies the office of registration and records.
4. The office of registration and records registers the student for the class if space is available. Students who owe additional fees as a result of adding a class are responsible to make arrangements to pay those fees immediately. Failure to do so may result in cancellation of current schedule of classes.
5. Academic advisors should be consulted to make sure this class is a degree requirement and financial aid should be communicated with to ensure coverage.

## Special note concerning intersession courses:

Requests to add an intersession course after it has begun will be handled on a case-by-case basis by the dean of academic affairs or his/her designee.

No transaction is considered complete unless received, verified and processed by the office of registration and records.

## Grading:

1. Courses dropped before the end of the change of schedule period will not appear on the transcript.
2. After the change of schedule period, courses dropped before the Last Day to

Drop/Withdrawal, Pass/Not Pass, Change to Audit deadline (see Academic Calendar for specific dates/the last day to drop a Dalian branch campus course is the last day of the 9<sup>th</sup> week of classes) will have a final grade of 'W'. The deadline is approximately one week prior to the end of the fall or spring semester and approximately two days prior to the end of the summer semester.

3. No drops or withdrawals are allowed after the Last Day to Drop or Withdraw deadline for the course.

Students should use the drop procedure judiciously as numerous 'W' grades on their transcripts may be construed by some to indicate an inability of the individual to persist when challenged. Dropping courses will generally result in extending the time required to complete a degree. In addition, dropping below a full-time or half-time enrollment status may jeopardize insurance, financial aid, scholarship, and athletic participation eligibility. Students who drop because of a concern regarding their grade in a course are encouraged to consult with the instructor prior to dropping a course. Students who are concerned about the impact of dropping a course on their progress toward graduation are encouraged to consult with their academic advisor prior to dropping.

## Administrative Withdrawal

Students will be administratively withdrawn for the following circumstances:

- Reported as Never Attended by the
  - 10<sup>th</sup> class day of the 16-week or longer term
  - 7<sup>th</sup> class day of the 8-week term
  - 4<sup>th</sup> class day of the 5-week and 4-week term
  - 2<sup>nd</sup> class day of a 2-week or less term
- Determined to have enrolled in a course without the appropriate prerequisite course
- Are academically suspended and have not been reinstated through the academic appeal process

Students who are administratively withdrawn will have their schedule removed and tuition and fees will be refunded at 100%. However, non-tuition related charges will continue to be the responsibility of the student. Students may be responsible financially for all classes.

# Address (Local and Permanent)

Students must report their correct addresses at the time of registration and notify the office of registration and records in writing when changes are made. A form may be printed from the website.

The local address is generally used to contact students when classes are in session. The permanent address is used on billings, refunds, and other items sent while classes are not in session. The local address and permanent address may be the same in the case of a commuting student.

Change of a permanent address does not affect a student's residency status for fee purposes. Students may apply for reclassification to resident status for fee purposes. The Residency Policy and Application for classification as a Missouri Resident are available online and from the office of admissions.



# Advanced Placement

Missouri State University-West Plains recognizes the Advanced Placement (AP) Program and awards credit for many of the subjects offered. A copy of the current transfer policy is available. Not more than 25 percent of the credit required for a degree may be non-traditional. Non-traditional credits include those awarded for correspondence courses, credit by examination (including CLEP, advanced placement, institutional exams, DANTES, etc.), service schools, physical education for more than one year of active military duty and non-collegiate courses.

# Attendance

Because class attendance and course grades are demonstrably and positively related, the University expects students to attend all class sessions of courses in which they are enrolled. Each instructor has the responsibility to determine specific attendance policies for each course taught, including the role that attendance plays in calculation of final grades and the extent to which work missed due to non-attendance can be made up. On the first day of class, each instructor will make available to each student a written statement (in the syllabus) of the specific attendance policy outlining expectations for the student and the process for make-up work for that course. The opportunity to make up exams or other work is at the discretion of the instructor. Excessive absences, defined by the instructor in the course syllabus, may result in a failing grade. At the end of the second week of classes (first week of summer), students who have registered and paid for a class but are reported as never attended will be administratively withdrawn.

Students should be aware that if the University administratively withdraws them due to lack of attendance or non-participation, the amount of financial aid received may be reduced, graduation may be delayed or repayment of aid already received may be required. An administrative withdrawal does not mean students no longer have an obligation to pay any tuition and fees assessed by the University.

International students should be aware that their VISA status may be negatively affected by their failure to attend classes for which they are enrolled.

Faculty must be able to demonstrate student attendance or non-attendance in the first 10 days of class either through electronically recorded means or other means. It is strongly encouraged that faculty track all attendance for the entire semester for all courses. Faculty will be held accountable for documenting the last date of attendance for any student who withdraws or fails a course.

The University encourages instructors not to make attendance a disproportionately weighted component of the final grade. The University expects instructors to be reasonable in accommodating students whose absence from class resulted from:

1. participation in University-sanctioned activities and programs;
2. personal illness or
3. family and/or other compelling circumstances.

Instructors have the right to request documentation verifying the basis of any absences resulting from the above factors. The University encourages students to communicate with the instructor regarding class attendance or in the event there are extenuating circumstances affecting a student's attendance of which the instructor should be aware.

Because courses are offered in a variety of formats, attendance for the current formats are defined as follows:

1. Attendance in a seated or hybrid course is defined as being physically present during the time the course is scheduled to meet.
2. Attendance in an online course is defined as active participation in an academic activity.
  - a. Examples of qualifying activities include, but are not limited to, exams, group projects, quizzes, discussion boards, emails of course content to instructors and submitted assignments.
  - b. Simply accessing the course through Blackboard does not constitute attendance in an online course.

Approved by Faculty Senate October 5, 2018

# Auditing a Course

The auditing student is expected to attend class regularly and should consult with the instructor to determine what else is expected in the course. If an auditing student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may send a memo directing the office of registration and records to drop the student from the class. Such drops will be graded with a 'W' grade and will be subject to the normal fee refund policy. Regular students may audit courses to the maximum authorized academic load. Individuals not currently enrolled in the University must apply for admission in order to register as an auditor. Courses audited are counted the same way as courses taken for credit in determining required student fees. Credit is not awarded for auditing a class. A student cannot change from credit to audit basis after the no penalty drop deadline (Change of schedule period).

# Missouri State-West Plains Behavioral Intervention Team Policy

## I. University Behavioral Intervention Team (BIT)

The University's Behavioral Intervention Team (BIT) is an inter-department group that identifies problematic student behavior, assesses the nature and severity of that behavior, and works with University resources to implement appropriate interventions based on that student behavior. The BIT will utilize the National Association for Behavioral Intervention Teams (NaBITA) Threat Assessment Model as well as additional resources to identify, assess, and intervene in response to problematic behavior affecting student success and the education and operational processes of the University.

The goal of the BIT is to provide a proactive and supportive resource for the identification, assessment, and intervention of problematic behavior that raises concerns within the University community.

## II. BIT Meetings and Membership

The BIT meets each Thursday from 1 p.m. – 2:30 p.m. during all academic semesters, and bi-weekly during the summer session.

