

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, including the 2014-15 catalog, are available in the Catalog Archive. The July 1 version of each catalog is the 'catalog of record' for each respective academic year.

New in this edition

- [Associate of Applied Science in Entrepreneurship with an option in the Culinary Arts](#)
- [Associate of Applied Science in Health Information Technology](#)
- [Associate of Applied Science in Technology with an option in Manufacturing](#)
- [Associate of Applied Science in Wine Business and Entrepreneurship](#)
- [Associate of Science in Agriculture](#)
- [Associate of Science in Pre-Engineering](#)
- [Certificate in Manufacturing Technology](#)
- [Certificate in Allied Health-Certified Nursing Assistant](#)

Publishing schedule

Preliminary edition

April 2015

(effective fall 2015 - summer 2016)

First edition

July 2015

(effective fall 2015 - summer 2016)

Second edition

November 2015

(effective spring 2016 - summer 2016)

- [Certificate in Animal Science](#)
- [Certificate in Applied Entrepreneurship](#)
- [Certificate in Equine Studies](#)
- [Certificate in General Agriculture](#)
- [Certificate in Natural Resources](#)
- [Certificate in Plant Science](#)
- [Certificate in Wildlife Management](#)

Associate of Applied Science in Entrepreneurship

Entrepreneurship (AAS)

Associate of Applied Science

General Education Core Requirements

**Credit
Hours**

COM 115 Fundamentals of Public Speaking

3

ENG 110 Writing I

3

MGT 130 Business Math or MTH 103 Intermediate Algebra

3

PLS 101 American Democracy and Citizenship

3

IDS 110 Student Success

2

General Education Core Total

14

Major Requirements

**Credit
Hours**

- AGR 297 Global Agriculture and Food Production or
- BUS 297 International Business (Capstone Course)

3

CIS 101 Computers for Learning

3

- AGR 299 Agriculture Internship or
- EPR 299 Internship in Entrepreneurship

3

Total Major Requirements Hours

9

Agricultural Business Option

Course	Credit Hours
ACC 201 Introduction to Financial Accounting	3
EPR 140 Accounting for Small Businesses	3
AGR 101 Animal Science	4
<ul style="list-style-type: none">• AGR 103 Plant Science or• AGR 115 Sustainable Agriculture & the Environment	3
AGR 144 Agricultural Economics*	4
AGR 215 Soils	3
AGR 230 Introduction to Agricultural Business	3
EPR 121 Accounting Software Applications	3
EPR 130 Sales & Customer Service	3
LAW 231 Legal Environment of Business	3
MGT 286 Business Communications	3
PSY 121 Introduction to Psychology	3
QBA 237 Basic Business Statistics	
Select from the following	11
ACC 211 Introduction to Managerial Accounting	3
EPR 121 Accounting Software Applications	3
EPR 130 Sales & Customer Service	3
FIN 266 Principles of Real Estate	3
INS 211 Insurance	3
MKT 150 Introduction to Marketing	3

AGR or EPR Electives 5

Total Agriculture Business Hours 42

*ECO 155 and ECO 165 may be substituted for AGR 144

Culinary Arts Option

Course	Credit Hours
EPR 110 Introduction to Entrepreneurship	3
EPR 121 Accounting Software Applications	2
EPR 130 Sales and Customer Service	3
EPR 150 Marketing for Small Businesses	3
EPR 160 Legal Issues for Entrepreneurs	3
EPR 290 Business Plan Development	3
FCA 150 Culinary Arts I **	12
FCA 155 Culinary Arts II **	12
Total Culinary Arts Hours	41

**FCA 150 and FCA 155 is offered in cooperation with the South Central Career Center (SCCC). FSA 160 may be substituted for FCA 150 and FCA 155.

General Business Option

Course	Credit Hours
ECO 155 Principles of Macroeconomics	3
EPR 110 Introduction to Entrepreneurship	3
EPR 121 Accounting Software Applications	3
EPR 150 Marketing for Small Businesses	3

EPR 160 Legal Issues for Entrepreneurs	3
EPR 290 Business Plan Development	3
MGT 286 Business Communications	3

Select 18 credit hours of electives, including a minimum of 6 EPR credit hours. Additional Electives shall be selected in consultation with the faculty advisor and should support the student's individual career and educational goals. Electives may not include ENG 100 Introduction to College Composition, MTH 020 Pre-Algebra (Math Lab Class) or MTH 030 Beginning Algebra (Math Lab Class).