BIT is composed of members of the university community which include:

- Dean of Student Services (Chair)

- Coordinator, Advisement and Academic Coaching Center for Empowering Student Success (AACCESS) (Vice-Chair)
- Coordinator, Student Life and Development
- Director of Residence Life
- Dean of Student Services Administrative Assistant
- Student Support Specialist
- Coordinator, TRIO
- Equal Opportunity Liaison / Deputy Title IX Coordinator
- Other University personnel necessary for particular student of concern
- Deputy Compliance Officer
- Associate General Counsel

Additional individuals may be asked to participate in BIT meetings or provide information relevant to BIT discussions as needed.

### III. Procedure Manual

The BIT is responsible for drafting, adopting, and utilizing a Procedure Manual based on guidance available from NaBITA and other resources regarding student risk assessment and intervention. The BIT Procedure Manual will be reviewed annually during the summer semester by the BIT and other University officials.

### IV. BIT Referrals

All members of the University community, regardless of their membership in the BIT, are encouraged to immediately report concerning and/or problematic student behavior to the BIT. In case of an emergency, the community is instructed to call 9 1 1. Otherwise, referrals to the BIT can be made directly to:

- Dean of Student Services at [\(417\) 255-7225](tel:4172557225) or [AngelaTotty@MissouriState.edu](mailto:AngelaTotty@MissouriState.edu)
- Through the online BIT referral form available at:  
[https://cm.maxient.com/reportingform.php?MissouriStateUniv&layout\\_id=15](https://cm.maxient.com/reportingform.php?MissouriStateUniv&layout_id=15)

### V. Mandated BIT Assessments

Consistent with the authority granted under the University’s Code of Student Rights and Responsibilities (Code), the BIT, in collaboration with the Dean of Student Services Office, may, in certain situations, issue a temporary order for a mandated assessment relating to a student of concern. Such assessment will only be requested in limited circumstances. Consistent with the Code, any mandated assessment will not be punitive but solely evaluative in nature so that the BIT may better determine the student’s functioning and the context of the concerning behavior. Failure to participate in any mandated BIT assessment will result in consequences under the University’s Code of Student Rights and Responsibilities, including but not limited to interim suspension, and/or dismissal.

### Line of Authority

- **Responsible Administrator and Office:** Dean of Student Services
- **Contact Person in that Office:** Dean of Student Services

Effective Date: September 16, 2019

# Cell Phones and Electronic Devices in the Classroom

As a member of the learning community, each student has a responsibility to other students who are members of the community. When cell phones or pagers ring and students respond in class or leave class to respond, it disrupts the class. Therefore, the office of academic affairs asks that cell phones, pagers or similar communication devices be turned off or put into silent mode during class. At the discretion of the instructor, exception to this policy is possible in special circumstances.

The University also acknowledges the usefulness of electronic devices to students in the learning process; however, the use of computers, PDAs, or other electronic devices in classrooms and instructional settings is at the discretion of the instructor. Students should review instructors' policy statements for information about whether or not they will be allowed to use such devices in the classroom and other instructional settings.

## Catalog

[Missouri State-West Plains / Catalog / Academic Policies and Campus Requirements / Academic Policies and Procedures / Chancellor's List and Dean's List](#)

# Chancellor's List and Dean's List

Full-time students (12 credit hours or more) are named to the Chancellor's List after earning a 4.000 grade point average on the previous semester coursework with no incomplete grades. Full-time students are named to the Dean's List after earning a 3.500 to 3.999 grade point average on the previous semester coursework with no incomplete, D or F grades. The Chancellor's List and the Dean's List are announced at the end of each semester.



# Class Disruption

The course instructor has original jurisdiction over his/her class and may deny a student who is unduly disruptive the right to attend the class. The student is expected to comply with all reasonable directives of the course instructor. The course instructor may have a student administratively withdrawn from a course upon showing of good cause and with the concurrence of the department head. The appeals process in case of such administrative withdrawal shall be handled through the academic integrity council.

# Classification

Undergraduate degree-seeking students are classified according to the number of credit hours earned, as follows:

**Freshmen :** 0-29.99 credit hours

**Sophomores :** 30+ credit hours

# Commencement

A commencement ceremony is held each spring. Students who wish to participate in the ceremony must apply online through MyGrizzlyDen or the office of registration and records at the time of spring registration. If a student has no more than 10 hours remaining and will graduate at the end of summer, an appeal may be made to the dean of academic affairs or his designee for the student to participate in the spring graduation ceremony. Students should be aware of deadlines for names in programs, newspaper articles and any other print materials. Contact registration and records office to inquire about deadlines at [\(417\) 255-7979](tel:417-255-7979).

# Correspondence Courses

Prior approval no longer needed.

A student completing a correspondence course from an accredited institutions should request that college's transcript be sent directly from the issuing institution to the office of admissions in order to transfer the credit to Missouri State University-West Plains.

# Credit by Examination/CLEP

Missouri State University-West Plains is committed to the idea that all learning should be valued, and, where appropriate and feasible, Missouri State University-West Plains will award credits to students with knowledge acquired outside the traditional classroom.

Missouri State University-West Plains recognizes the following external credit-by-examination programs: the College Level Examination Program (CLEP), Advanced Placement (AP), and DANTES Subject Standardized Tests (DSST). Depending on the field of study, Missouri State University-West Plains may also rely on departmental challenge exams, portfolios or other assessment measures. Regardless of the measure used, if credit is awarded, the grade assigned will be 'P' (pass.)

See the Transfer Policy for a list of the exams which will be accepted for credit, as well as minimum score requirements and Missouri State University-West Plains class equivalencies. Individual department assessment/examination options will also be available. This information may be updated without notice. Students who have taken CLEP, AP and DSST exams must have official score reports sent to the office of admissions to be considered for credit. All other students should contact the testing center for more information.

# Credit Hours

The unit of credit used at Missouri State University-West Plains is the semester hour. Lecture courses meet one hour per week for 16 weeks (750 minutes) for one semester hour of credit. Laboratory and studio courses meet a minimum of two hours per week for 16 weeks (1500 minutes) for one semester hour of credit. Courses which include lecture and laboratory or studio meetings carry credit combining the above guidelines.

For course delivery methods not covered by this policy, Missouri State-West Plains follows the Missouri State University System policy (Op3.04-16 Credit Hours and Semester System) for determining credit hours.

# Degree Program: Declaring or Changing

When students change their degree programs, they report to the office of registration and records and complete that portion of the Change of Degree form. When students change degree programs (e.g., from General Studies to Nursing) they shall use the catalog in effect when the change is made.

# Directed Self-Placement

## Directed Self-Placement for Writing Classes

Except for student veterans and students enrolling in dual-credit courses, Missouri State University-West Plains uses a reading score and a Directed Self-Placement survey to determine students' eligibility for college English courses. The Directed Self-Placement Survey assesses their past writing experience and their confidence in their current writing skills. The Directed Self Placement Survey consists of three key parts: course descriptions, survey prompts and individualized recommendations.

The first step in selecting the appropriate entry-level English course is to study the course descriptions listed in this catalog and in the Directed Self Placement Survey.

After completing the survey, students are given a recommendation about which entry-level course to enroll in. Although students are allowed to select the entry-level English course of their choice (however, they must meet a reading requirement to enroll in English 110), it is highly recommended that they follow advice given. Missouri State University-West Plains is committed to providing students with the direction and information they need to make appropriate self-placement decisions, and it is important for students to make informed and wise self-placement decisions. Inappropriate self-placement may increase the time it takes to complete a certificate or degree and may interfere with financial aid.

Directed self-placement web instructions and survey link.



# Directed Studies

The ranked faculty of Missouri State University-West Plains may offer a directed study course (1-3 credit hours) for a qualified student with extenuating circumstances. A directed study course will be approved only for exceptional or unavoidable situations. Faculty members are not required to offer directed studies but may do so at their own discretion.

Permission for a student to enroll may be granted only after close consultation with the instructor, the appropriate department head and the appropriate division chair. Ranked faculty must teach directed studies unless approved by the appropriate division chair. An approved syllabus for the directed study must be on file in the office of academic affairs.

Students wishing to apply for a directed study course should follow these steps carefully:

1. Consult their advisor to determine eligibility. (see below)
2. Obtain a Directed Study Application Form from the office of academic affairs and complete sections A and B only.
3. Take the completed form to the appropriate division chair.

To be eligible, a student must meet the following prerequisites:

1. Student must be at least sophomore status (30 hours) and a degree-seeking candidate. First-semester transfer students are not eligible.
2. Student must have at least a 3.00 cumulative GPA.
3. The need for any independent study must be documented and justified on the form provided on the back of the guidelines. The institution feels strongly about the limitations of a directed study course and prefers for students to attend regular classes with classroom discussions, personal contacts and treatments. Only the complete lack of other or better alternatives can justify any directed study.
4. The arrangements for directed studies must comply with the rules and regulations of the University in regard to tests, reading assignments, consultations, etc. The logistics for such procedures are to be determined by the instructor in consultation with the student.
5. Courses with laboratory requirements, such as natural sciences, may not be offered as

independent study.

Students who do not meet the above criteria may appeal to the division chair if there are extenuating circumstances

# Disability Support Services

The disability service center helps ensure an equitable college experience for students with disabilities at Missouri State University-West Plains. The student should notify the Disability Services Coordinator as soon as the need for academic accommodations becomes evident. Academic accommodations are at no cost to students who can provide documentation of disability and can demonstrate that the requested accommodations are necessary for the participation in University programs with established guidelines. Any prospective or current enrollment student interested in obtaining information about academic accommodations at Missouri State University-West Plains should contact the disability services coordinator in the advisement and academic coaching center for empowering student success (AACCESS) at [\(417\) 255-7940](tel:417-255-7940) (voice), [\(417\) 255-7940](tel:417-255-7940) (TDD).

# Distance Learning

Missouri State University-West Plains provides quality educational opportunities for students throughout south central Missouri. The instructional delivery methods may be "traditional" or distance learning. Distance learning delivery systems such as online courses and extended campus programs all play a key role in providing quality educational opportunities to students in a convenient and cost effective manner. Course offerings and degree programs offered by Missouri State University-West Plains have expanded significantly through the utilization of distance learning programs. For more information, call the office of academic affairs at [\(417\) 255-7272](tel:417-255-7272).

# College Credit in High School (Dual Credit/Dual Enrollment)

## Transferring Credit Earned in High School

**Gain an edge by earning college credit while still enrolled in high school!**

## Get a head start on college at Missouri State-West Plains

Missouri State-West Plains offers several different options for high-school students to get a head start on earning college credit while still finishing up high-school classes and graduation.

- Studies show that earning college credit during high school increases the likelihood that a student will complete high school and enroll in and persist in college
- Decreases the cost of tuition and fees for students by accelerating time of degree
- New graduates enter the workforce sooner and begin to earn wages, benefiting themselves and the economy
- Earn credit hours that are applicable toward a degree at Missouri State and generally transferable to other accredited colleges and Universities

# Programs for High School Students

Missouri State University-West Plains offers several options for high school students to earn college credit while still attending high school.

- Dual credit classes are offered in your high school and taught by high school teachers.
- Dual enrollment classes are offered on the West Plains campus and at Shannon Hall in Mountain Grove and taught by Missouri State University-West Plains faculty.
- High school only online classes are courses offered to local high schools that are taught by a faculty member at Missouri State University-West Plains and facilitated by a high school employee.

## Dual Credit

Dual-credit classes earn high school and college credit. Students who take dual-credit courses do so at their high school with high school instructors who meet required qualifications for teaching college level courses and who have been approved by the University to teach those courses.

The fee for students for dual-credit classes is half of the regular tuition for courses offered by Missouri State University-West Plains. If applicable, supplemental course fees will be charged in full.

Placement tests are required for some college courses. The tests will be arranged for each school through the counselor.

## Dual Enrollment

Students who take dual-enrollment courses earn college credit and take courses either on one of the Missouri State University-West Plains' campuses or online from University instructors. High-school students must meet any class prerequisites. Students wishing to earn high-school credit for these classes should consult with their high-school counselor.

The fee for students for dual-enrollment classes is half of the regular tuition for courses offered by Missouri State University-West Plains. Students are not charged any other service fees other than the student technology fee. Supplemental course fees will be charged in full.

Placement tests are required for some college courses. The tests should be arranged through the testing center.

## High-School-Only Online Classes

Students who take online classes for high-school students earn college credit and take the courses at their high school during the school day. High-school students must meet any class prerequisites. Students wishing to earn high school credit for these classes should consult with their high school counselor.

The fee for students for high-school-only online classes is half of the regular tuition for courses offered by Missouri State University-West Plains. Students are not charged any other service fees other than the student technology fee. Supplemental course fees will be charged in full.

Placement tests are required for some college courses. The tests will be arranged for each school through the counselor.

## **Dual-Credit/Dual-Enrollment Student Qualifications**

Students may be considered for admission into a dual-credit/dual-enrollment program who have met the following qualifications:

### **Students in an accredited high school:**

- Students in the 11th and 12 grades have at least a 2.5 GPA on a 4.0 scale; students in the 10th grade have at least a 3.0 on a 4.0 scale; students in the 9th grade have a 3.0 on a 4.0 scale and an ACT or SAT score at the 90th percentile or above
- Have been recommended for admission by the high-school counselor, principal or superintendent of their school and
- Have permission from their parents or guardians.

### **Students completing high school by alternative means (home school or non-accredited high school):**

- Have an official transcript from the high-school or correspondence program vendor or documents from the parent required by Missouri State Statute 167.031 including courses/credits completed and date of completion with an overall GPA of 3.00 on a 4.00 scale or higher or
- Supply ACT scores with a composite score of 18 or higher
- Have parental or guardian permission and
- Student is 16 years of age.

If a student believes extenuating circumstances exist, the above eligibility requirements may be appealed to the assistant dean of academic affairs.