General Business Hours	42
Total Hours Required	62

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. The student completing the degree program will be eligible to take the Registered Health Information Technologist Certification Examination when we reach the level of candidacy with CAHIIM. This program is not accredited by CAHIIM at this time due to meeting the necessary approvals including Curriculum, BOG and CBHE. Certification is required at some (not all) healthcare facilities to become employed as a Health Information Specialist. Pathways for certification may be completed through the AAPC at this time without accreditation with CAHIIM. It is our full intention to become accredited by CAHIIM following the process completion of Curriculum, BOG and CBE.

Foundational Courses	Credit Hours
ENG 110 Writing I	3
<ul style="list-style-type: none">• ENG 210 Writing II: Academic Writing or• ENG 221 Writing II Writing for the Professions	3
IDS 110 Student Success	2
MTH 103 Intermediate Algebra or Higher	3
PLS 101 Political Science	3
BMS 110 Introduction to Biomedical Sciences	4
PSY 121 Introduction to Psychology	3
Total Foundational Course Hours	21

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 212 Personal Computer Systems in Business	3
CIS 232 Spreadsheets	3
Total Computer Information System Hours	9
Health Information Technology	Credit Hours
HIT 100 Introduction to Health Information Technology	3
HIT 110 Medical Billing and Coding I	3
HIT 115 Health Systems	3
HIT 200 Comparative Health Records	3
HIT 201 Healthcare Quality Management	3
HIT 210 Medical Billing and Coding II	3
HIT 220 Medical Billing and Coding III	3
HIT 260 Legal and Ethical Aspects of Healthcare	3
HIT 297 Professional Practice of Health Information Technology	3
Total Health Information Technology Hours	27
Allied Health	Credit Hours
ALH 116 Medical Terminology	2
ALH 270 Pathophysiology	3
Total Allied Health Hours	5
Total Degree Hours	62

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.

Associate of Applied Science in Technology

Technology (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
COM 115 Fundamentals of Public Speaking	3
ENG 110 Writing I	3
<ul style="list-style-type: none"> ENG 210 Writing II: Academic Writing ENG 221 Writing II: Writing for the Professions 	3
IDS 110 Student Success	2
<ul style="list-style-type: none"> MTH 103 or MGT 130 Business Mathematics 	3
PLS 101 American Democracy and Citizenship	3
General Education Core Total	17
Technology Core Requirements	Credit Hours
CIS 101 Computers for Learning	3
<ul style="list-style-type: none"> AGR 297/IDS 297 Global Agriculture & Food Production BUS 297/IDS 297 International Business or IDS 297 The Balance of our Planet 	3
TEC 105 Technology's Impact on Society	3

Technology Core Total	9
------------------------------	----------

Total Core Requirements	26
--------------------------------	-----------

General Technology Option

General Technology Option Requirements	Credit Hours
---	---------------------

Select any combination of the following courses:	36
--	----

ACC, AGR, BUS, CGP, CIS, CTC, EPR, FIN, INS, LAW, MGT, QBA, TEC, VIN, transferred from the South Central Career Center in West Plains Missouri and the Ozark Mountain Technical Center in Mountain Grove Missouri.

Total General Technology Hours	36
---------------------------------------	-----------

Alternative Energy Option

Alternative Energy Option Requirements	Credit Hours
---	---------------------

CHM 105 Fundamentals of Chemistry	5
-----------------------------------	---

AGR 115 Sustainable Agriculture and the Environment	3
---	---

AGR 103 Plant Science	3
-----------------------	---

AGR 104 Plant Science Lab	1
---------------------------	---

AGR 143 Introduction to Forestry	3
----------------------------------	---

AGR 230 Agricultural Entrepreneurship	3
---------------------------------------	---

TEC 100 Survey of Electronics	3
-------------------------------	---

TEC 200 Alternative Energy: 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	3
-------------------------------	---

Manufacturing Option

Manufacturing Option requirements	Credit Hours
TEC 100 Survey of Electronics	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 & Electronics	3
TEC 205 Employee Management & Supervision	3
TEC 220 Technology Management	3
TEC 245 Mechanical Systems and Fluid power	3
TEC 275 Automated Manufacturing	3
TEC 299 Technology Internship	3
Manufacturing Option Total	36

Technology Management Option

Technology Management Option Requirements	Credit Hours
<ul style="list-style-type: none"> • ACC 201 Introduction to Financial Accounting or • ACC 140 Survey of Accounting 	3
ECO 155 Macroeconomics	3
MGT 286 Business Communications	3

TEC 112 Introduction to Supply Chain Management	3
TEC 205 Employee Management & Supervision	3
TEC 220 Technology Management	3
TEC 232 Quality Management	3
TEC 250 Safety Management	3
TEC 255 Project Management	3
TEC 299 Technology Internship	3
Electives	6
Technology Management Total	36
Degree Requirements	Credit Hours
Total Degree Hours	62