## **Dual-Credit/Dual-Enrollment Contacts**

### **Missouri State University-West Plains Academic Affairs**

Interim Dean Dr. Michael Orf

[MichaelOrf@MissouriState.edu](mailto:MichaelOrf@MissouriState.edu)

[\(417\) 255-7904](tel:(417)255-7904)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Admissions**

Coordinator Missi Jett  
[MelissaJett@MissouriState.edu](mailto:MelissaJett@MissouriState.edu)  
[\(417\) 255-7955](tel:(417)255-7955)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Bookstore**

Sharon Holland  
[SharonHolland@MissouriState.edu](mailto:SharonHolland@MissouriState.edu)  
[\(417\) 255-7227](tel:(417)255-7227)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Information Technology Services Help Desk**

[WPHelpDesk@MissouriState.edu](mailto:WPHelpDesk@MissouriState.edu)  
[\(417\) 255-7995](tel:(417)255-7995)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Library**

Director of Library Services Rebekah McKinney  
[RebekahMcKinney@MissouriState.edu](mailto:RebekahMcKinney@MissouriState.edu)  
[\(417\) 255-7949](tel:(417)255-7949)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Placement Testing**

Testing Coordinator Alexandra Graham  
[WPTestingServices@MissouriState.edu](mailto:WPTestingServices@MissouriState.edu)  
[\(417\) 255-7222](tel:(417)255-7222)

128 Garfield Ave.  
West Plains, MO 65775

## **Missouri State University-West Plains Registration & Records**

(Transcripts)  
Registrar Laurie Wall  
[LaurieWall@MissouriState.edu](mailto:LaurieWall@MissouriState.edu)  
[\(417\) 255-7979](tel:(417)255-7979)



128 Garfield Ave.  
West Plains, MO 65775

# Educational Accessibility

Missouri State University-West Plains is committed to educational accessibility for all students who have demonstrated by traditional academic achievement (high school diploma) an aptitude for successful accomplishment at the collegiate level.

Missouri State University-West Plains also provides educational access based on criteria other than traditional achievement measures (HiSET-High School Equivalency Test/General Educational Development (GED) examinations) for those students seeking learning opportunities for purposes of career enhancement, professional development or self-enrichment. The University does not discriminate, on the basis of any category listed in the Non-Discrimination Policy, in its educational programs, services or activities. Inquiries may be directed to Brenda Polyard, Affirmative Action Liaison, Missouri State University-West Plains, 128 Garfield Ave., West Plains, MO 65775, (417) 255-7966.

# Enrollment Deadlines

## Priority Enrollment for New Students:

Students are encouraged to apply for admission early in order to complete all steps in the enrollment process and to allow time for any financial aid to be processed. Because the process is important and takes a significant amount of time, we **recommend** that students apply for admission by **June 1** for the fall semester, **November 1** for the spring semester and **April 1** for the summer semester.

## Enrollment Process

New students must complete all the following steps **prior to the first day of the semester**:

- Apply for admission
- Provide everything necessary (i.e., high school transcripts, college transcripts, etc.) to complete the admission process and be formally admitted
- Complete placement testing
- Attend a STAR orientation session (or University-sanctioned equivalent) and meet with an academic advisor
- Register for classes (Registration priority is given to early applicants.)

## If seeking financial aid:

- Complete the FAFSA and scholarship application and submit any required supporting documents as early as possible. (Late applicants should anticipate that financial aid may not be processed prior to the beginning of the semester and be prepared to purchase textbooks with other resources. Tuition and fees can be paid utilizing the University's deferred payment plan).

Students beginning the process later than recommended above may not be able to accomplish the full enrollment process (admission, orientation, registration) before the first day of the semester and may need to wait to enroll for a subsequent semester.

## **Exceptions:**

Students seeking to register after the start of a semester may appeal to the dean of academic affairs. Appeals will only be approved in situations where extenuating circumstances warrant. Students approved to enroll after the beginning of the semester should be aware that financial aid may not be available to them for that term.

Approved by the Administrative Council of Missouri State University-West Plains: October 9, 2012

# Excess Hours: Permission

Permission is required if a student wishes to enroll in 19 or more semester hours in the fall or spring semesters or 11 semester hours in the summer session.\* Upon the recommendation of the advisor and the approval of the Dean of the College or his/her designee, students who have a 3.00 or higher grade point average for a semester in which a minimum of 15 hours is carried may take up to a maximum of 21 hours the following semester (11 hours in the summer session). Permission forms must be obtained from the Dean of the College or his/her designee.

Intersession courses are not counted in determining the number of excess hours for that semester. A student may not be enrolled in courses for college credit at another college while enrolled in this University except by special permission in advance from the Dean of the College or his/her designee. Courses for which a student is enrolled on an audit basis are counted in hours for an overload.

Permission also is required of students wishing to take two intersession courses during the same week. No more than two intersession courses may be taken in one week. A student must have a minimum of a 2.5 cumulative GPA and have completed 15 credit hours prior to applying for permission.

### ***\*Maximum loads for the summer session:***

*Four-week session: Five hours (permission required for six or more hours).*

*Eight-week session: 10 hours (permission required for 11 hours).*

# Final Exam Period

A two-hour final examination period is scheduled for each course during the last week of the fall and spring semester. This final examination period is used either for administration of final examinations or for other appropriate course terminating activities. If students must reschedule final exams because of extenuating circumstances, they must obtain written approval of the dean of academic affairs or his/her designee and then of the instructor of the course in advance of the scheduled exam time. A copy of the Final Exam Period can be found on the website <https://wp.missouristate.edu/recreg/final-exam-schedule.htm>

# Full-Time Student

The definition of a full-time student varies according to the institution or agency concerned. At Missouri State University-West Plains, a full-time undergraduate student is one carrying 12 hours or more of credit in the fall or spring semester (six or more in the summer session) and is so reported to such agencies as the Social Security and Veterans Administration.

# Grade Appeals

A student who believes he/she has reason to request a grade change, has one academic year to file the change, following the term in which the grade was assigned. To request a grade change, the student must:

1. Write a formal letter to the instructor (or to the appropriate division chair if the instructor is no longer on campus) requesting a re-evaluation of his/her performance in the course;
2. Provide the following information in the letter: Name and BearPass number; course number, title and section; semester and year taken; name of instructor; a clear statement of the grade change request and reasons which justify the request.

Faculty members, upon receipt of a student's request for a grade change, will review their records, then respond in writing to students in a timely fashion. If it is determined a student's request is justified, the faculty member will prepare a Grade Change Authorization and submit it to the division chair who will forward it to the office of registration and records. A faculty member may not change an 'F' grade to a 'W' in those cases in which the student did not follow the proper procedures for dropping the course.

A student may appeal a negative decision of the faculty member to the appropriate department head, division chair and, if necessary, to the dean of academic affairs or his/her designee. The department head, division chair and the dean of academic affairs or his/her designee shall attempt to resolve the issue through mediation, but the responsibility for the student's grade remains with the faculty member.

In cases that cannot be resolved, the student may appeal to the Academic Concerns Committee.

The faculty member who assigned the original grade will be informed of any action taken and reasons for such action.