Associate of Applied Science in Wine Business and Entrepreneurship

Wine Business and Entrepreneurship (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
AGR 157 Principles of Agricultural Mechanization	3
BIO 101 Biology in Your World	3
BIO 111 Understanding Biological Systems Through Inquiry	1
<ul style="list-style-type: none">• COM 115 Fundamentals of Public Speaking or• MGT 286 Business Communication	3
ENG 110 Writing I	3
ENG 221 Writing II: Writing for the Professions	3
MTH 103 Intermediate Algebra or higher (except MTH 197 or MTH 297)	3
PLS 101 American Democracy and Citizenship	3
PHY 100 Survey of Physics with Laboratory	4
QBA 237 Basic Business Statistics	3
IDS 110 Student Success	2
General Education Core Total	31
Wine Business & Entrepreneurship Core	Credit Hours

VIN 130 New Wine Feasibility	3
------------------------------	---

VIN 132 Finance & Accounting for Wine Business	3
--	---

VIN 134 Survey of Viticulture & Enology for Wine Business	3
---	---

• VIN 190 Vineyard Safety or	1-2
------------------------------	-----

• VIN 290 Winery Safety	
-------------------------	--

VIN 202 Legal Aspects of Vineyard and Winery Operation	3
--	---

• VIN 251 Grapes to Market & Grower Relations or	2-3
--	-----

• VIN 271 Advanced Wine Marketing	
-----------------------------------	--

• VIN 250 Vineyard Equipment Technology for the Entrepreneur or	2-3
---	-----

• VIN 260 Winery Equipment Technology for the Entrepreneur	
--	--

• CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab or	4-5
--	-----

• VIN 105 Chemistry for the Winemaker	
---------------------------------------	--

CIS 101 Computers for Learning	3
--------------------------------	---

Viticulture Core Totals	30-31
--------------------------------	--------------

Degree Requirements	Credit Hours
----------------------------	---------------------

Total Hours	61
--------------------	-----------

Associate of Science in Agriculture

Agriculture (AS)

Associate of Science

The required general education courses for the Associate of Science in Agriculture are listed as follows:

Foundations Requirements [£]	Credit Hours
Student Success (IDS 110)	2
Writing Communications and Information Literacy: ENG 110	3
Communications: (COM 115)	3
Quantative Literacy, Select 1: MTH 135, MTH 138, MTH 181 or MTH 261	3
Written communications and Integrative Applied Learning, Select 1: ENG 210 or ENG 221	3

[£] The **basic skills** block constitutes preparatory courses necessary for completing a college education and should therefore be completed as soon as possible.

Public Affairs Requirements	Credit Hours
US and MO Constitutions and American History <ul style="list-style-type: none"> Political Science: PLS 101 History Select 1: HST 121 or HST 122 	6
Cultural Competence: Select 1 <ul style="list-style-type: none"> Religion: REL 100 Geography: GRY 100 	3
Public Issues: Select 1	3

- Computer Information: CIS 200
- Communications: COM 110
- Economics: ECO 101
- Philosophy: PHI 105, PHI 115
- Political Science: PLS 205, PLS 232
- Technology: TEC 105

Human Culture Requirements

**Credit
Hours**

Humanities: Select 1

3

- Literature: LLT 121 or above
- English: ENG 230, ENG 231, ENG 235, ENG 236, ENG 280, ENG 283, ENG 285, ENG 288
- Music: MUS 241
- Media: MED 274
- Philosophy: PHI 110
- Religion: REL 101, REL 102
- History: HST 103, HST 104
- Foreign Language: Any Course

Social and Behavioral Science: Select 2

6

- Economics: AGR 100, AGR 144 or ECO 155 and ECO 165
- Psychology: PSY 121

The Arts: Select 1

3

- Art: ART 200
 - English: ENG 203, ENG 205, or ENG 215
 - Music: MUS 239
 - Theater: THE 101
-

Natural World Requirements**Credit
Hours**

At least one course from each area, two different subject codes, at least one with a lab[†]
See Agricultural Requirements section for additional information.

7-9

Life Sciences

- Biology: BIO 101, BIO *111[†], BIO *121[†]
- Geology: GLG 115

Physical Sciences

- Chemistry: CHM 116 (Lab component CHM 117), CHM 160
- Geosciences: GLG 110, GLG 171, GRY *135, GRY 142

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.