## **Requests Based Upon Exceptions to University Policy:**



In those cases in which the grade received by the student is the result of University policy rather than a faculty member's evaluation of performance in a course (e.g., an F resulting from failure to remove an I grade in the time allowed or failure to officially drop a course), the student's written appeal should be directed to the dean of academic affairs or his/her designee.

## **Requests for Grade Changes Made After an Extended Period:**

Appeals for changes in a student's academic record, after one academic year from the end of the term in which the grade was assigned, must be submitted to the dean of academic affairs or his/her designee. Such appeals will be considered by the Academic Concerns Committee only if there were extenuating circumstances.

# Grade Re-Evaluation

A student may request an assigned grade be changed provided the change is requested prior to the end of the first semester of enrollment (excluding summer) following the term in which the grade was assigned.

### **Requests Based Upon a Re-Evaluation of Performance:**

Student evaluations and assignments of final course grades are the responsibility of the faculty. The faculty member is accountable for any and all grades assigned to students, and, therefore, each faculty member will maintain records to support student evaluations and grades. (See grade appeals.)

# Grade Point Average

A student's institutional grade point average at Missouri State University-West Plains is based only on courses completed at Missouri State University-West Plains. The institutional, transfer, and overall grade point averages appear on the student's official Missouri State University-West Plains transcript. The overall grade point average is used in determining a student's academic standing and eligibility for graduation. Grade point average is calculated by dividing the overall quality points by the overall GPA hours attempted. The semester grade point average is calculated by dividing the quality points earned for the semester by the GPA hours for the semester. See "Grading and the Credit Point System" and "Repeat Policy" sections for more details on grade point average calculation.

The distinction of graduating with honors will be granted at graduation if the student has attained a overall grade point average of 3.40 or higher on all college work (Missouri State University-West Plains and transfer combined).

## Catalog

# Grading and the Credit System

Grades are awarded to indicate the quality of a student's work and are assigned as follows (point values per credit hour appear in parentheses):

|    |   |
|----|---|
| A  | (4) = Excellent work.   |
| B  | (3) = Superior work.  |
| C  | (2) = Satisfactory work.  |
| D  | (1) = Minimum passing work.   |
| F  | (0) = No credit is given.   |
| W  | (0) = Course dropped without penalty.   |
| P  | (0) = Course passed under the Pass/Not Pass system.*  |
| NP | (0) = Course not passed under the Pass/Not Pass system.*  |
| I  | (0) = A small portion of a course, such as a term paper or final examination not completed.   |
| AU | (0) = Audited with no credit.   |
| Z  | (0) = Deferred grade to be given only to students enrolled in specific courses (such as NUR 203) which may not be completed within a semester. If a Z grade is not removed within two calendar years (whether or not the student is enrolled), the grade becomes a W. |
|    |   |

|    |   |
|----|---|
| E  | (0) = No credit – Academic Renewal.                           |
| XF | (0) = No credit is given. Failure due to academic dishonesty. |

\*P and NP grades are not calculated in the grade point average.

# Grade Reports

Mid-semester and final grade reports are provided to students on the web through *My Grizzly Den* at <https://mygrizzlyden.missouristate.edu> by entering their BearPass Login and Password. Mid-semester and final grade reports are emailed to students who have any type of scholastic action as well as to those who received either a 'D' or 'F' grade on a course. Scholastic action letters are mailed to the permanent address.

# Incomplete Grades

In each instance where an 'I' grade is assigned, the course instructor shall, at the end of the semester in which the grade is given, indicate on the Assignment of Incomplete Grade what the student must do to complete work the course and how the completed work will affect the final grade. The original copy must be filed with the office of registration and records, which will then distribute copies to the student and then to the instructor. If a student needs to repeat a course or a significant portion of the course, a 'W' or 'F' should be assigned according to regulations governing the assignments of such grades. A 'W' grade cannot be assigned if the student has not officially dropped that course within the semester deadlines.

An 'I' grade must be removed by the end of the following semester (excluding summer) or earlier as specified by the instructor, otherwise the 'I' automatically becomes the grade the instructor has specified at the time the 'I' grade is given ('A', 'B', 'C', 'D' or 'F'). An extension of time limit or other necessary arrangements to remove an 'I' grade will be made only if a student makes a written request and it is approved by the instructor and the dean or his/her designee. An approved request for extension of time for removal of an 'I' grade must be placed on file in the office of registration and records. The student should make arrangements with the instructor for the completion of work. When the work is completed, the instructor will complete a grade Change Authorization Form in the office of registration and records. The student will be sent a copy of the form with a letter indicating the adjusted point average.

**For Graduates Only:** Students who have incomplete grades as of the end of the semester for which they have applied to graduate must remove those incomplete grades by the beginning of the first day of the following semester (summer for spring graduates, fall for summer graduates and spring for fall graduates) or they will not graduate that semester and must reapply for their future semester of graduation.

# Instructor Drop

If a student does not attend by the second class meeting of a semester or summer session, and has not informed the office of registration and records of the intent to remain in the course, the instructor may initiate proceedings to drop the student from the class. (This is done during the first week of classes and only when space is needed for another student. A student cannot drop a course merely by not attending classes.) The student who is dropped by the instructor will be notified of such action by the office of registration and records. Individual faculty may drop a student from a course if the student has failed to attend 25% or more of the class meetings after the first two weeks of class (first week for summer). This does not absolve students from the responsibility to drop courses they chose to no longer attend. Students could be responsible for paying for part or all of the class.



# Intersession Overload

1. Two credit hours in one week is an overload, and approval by the dean of academic affairs or his/her designee is required.
2. A student must have a 2.5 GPA and have completed 15 credit hours in order to take two intersessions in one week. An overload form is needed and must be approved by the dean of academic affairs or his/her designee.
3. Three intersession classes in one week will not be approved.
4. When two intersession weeks are offered, one credit may be taken in each week without considering it an overload.
5. Students who do not meet the above criteria may appeal to the dean of academic affairs or his/her designee if there are extenuating circumstances.

# Outcomes Assessment

The assessment program at Missouri State University-West Plains is designed to assist in the development and maintenance of high quality programs and services. The information gathered in this process is used by University administrators, division chairs, faculty, and staff to evaluate and improve both academic and non-academic offerings. Because the success of this program requires widespread cooperation from the entire university community, it is the policy of Missouri State University-West Plains that all students are expected to participate in the assessment process, including taking an exit examination which is required of all graduating students. This participation may include, but not be limited to, assessment activities focused on basic skills, general education, major programs, and surveys of student satisfaction.

# Pass/Not Pass Regulations

The pass/not pass option is intended to provide students an opportunity to pursue specialized or outside interests without penalty or reduction of grade point average. It allows students to participate more fully in those courses than the audit system permits.

**Caution:** Prerequisite requirements of other institutions may not be met with a course completed on a pass/not pass basis. A student shall have the option of having the earned grade in a pass/not pass course released to proper authorities. The decision to take a course on a pass/not pass basis cannot be reversed. Students may take courses on a pass/not pass basis under the following conditions:

1. Courses taken under the pass/not pass option cannot be used to satisfy general education, professional education or specific degree requirements (elective courses only).
2. Students will enroll for all courses on a regular graded basis. No later than Day 45 of the semester, the student may choose to take a course on a pass/not pass basis.
3. **Note:** A grade of 'C' or better is required in certain courses in order to take a subsequent course. Check course description for specific courses.
4. The pass/not pass option is not available to repeat courses in which the student has earned a 'D' or 'F' grade.
5. No more than six semester hours of pass/not pass credit may be applied toward any associate degree except in situations where agreements are in place for an articulated program/course.
6. No more than one course of pass/not pass may be taken in any one semester.
7. Courses which may be taken only on a pass/not pass basis are exempt from the limitations otherwise imposed upon students by pass/not pass regulations.
8. Students earning grades of 'A', 'B', 'C', or 'D' in courses for which they were enrolled on a pass/not pass basis are given a 'P' except as noted in certain course descriptions. Those failing will receive an 'NP'. Pass and Not Pass grades are not used in calculating the grade point average for a student's transcript.

# Registration

The University allows currently enrolled and readmitted/reinstated students to register well in advance of the beginning of each semester. Details are printed in each semester class schedule. New students are informed of registration opportunities with admission materials.

Any student registering for the first time or registering after an absence of two or more semesters (excluding summer) should file an application for admission or readmission well in advance of the beginning of the semester with the office of admissions. (See "Academic Calendar" for deadlines.) On the basis of this information, registration eligibility is established.

Any student indebted to the University is not permitted to register for any succeeding semester or summer term until the indebtedness has been paid.

Details regarding registration and the option of web registration are available on the [Registration Procedures page](#).

Students are not permitted to attend classes unless they are officially enrolled in those classes. Students whose names do not appear on a class list should contact the office of registration and records immediately. Students must be registered in a class prior to the day classes begin.

# Repeat Policy

A student may repeat any of the courses taken at Missouri State University-West Plains. There is no limit on the number of times that a course may be repeated. All attempts at a course and the grades earned (including those resulting in a 'W', 'I' and 'Z') appear on the transcript. The grade from the most recent attempt of a course, unless it is a 'W', 'I' or 'Z', will be the grade that counts in GPA calculations. For example, if a student takes a course four times and gets a 'P', 'B', 'C' and 'W', in that order, then the 'C' would be their official grade that would be used when calculating the student's grade point average. In addition, a course that has been repeated will only be counted once in the student's total credit hours earned.

The repeat policy is applicable to transfer credit as well as credit earned at Missouri State-West Plains. For example, if a student earns a 'C' in a course at Missouri State-West Plains and repeats an equivalent course at another institution, the 'C' will be removed from the calculation of the Missouri State-West Plains GPA. The transfer grade, however, will be included only in the transfer and combined grade point averages. See Grade Equivalencies in the "Transfer Credit Policy" section of the catalog for further information. Students should also be aware that even though a course prefix, number and/or title changes, it is still considered the same course for repeat policy purposes. The office of registration and records maintains the complete listing of course prefix and number changes and should be contacted for such questions.

Students should also be aware that many graduate and professional schools recalculate GPAs taking into account every grade that appears on a transcript.

Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters. Contact the [financial aid office](#) to find out how your financial aid may be impacted.

## Repeat Policy for Dalian branch campus

A course in which a student has received a grade of 'D' or 'F' may be repeated unless such

repetition is specifically prohibited or limited in the course description. Any subsequent repetition is made with the permission of the department head and division chair of the division in which the course is to be taken. Each repetition of the course replaces the prior grade(s) in all computations. Each attempt to complete the course will remain on the transcript. A student who repeats a course in which a passing grade has been earned and then receives an 'F' loses credit for the course. With advance permission of the department head and division chair of the division in which the course is taken, a student may repeat a course in which a grade of 'C' or better has been received. A student should be aware that the material covered in "One-Time-Only" and variable content courses may not be offered again or a particular class may be discontinued. In these cases the student may not have the opportunity to repeat the course.

# Second Degree

Students who have met all requirements may be awarded an additional associate degree in another field of study provided the following requirements are met:

1. Must fulfill the general and specific requirements for the second degree.
2. Must complete a minimum of 15 (fifteen) credit hours which are directly applicable to the second degree and in addition to those presented for the first degree.
3. Must graduate under the provisions of the Missouri State University-West Plains catalog in effect when the student files a degree program for a second degree.

# Senior Citizen Fee Waiver Program

Missouri State University-West Plains offers a fee waiver program to any Missouri resident at least 62 years of age who wishes to take up to 24 credit hours of academic courses offered by the University. Eligible students may register for one class per semester and have the required common fees and tuition waived; however, the student will buy textbooks (if required) and pay supplemental course fees. Classes must be taken on an audit basis. Participants in this program must take tuition-free courses on a noncredit basis and must satisfy all course prerequisites of Missouri State University-West Plains. Participants must be fully admitted to the University as nondegree students and must follow the regulations for nondegree students elsewhere in this catalog.

Seniors participating in this program must declare their intent to enroll in the program at the point of admission in order to have all required common fees/tuition waived. Seniors may register through the fee waiver program beginning on the Friday before classes begin. Registration can only be done on a "seats available" basis. If a degree-seeking student needs a seat in a course occupied by a senior citizen, the degree-seeking student will be given that seat. A minimum of ten students must be registered in a class before a senior citizen can register.

Qualifying students in this classification are:

- At least 62 years of age
- Nondegree-seeking
- Residents of the state of Missouri
- Citizen of the United States
- Not able to apply this waiver to online course offerings, Law Enforcement Academy classes or any course offered in conjunction with the South Central Career Center.
- Not able to apply this waiver to nursing courses. There are a limited number of seats



available and these are reserved for degree-seeking students.

# Transfer Programs

An associate of arts degree and an associate of science degree are transferable, can be used for baccalaureate programs and generally provide the student with junior standing. An articulation agreement exists with Missouri State University-Springfield for students enrolled in selected associate of applied science degree programs, which may allow students to be admitted to the Bachelor of Applied Science in Technology Management degree and the Bachelor of Applied Science in Agriculture degree. For further information, the student is encouraged to contact either the admissions office, the office of academic affairs, the office of Missouri State Outreach at the West Plains campus or the departments of technology or agriculture at the Springfield Campus.

For more information visit the transfer center's West Plains page.

# Variable Content Courses

Several courses in this catalog are identified in their descriptions as "variable content courses." Variable content courses include any courses, whether or not they can be repeated for additional credit, whose content may be substantially different from one semester to another. Not included in this category are special problems, special projects, readings, and research conducted on a tutorial basis with individual students. Unless otherwise stipulated in the course description, a variable content course may be taken only once for credit.

A student may apply no more than eight hours of variable content courses excluding capstone courses toward an associate degree. For this purpose, variable content is defined as any course having in either its course title or its description any of the following terms: variable content, special topics, issues, mini problems, seminars, projects, independent study or readings.