Total General Education Block Hours**45-47****Other Course Requirements****Credit
Hours**

CIS 101 Computers for Learning

3

IDS 297/AGR 297 Global Agriculture and Food Production (Capstone)

3

Total Other Requirements Hours**6****Agriculture Requirements****Credit
Hours**

A minimum of 12 hours from **one** of the following groups:

Agricultural Business GroupACC 201[¥], AGR 101, AGR 103, AGR 115, AGR 215, AGR 161[€], LAW 231, MGT 286, QBA 237

General Education Requirements Include: MTH 135, MTH 181, MTH 261 or MTH 287; PSY 121; CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160; AGR 144

Agriculture Education Group

AGR 101 AGR 103 or AGR 115, AGR 104, AGR 143, AGR 215, AGR 216

General Education Requirements Include: BIO 101, BIO 111, AGR 144, CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160, PSY 121

Animal Science Group

AGR 101, AGR 103 or AGR 115, AGR 104, AGR 215, AGR 216, AGR 161, AGR 162, AGR 191, AGR 196, AGR 250, AGR 262

General Education Requirements Include: BIO 101, BIO 111, AGR 144, CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160

General Agriculture Group

AGR 101, AGR 103, or AGR 115, AGR 104, AGR 144, AGR 157, AGR 215, AGR 216

General Education Requirements Include: AGR 100, BIO 101 & BIO 111 or BIO 121, GLG 110 or GRY 135 or GRY 142, AGR 144, CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160, PSY 121

Natural Resources Group

AGR 101, AGR 103, AGR 104, AGR 115, AGR 143, AGR 215, AGR 216

General Education Requirements Include: BIO 101 & BIO 111 or BIO 121, GLG 110 or GRY 135 or GRY 142, AGR 144, CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160

Plant Science Group

AGR 103, AGR 104, AGR 115, AGR 143, AGR 215, AGR 216, AGR 144 or ECO 155, ECO 165

General Education Requirements Include: BIO 101 & BIO 111 or BIO 121, AGR 144 or ECO 155, ECO 165, CHM 107 & CHM 108 or CHM 116 & CHM 117 or CHM 160

Wildlife Conservation and Management Group

AGR 103 or AGR 115, AGR 104, AGR 143, AGR 215, AGR 216, BIO 121, BIO 122, GLG 110

General Education Requirements Include: BIO 121, GLG 110, GRY 100, MTH 135 or MTH 138, CHM 116 & CHM 117 or CHM 160

Total Agricultural Requirements Hours **12**

Total Associate of Science in Agriculture Degree Hours **63**

¥ *Recommended for students interested in Agriculture Finance and Management*

€ *Recommended for students interested in Agriculture Enterprise and Management*

Associate of Science in Pre-Engineering

Pre-Engineering (AS)

Associate of Science

General Education Requirements	Credit Hours
Complete all courses below for total of 17 credits	
IDS 110 Student Success	2
<ul style="list-style-type: none"> ECO 165 Principles of Microeconomics or ECO 155 Principles of Macroeconomics 	3
ENG 110 Writing I	3
<ul style="list-style-type: none"> COM 115 Fundamentals of Public Speaking or ENG 210 Writing II: Academic Writing or ENG 221 Writing II: Writing for the Professions 	3
IDS 297 Topics in Globalization	3
<ul style="list-style-type: none"> PLS 101 American Democracy & Citizenship or HST 121 Survey of US History to 1877 or HST 122 Survey of US History since 1877 	3
General Education Total	17

Humanities & Social Sciences	Credit Hours
Select two courses below:	
ART 200 Art in Context	3

FRN 101 Elementary French I	3
FRN 102 Elementary French II	3
GRM 101 Elementary German I	3
GRM 102 Elementary German II	3
GRY 100 World Regional Geography	3
HST 121 History of Us to 1877	3
HST 122 History of Us since 1877	3
MUS 241 The Language of Music	3
PHI 105 Logic, Language, and Argumentation	3
PHI 110 Introduction to Philosophy	3
PSY 121 Introductory Psychology	3
SPN 101 Elementary Spanish I	3
SPN 102 Elementary Spanish II	3
Humanities & Social Sciences Total	6

Engineering Requirements	Credit Hours
Complete all courses below:	
CHM 160 General Chemistry	4
CHM 161 General Chemistry Lab	1
CSC 125 Introduction to C++ Programming	4
MTH 261 Analytic Geometry & Calculus I	5
MTH 280 Analytic Geometry & Calculus II	5
MTH 292 Multivariate Calculus	3
PHY 203 Foundations of Physics I	5

Engineering Total**27****Additional Requirements****Credit
Hours**select 4 courses below for total of **12** credit hours

CGP 145 Introduction to Computer Programming

3

CIS 101 Computers for Learning

3

MTH 135 College Algebra

3

MTH 138 Pre-Calculus Mathematics

5

MTH 181 Trigonometry

3

TEC 299 Technology Internship

1-3

Other BIO, CGP, CHM, CIS, CSC, MTH, PHY or TEC courses approved by
department/division

1-12

Additional Requirements Total Credit Hours**12****AS in Pre-Engineering Total Hours****62**

Courses indicated by * do not satisfy degree requirements or elective credits in most engineering programs but may transfer as general credits.

Students should select either MTH 135 and MTH 181 or MTH 138 but not both.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

A grade of "C" or better is required in Calculus and Physics as well as other courses depending on academic major.

Certificate in Manufacturing Technology

Manufacturing Technology (Cert)

Certificate

Certificate in Manufacturing Technology

Manufacturing Technology Certificate	Credit Hours
TEC 100 Survey of Electronics	3
TEC 111 Manufacturing Materials & Processes	3
TEC 123 Employment in Manufacturing Occupations	3
TEC 245 Mechanical Systems and Fluid Power	3
TEC 165 Manufacturing Technology	3
TEC 175 Welding Technology	3
TEC 200 Applied Electricity & Electronics	3
TEC 275 Automated Manufacturing	3
TEC 299 Technology Internship	3
Total Hours	27

Certificate in Certified Nursing Assistant (CNA)

Certified Nursing Assistant (Cert)

Certificate

25-26 hour certificate to qualify for financial aid

Fall Semester (13 or 14 credit hours):

Course	Credit Hours
ENG 101 or ENG 110 (depending on placement)	4-3
ALH 116 Medical Terminology	2
CFD 130 Essentials of Nutrition	3
CFD 155 Principles of Human Development	3
IDS 110 Student Success	2

Spring Semester (12 credit hours):

Course	Credit Hours
ALH 100 Certified Nurse Assistant	3
ALH 105 Certified Nurse Assistant Clinical	3
COM 205 Interpersonal Communications	3
MTH 103 Intermediate Algebra or MTH 130 Contemporary Mathematics, depending on placement	3

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 stand alone certificate program, courses in this certificate may also be used to complete the AS in Agriculture or the AAS in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions.

Animal Science Certification Requirements	Credit Hours
AGR 101 Animal Science	4
AGR 103 Plant Science or AGR 115 Sustainable Agriculture and the Environment	3
AGR 144 Agricultural Economics I	4
AGR 196 Dairy/Meat Animal Evaluation	2
AGR 215 Soils	3
AGR 299 Agricultural Internship	1-3
AGR Elective (3 credit hours)	3
Total Credit Hours	24

Certificate in Applied Entrepreneurship

Applied Entrepreneurship (Cert)

Certificate

The Certificate in Applied Entrepreneurship provides practical knowledge and skills in small business management and entrepreneurship. This certificate is recommended for students starting and running their own business. While the Certificate in Applied Entrepreneurship may be completed as a stand alone certificate program, courses in this certificate may also be used to complete the AAS in Entrepreneurship.

Certificate in Applied Entrepreneurship	Credit Hours
EPR 110 Introduction to Entrepreneurship	3
EPR 121 Accounting Software Applications	3
EPR 130 Sales & Customer Service	3
EPR 290 Business Plan Development	3
MKT 150 Introduction to Marketing	3
EPR 299 Internship in Entrepreneurship	3
LAW 231 Legal Environment of Business	3
EPR Electives	6
Total Hours Required	27

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, evaluation and riding. An internship experience is also included to provide practical knowledge in equine science. While the Certificate in Equine Studies may be also included as a stand alone certificate program, courses in this certificate may also be used to complete the AS in Agriculture or AAS in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions.

Equine Studies Certification Requirements	Credit Hours
AGR 101 Animal Science	4
AGR 161 Introduction to Horses	3
AGR 162 Introduction to Riding	1
AGR 163 Introduction to Hunt	1
AGR 164 Introduction to Stock Seat Equestrian Competition	1
AGR 191 Evaluation & Performance Appraisal of Horses	2
AGR 262 Riding for Horse Training	2
AGR 299 Agricultural Internship	3
AGR Electives	7
Total Credit Hours	24

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 stand alone certificate program, courses in this certificate may also be used to complete the AS in Agriculture or AAS in General Agriculture. Courses included in this certificate may also be applied toward the MSU BAS in General Agriculture, among other possible degrees at four-year institutions.

General Education Core Requirements	Credit Hours
AGR 100 Food Security	3
AGR 101 Animal Science	4
AGR 103 Plant Science or AGR 115 Sustainable Agriculture & the Environment	3
AGR 144 Agricultural Economics*	4
AGR 157 Principles of Agricultural Mechanization	3
AGR 215 Soils	3
AGR 299 Agricultural Internship	3
AGR Electives	3
General Agriculture Certification Total	26

* Note: ECO 155 and ECO 165 can be substituted for AGR 144

Certificate in Natural Resources

Natural Resources (Cert)

Certificate

The Certificate in Natural Resources provides knowledge and skills pertinent to the management and stewardship of natural resources. A broad range of topics are covered, including animal science, plant science, sustainable agriculture, forestry, soils, geology, geography and an internship are included in this certificate. While the Certificate in Natural Resources may be completed as a stand alone certificate program, courses in this certificate may also be used to complete the AS in Agriculture or AAS in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions.