# Veteran Tuition Policy

The following individuals shall be charged the in-state rate, or otherwise considered a resident, for tuition purposes:

- A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, who lives in the State of Missouri while attending a school located in the State of Missouri (regardless of his/her formal State of residence) and enrolls in the school following a discharge from active duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in the State of Missouri while attending a school located in the State of Missouri (regardless of his/her formal State of residence) and enrolls in the school following the transferor's discharge from active duty service of 90 days or more.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Missouri while attending a school located in the State of Missouri (regardless of his/her formal State of residence) and enrolls in the school following the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school following discharge or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.
- Anyone using transferred Post-9/11 GI Bill benefits who lives in the State of Missouri and the transferor is a member of the uniformed service who is serving on active duty.

# Veterans Benefits

In compliance with the Veterans Benefits and Transition Act of 2018, Missouri State will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs provided the student.

# Withdrawal from University

Students who wish to withdraw from all courses for a given semester should follow the withdrawal procedure below. Withdrawal means dropping all classes for the term. Students are not withdrawn from classes until they have completed this process.

Students must initiate the withdrawal process either in person or electronically (through University email or by fax) with the registration and records office. Students cannot withdraw from the University through *My Grizzly Den* as the system will not drop a student's last class. Individuals taking only one class who wish to drop that class must withdraw from the University.

If a student withdraws prior to the Last Day to Drop/Withdraw, Pass/Not Pass, Change to Audit deadline (see Academic Calendar for specific dates), he or she will have a final grade of 'W'. This deadline is approximately one week prior to the end of the fall or spring semester and approximately two days prior to the end of the summer semester. A 'W' indicates the course was dropped without penalty.

The last day for withdrawing from school is one week prior to the last day of the semester (see the Academic Calendar for the specific date). Withdrawal dates for summer and intersession sessions are different. Contact the registration and records office for those dates. Withdrawal is not complete until the registration and records office has processed the paperwork. The date of withdrawal will be the date the withdrawal request is submitted to the registration and records office or the postmark date on a mailed request.

If academic dishonesty is substantiated after a student has withdrawn from the University or after a student has dropped a class, the 'XF' grade can still be assigned.

# Administrative Withdrawal

Students will be administratively withdrawn for the following circumstances:

- Reported as Never Attended by the
  - 10<sup>th</sup> class day of the 16-week or longer term
  - 7<sup>th</sup> class day of the 8-week term
  - 4<sup>th</sup> class day of the 5-week and 4-week term
  - 2<sup>nd</sup> class day of a 2-week or less term
- Determined to have enrolled in a course without the appropriate prerequisite course
- Are academically suspended and have not been reinstated through the academic appeal process

Students who are administratively withdrawn will have their schedule removed and tuition and fees will be refunded at 100%. However, non-tuition related charges will continue to be the responsibility of the student. Students may be responsible financially for all classes.

# Withdrawal from University for Military

If a student withdraws due to military mobilization, the following policy should be implemented.

## Withdrawal Procedure

Normal withdrawal procedures should be followed whenever possible. However, if students are unable to complete the necessary paperwork by coming into the office of registration and records in Cass Hall or writing a letter of withdrawal, the University shall accept notification from the student or a family member. All notifications will be verified by the office of registration and records. Military paperwork would be required as proof of military service within 30 days of withdraw request.

## Refunds

Students will receive 100% of their required student fees when they officially withdraw for required military service any time during the current semester. Should students have financial aid, any refund must be paid back to the aid source(s) first. Students should contact the office of financial aid for more information. Students drawing Veterans Administration (VA) educational benefits should contact the Veteran Services and notify the VA Certifying Official of their withdrawal and orders to report for duty. Students shall receive a full refund for textbooks purchased at and returned to the Drago College Store. The housing refund will be prorated based on the number of days room and board was actually used.

## Grading of Officially Processed Drops or



# Withdrawals

Students who withdraw before a semester begins or during the first week of classes shall not receive a 'W' or any grade on their transcript. Students withdrawing the second week of classes through the automatic 'W' deadline shall receive a 'W' grade for each class in which they are enrolled except for completed intersession or first-block courses. Students withdrawing or dropping individual classes after the automatic 'W' deadline shall receive a 'W'.

Should students be mobilized at such a point in the semester that the course instructors believe that they have completed a majority of the material in their classes, the instructor may assign a passing grade or initiate an 'I' grade. Students will receive a 100% refund only for those classes that are officially processed as a drop or a withdrawal.

## Administrative Withdrawal

Students will be administratively withdrawn for the following circumstances:

- Reported as Never Attended by the
  - 10<sup>th</sup> class day of the 16-week or longer term
  - 7<sup>th</sup> class day of the 8-week term
  - 4<sup>th</sup> class day of the 5-week and 4-week term
  - 2<sup>nd</sup> class day of a 2-week or less term
- Determined to have enrolled in a course without the appropriate prerequisite course
- Are academically suspended and have not been reinstated through the academic appeal process

Students who are administratively withdrawn will have their schedule removed and tuition and fees will be refunded at 100%. However, non-tuition related charges will continue to be the responsibility of the student. Students may be responsible financially for all classes.

# Transferring Credit Earned in High School

## Bringing college credit with you to MSU-WP

Missouri State- West Plains recognizes several credit by exam programs and grants credit for certain military experiences, dual credit programs, and college courses taken at regionally accredited colleges or universities.

## How dual credit transfers

Want to know how your college credit earned through dual credit will transfer? Try out our Transfer Equivalency Self Service tool to see how the courses you've already taken fit into our degree programs.

## Submitting your transcript

We need your official transcripts from each college- in addition to your high school transcript- before your transfer credit evaluation will be complete.

Request that your official transcript be sent to:

Admissions Office  
Missouri State University-West Plains  
128 Garfield Ave.  
West Plains, MO 65775

If you earned college credit through the Missouri State dual credit program, you do not need to request a transcript. Your credit will already be on your Missouri State record, and your

advisor will have that information when you come to STAR orientation.

See our transfer credit policy for details.

## **Credit by exam**

College credit earned through credit by exam programs may count toward degree requirements and allow you to take advanced courses earlier. See our transfer policy for the programs we recognize.


Military credit and credit by examination courses do not carry a letter grade and do not impact your GPA.

We cannot transfer credit from another college or university for a credit by exam course. You must request that original score reports from your credit by exams be sent directly to the office of admissions at Missouri State- West Plains.

# Glossary of Terms

This reference guide is designed to assist in defining terms frequently used at Missouri State University and in the Undergraduate Catalog.