Natural Resources Certification Requirements	Credit Hours
AGR 101 Animal Science	4
AGR 103 Plant Science	3
AGR 115 Sustainable Agriculture & the Environment	3
AGR 143 Introductory Forestry	3
AGR 144 Agricultural Economics	4
AGR 215 Soils	3
AGR 299 Agricultural Internship	3
GLG 110 Principles of Geology or GRY 135 Atmospheric Science or 142 Introductory Physical Geography	3
Total Credit Hours	26

NOTE: ECO 155 and ECO 165 can be substituted for AGR 144

Certificate in Plant Science

Plant Science (Cert)

Certificate

The Certificate in Plant Science provides a broad basis of knowledge pertinent to the plant science, including plant science, forestry, soils and sustainable agriculture. An internship experience is also included to provide a practical knowledge in plant science. While the Certificate in Plant Science may be completed as a stand alone certificate program, courses in this certificate may be used to complete the AS in Agriculture or AAS in General Agriculture. Courses included may also be applied toward bachelor degrees at some four-year institutions.

Plant Science Certification Requirements	Credit Hours
AGR 101 Animal Science	4
AGR 103 Plant Science	3
AGR 104 Plant Science Lab	1
AGR 115 Sustainable Agriculture & the Environment	3
AGR 143 Introductory Forestry	3
AGR 144 Agricultural Economics	4
AGR 215 Soils	3
AGR 299 Agricultural Internship	3
Total Credit Hours	24

Note: ECO 155 and ECO 165 can be substituted for AGR 144

Certificate in Wildlife Management

Wildlife Management (Cert)

Certificate

The Certificate in Wildlife Management provides knowledge and skills pertinent to the field of wildlife conservation and management. A broad range of topics are covered, including animal science, plant science, sustainable agriculture, forestry, soils, geology, geography and an internship are included in this certificate. While the Certificate in Wildlife Management may be completed as a stand alone certificate program, courses in this certificate may also be used to complete the AS in Agriculture or ASS in General Agriculture. Courses included in this certificate may also be applied toward bachelor degrees at some four-year institutions.

Wildlife Management Certification Requirements	Credit Hours
AGR 103 Plant Science or AGR 115 Sustainable Agriculture & the Environment	3
AGR 143 Introductory Forestry	3
AGR 215 Soils	3
AGR 240 Wildlife Techniques	3
AGR 242 Wildlife Damage Management	3
AGR 299 Agricultural Internship	3
GLG 110 Principles of Geology	3
GRY 100 World Regional Geography	3
Total Credit Hours	24

Degrees and Certificates Offered

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

Associate Degrees and Certificates

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

[Allied Health](#) (AAS)

[Business](#) (AAS, AS, Cert) *Options: Accounting, Computer Information, Management, Technology Management*

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

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

[Enology](#) (AAS, Cert)

[Entrepreneurship](#) (AAS, Cert) *Options: Agricultural Business, Culinary Arts, General Business*

[General Studies](#) (AA, Cert) *Options: Ozarks Studies, Darr Honors Programs*

[Health Information Technology](#) (AAS, Cert) *Options: Medical Coding*

[Law Enforcement](#) (AAS, Cert)

[Nursing](#) (AS)

[Pre-Engineering](#) (AS)

[Respiratory Care](#) (AAS)**

[Teaching](#) (AA)

[Technology](#) (AAS, Cert) *Options: Alternative Energy, General Technology, Manufacturing* Technology*

Management

[Viticulture](#) (AAS, Cert)

[Wine Business and Entrepreneurship](#) (AAS, Cert)

***Provisional Accreditation*

Missouri State University-Springfield Bachelor's, Master's and Specialist's Programs

Bachelor's Degrees

Child and Family Development (BS)

Elementary Education (BSEd)

General Agriculture (BAS)

General Business (BS)

Nursing (BSN-Online)

Technology Management (BAS)

Master's Degrees

Business Administration (MBA)

Counseling (MS) *Options: Elementary School; Secondary School*

Educational Administration (MSEd)

Teaching (MAT)

Specialist Programs

Educational Administration (EdS)

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
- MSEd – Master of Science in Education
- EdS – Specialist in Education, Educational Administration

Catalog Resources

- [General Campus Information](#)
- [Academic Policies and Campus Requirements](#)
- [Degrees and Certificates Offered](#)
- [Course Offerings](#)
- [Faculty and Administrative Staff](#)

Additional Resources

- [Class Schedule](#)
- [Catalog Archive](#)
- [Springfield Undergraduate Catalog](#)
- [Springfield Graduate Catalog](#)

Entrepreneurship

Degrees

Entrepreneurship (AAS)

Certificates

Agricultural Business (Cert)

Applied Entrepreneurship (Cert)

Public Outreach and Education (Cert)

Small Business Management (Cert)

Health Information Technology

Degrees

Health Information Technology (AAS)

Certificates

Medical Coding (Cert)

Technology

Degrees

Technology (AAS)

Certificates

Alternative Energy (Cert)

Manufacturing Technology (Cert)

Technology Management (Cert)

Wine Business and Entrepreneurship

Degrees

Wine Business and Entrepreneurship
(AAS)

Certificates

Wine Business and Entrepreneurship
(Cert)

Agriculture

Degrees

General Agriculture (AAS)

Agriculture (AS)

Certificates

Agricultural Business (Cert)

Animal Science (Cert)

Equine Studies (Cert)

General Agriculture (Cert)

Natural Resources (Cert)

Plant Science (Cert)

Wildlife Management (Cert)

Allied Health

Degrees

Allied Health (AAS)

Certificates

Certified Nursing Assistant (Cert)

Business

Degrees

Business (AAS)

Business (AS)

Certificates

Basic Bookkeeping (Cert)

Basic Business Studies (Cert)

Basic Office Management (Cert)

Technology Management (Cert)

Child and Family Development

Child and Family Development (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
CIS 101 Computers for Learning	3
COM 115 Fundamentals of Public Speaking	3
ENG 110 Writing I	3
<ul style="list-style-type: none"> MTH 103 Intermediate Algebra or above (except MTH 197 or MTH 297) 	3
PLS 101 American Democracy and Citizenship	3
PSY 121 Introduction to Psychology	3
IDS 110 Student Success	2
General Education Core	20
Child and Family Development Core Requirements	Credit Hours
CFD 130 Essentials of 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 204 Management of Early Childhood Programs	3

CFD 234 Assessment Strategies and Techniques in Early Childhood	3
CFD 244 Working with Young Children with Special Needs	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 (capstone course)	5
Child and Family Development Core	43
Degree Requirements	Credit Hours
Total Hours	63

The Family Care Safety Registry, administered by the Missouri Department of Health and Senior Services, provides families and other employers with a method to obtain background screening information. The Registry, through various state agencies, offers several resources to screen child-care, long-term care, and mental health workers:

- State criminal history and sex offender registry records maintained by the Missouri State Highway Patrol
- Child abuse/neglect records maintained by the Missouri Department of Social Services
- The Employee Disqualification List maintained by the Missouri Department of Health and Senior Services
- The Employee Disqualification Registry maintained by the Missouri Department of Mental Health
- Child-care facility licensing records maintained by the Missouri Department of Health and Senior Services
- Foster parent records maintained by the Missouri Department of Social Services

The University, in conjunction with the partnering laboratory site, will submit all paperwork on behalf of all students declaring the Associate of Applied Science in Child and Family Development degree and/or those enrolled in CFD 160 Principles of Development in Child and Family Development, CFD 255 Principles of Development in Infancy, CFD 260 Supervised Experience in the Child Development Laboratories, and CFD 297 Internship in Planning and Implementing Curriculum for Child Development Centers to the Family Care Safety Registration for background screening. This program requires registration in the Family Care Safety Registry. Findings that prevent a student from participating in a licensed and accredited childcare center will disqualify the student from completion of this program of study.

Computer Graphics and Programming

Computer Graphics and Programming (AAS)

Associate of Applied Science

General Education Core 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
IDS 110 Student Success	2
MTH 103 Intermediate Algebra or higher (except MTH 197 or MTH 297)	3
PLS 101 American Democracy and Citizenship	3
General Education Core Total	20
Computer Graphics and Programming Core Credit Hours	Credit Hours
CGP 145 Introduction to Computer Programming	3
CGP 150 Introduction To Digital Graphics	3
CGP 155 Flash Animation	3
<ul style="list-style-type: none"> • CGP 200 Mobile Game Development or • CGP 240 Mobile Application Development 	3
CGP 297 Computer Graphics and Programming (Capstone)	3
Computer Graphics and Programming Total	15

Game Development Option

Game Development Requirements	Credit Hours
CGP 110 Game Development I	3
CGP 115 Game Art Drawing I	3
CGP 160 Introduction to 3D Modeling and Animation	3
CGP 220 Game Development II	3
CGP 250 3D Character Modeling and Animation	3
CGP 251 Application Development I	3
CGP 255 Graphics Programming I	3
CGP 260 Advanced 3D Modeling and Animation	3
CGP 265 Graphics Programming II	3
CGP 120 Web Development I	3
Game Development Option Total	30
Degree Requirements	Credit Hours
Total Hours	65