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| <b>Academic Advisor :</b>            | A University employee who is committed to helping students meet their educational goals and to make informed and responsible decisions.                                |
| <b>Academic Year :</b>               | Begins in August with the fall Intersession, continues through the spring semester and concludes with the summer session.  |
| <b>Alumni :</b>                      | Individuals who have attended or graduated from a particular college or University.  |
| <b>Admission to Degree Program :</b> | A process required of students who have a major with specific admission requirements.  |
| <b>Auditing a Class :</b>            | A grading option that allows completion of a course without receiving credit or a traditional grade. An audited course cannot be used to fulfill a degree requirement. |
| <b>BearPass Card :</b>               | Student's official University identification card.   |
| <b>Block :</b>                       | Classes meets for only the first or second half of the term (semester).  |
| <b>Board of Governors :</b>          | Governing body for Missouri State University appointed by the Governor of Missouri.  |
| <b>Catalog :</b>                     | University's official publication of academic policies and procedures, programs of study and course offerings for a particular academic year.                          |
| <b>Certificate :</b>                 | Document representing that the student has completed a University Certificate.   |
| <b>Chancellor :</b>                  | Highest administrative officer of the campus.  |

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| <b>Change of Schedule Period :</b>                 | First five days of the fall, spring, and summer semester sessions in which students can add and drop classes.   |
| <b>Class Schedule :</b>                            | An online listing of courses offered for a specific term.   |
| <b>College Level Examinations Program (CLEP) :</b> | Program that allows students to receive credit by examination instead of completing a course.   |
| <b>Commencement :</b>                              | Ceremony held at the end of the spring semester to recognize candidates for graduation.   |
| <b>Core 42 :</b>                                   | A framework for general education that all Missouri public two- and four-year institutions of higher education will adopt effective for the 2018-19 academic year that will facilitate the seamless transfer of academic credits.                 |
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| <b>Corequisite :</b>                               | Two or more courses that must be taken during the same semester.  |
| <b>Credit by Examination (CBE) :</b>               | Method of earning academic credit outside of traditional course offerings.  |
| <b>Credit Hour :</b>                               | Standard unit of measuring coursework. The unit of credit used at Missouri State is the semester hour.  |
| <b>Cross-Listed Courses :</b>                      | Two or more different courses taught in the same room, at the same time, with the same instructor. Students may receive credit toward graduation for only one.  |
| <b>Darr Honors Program :</b>                       | Designed to serve the needs of academically talented, high-achieving students accepted into the Honors College Program.   |
| <b>Dean :</b>                                      | Highest administrative officer within academic affairs or student services.   |
| <b>Dean's List :</b>                               | Published list of students who have achieved a specific level of achievement established by the University. The list is published at the conclusion of each semester and Summer Session.  |
| <b>Degree Audit :</b>                              | Advising tool designed to assist in tracking a student's progress towards graduation.   |
| <b>Department Head :</b>                           | Administrative officer holding faculty rank; responsible for a primary unit within an academic organization.  |
| <b>Diploma :</b>                                   | Document provided by the University certifying that the student has earned a degree.  |
| <b>Division Chair :</b>                            | Administrative officer holding faculty rank; responsible for a grouping of academic departments and degree programs   |
| <b>Dual Enrollment :</b>                           | Typically refers to high school students who are receiving high school credit while also being enrolled in college-level credit. This term can also refer to students who are concurrently enrolled in two or more higher education institutions. |
| <b>Enrollment Status :</b>                         | Terms used for reporting a student's academic load to external agencies. (i.e., full-time, half-time, less than half-time)  |
| <b>Good Standing :</b>                             | Academic status of students who are not on probation or under suspension.   |
| <b>General Education Requirements :</b>            | Group of foundation courses required of undergraduate students regardless of the student's major.   |

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| <b>Grade Point :</b>               | Numerical value given to grades. For example, four grade points per credit hour is awarded for a grade of "A".  |
| <b>Grade Point Average (GPA) :</b> | Calculation derived from dividing the grade points earned by the number of credits attempted.   |
| <b>Hold :</b>                      | Block which prohibits students from functions such as registering for courses or receiving a transcript or diploma. Most holds are due to an unpaid financial obligation or failure to complete a required process. |
| <b>Honors, Scholastic :</b>        | Designation indicated on the graduates' diploma and transcript that reflects outstanding scholarship.   |
| <b>Identical Courses :</b>         | Those courses identified by multiple course codes and/or numbers that are taught in the same classroom, at the same time and by the same instructor. Student may only receive credit toward graduation for one.     |
| <b>Incomplete Grade :</b>          | Assigned when a student has not completed all work for a course and the instructor agrees to allow additional time for completion of the course.  |
| <b>Internship :</b>                | Work at a business or agency related to a student's major and/or career plans for which credit hours are awarded.   |
| <b>Intersession :</b>              | Brief period (typically 1-3 weeks) between semesters when a limited number of courses are offered.  |
| <b><i>My Grizzly Den</i> :</b>     | Web-based system that provides access to personal student information, email, blackboard, online registration and much more. A BearPass account is required to access the system.                                   |
| <b>Non-Resident :</b>              | Student who does not meet requirements for classification as a Missouri resident for fee purposes in accordance with the residence policy.  |
| <b>Non-Traditional Student :</b>   | Includes evening students, married students, students with children and students of 22 years of age or older.   |
| <b>Option :</b>                    | Subset of courses within a degree program that represent a specialized area of study. Officially approved options appear on the transcript but are not printed on the diploma.                                      |
| <b>Overload :</b>                  | Semester credit hours that exceed the maximum number of hours permitted based on the student level (undergraduate or graduate). Permission is required for an overload.   |
| <b>Pass/Not Pass :</b>             | Grading option that allows students to pursue coursework without receiving a traditional grade noted on course or transcript.   |
| <b>Prerequisite :</b>              | Specific requirements that must be met prior to enrolling in a given class. Prerequisites may consist of courses, test scores or enrollment in a specific program of study.   |
| <b>Probation :</b>                 | Status that indicates unsatisfactory academic progress. Students may be subject to academic load limitations and other restrictions.  |
| <b>Program of Study :</b>          | All requirements that a student must complete in order to be awarded a degree or University certificate.  |
| <b>Readmission :</b>               | Admission process followed by a student who wishes to enroll  |

after not taking classes for two major semesters excluding summer.

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| <b>Registration Restriction :</b> | A type of prerequisite that requires student be in a specific program of study in order to take the class  |
| <b>Reinstatement :</b>            | Process by which a suspended student appeals to return to the University.  |
| <b>Semester :</b>                 | Instructional period of 15 weeks plus a final examination period offered twice a year (referred to as Fall and Spring semester). Additional instructional periods include intersessions and a summer session.  |
| <b>Service Learning :</b>         | Program which allows students to earn academic credit in selected courses in exchange for meaningful and productive community service.   |
| <b>Student Services Fees :</b>    | Required fees assessed at the time of registration that cover the student's access to a variety of services, programs and activities.  |
| <b>Suspension :</b>               | Status that prevents a student from enrolling in courses unless an exception is granted by the dean of the student's major.  |
| <b>Syllabus :</b>                 | Document describing the objectives, outcomes, assessment activities and structure of a course that is made available to students during the first week of classes.   |
| <b>Term :</b>                     | Terminology for a semester.  |
| <b>Transcript :</b>               | Serves as the student's official academic record and the University's official record of credit and degrees awarded, including the courses taken by a student and the grades received in each course. Probations, suspensions and disciplinary expulsions also appear on the transcript. |
| <b>Transfer Credit :</b>          | Courses taken at another accredited institution and accepted toward degree requirements at Missouri State.   |
| <b>Tuition :</b>                  | The amount of money that must be paid for classes. Other fees may be assessed in addition to tuition.  |
| <b>'W' Grade :</b>                | Indicates student withdrew from (dropped) a class without academic penalty.  |