Enology

Degrees

Enology (AAS)

Certificates

Enology (Cert)

General Studies

Degrees

General Studies (AA)

Honors Program

Certificates

Ozarks Studies (Cert)

Law Enforcement

Degrees

Law Enforcement (AAS)

Certificates

Law Enforcement (Cert)

Associate of Science in Nursing

Nursing (AS)

Associate of Science

Program consists of two academic years and two summer sessions. Students who successfully complete the program are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Admission to the program is by application and committee selection. Qualified licensed practical nurses (LPNs) may receive 15 hours of nursing credit for NUR 100 and NUR 101. Six hours non-nursing credit may be awarded for CFD 155 and ALH 110 to qualified LPNs. (See Entrance Requirements for LPN-to-RN Program). The 720 credit-hour program course progression is distributed as follows:

Associate of Science in Nursing Curriculum

Year 1 Schedule

Year 1: Summer	Credit Hours
ENG 110 writing I	3
CHM 116/117 Fundamentals of Chemistry or CHM 160 General Chemistry I	4-5
Year 1: Fall	Credit Hours
IDS 110 Student Success	2
BMS 267 Human Anatomy	4
BMS 268 Human Physiology	4
NUR 100** Fundamentals of Nursing	7
Year 1: Spring	Credit

	Hours
BIO 210 Elements of Microbiology	3
PSY 121 Introduction Psychology	3
NUR 101** Nursing Systems for the Adult Client I	8

Year 2 Schedule

Year 2: Summer	Credit Hours
NUR 201 Nursing Systems for Promotion of Mental Health	3

Year 2: Fall	Credit Hours
NUR 202 Pharmacology	3
NUR 204 Nursing Systems for the Adult Client II	9

Year 2: Spring	Credit Hours
NUR 212 Nursing Systems for the Family	9
NUR 220 Current trends and Issues in Nursing (capstone course)	3
PLS 101 American Democracy and Citizenship	3

** Credit for qualified LPNs admitted to the program for a total of 15 nursing credit hours.

*** Credit for CFD 155 and CFD 130 awarded to qualified LPNs.

The qualified LPN may begin classes in June if IDS 110, CHM 116 / 117, CHM 160, BMS 267 Anatomy and BMS 268 Physiology have been completed. The following class sequence for progression through the LPN-to-RN program will allow completion of the program in one summer and one academic year (fall and spring) following admission. The 72-hour LPN-to-RN program curriculum is as follows:

LPN-to-RN Program Curriculum

Year 2: Summer	Credit Hours
NUR 190 Nursing Systems for the Adult Client: LPN-to-RN	3
NUR 201 Nursing Systems for the Promotion of Mental Health	3
Year 2: Fall	Credit Hours
NUR 202 Pharmacology	3
NUR 204 Nursing Systems for the Adult Client II	9
ENG 110 Writing I	3
PLS 101 American Democracy and Citizenship	3
Year 2: Spring	Credit Hours
NUR 212 Nursing Systems for the Family	9
NUR 220 Current Trends and Issues in Nursing (capstone course)	3
BIO 210 Elements of Microbiology	3
PSY 121 Introductory Phsycology	3

Essential Abilities

The following functional abilities or attributes are essential in order to meet the objectives for the ASN program at Missouri State University-West Plains. With reasonable accommodation, the student must possess:

1. Fine motor skills sufficient to perform skills such as picking up, grasping, and manipulating small objects with hands, and writing with a pen or pencil.
2. Physical mobility and strength sufficient to move about on a nursing unit and participate in client care.
3. Physical stamina sufficient to perform client care for entire length of clinical experience (608

hours).

4. Auditory ability sufficient for assessment of client health.
5. Visual acuity sufficient to see objects up to 20 inches away and distinguish color.
6. Reading ability sufficient to understand the written word at a minimum of a tenth-grade level.
7. Arithmetic competence that would allow the student to read and understand columns of writing, to tell time, to use measuring tools, and to add, subtract, multiply, and divide.
8. Emotional stability sufficient to assume responsibility/accountability for actions, to provide client with emotional support, to adapt to environmental stress, and to monitor own emotions.
9. Analytical thinking sufficient to transfer knowledge from one situation to another, to problem solve, to prioritize tasks, and to use long-term and short-term memory.
10. Critical thinking ability sufficient to exercise sound nursing judgment through the sequencing of information and the identification of cause and effect relationships.
11. Interpersonal skills sufficient to establish rapport with clients and co-workers, and to respect the rights of others and the differences in clients.
12. Communication skills sufficient to teach others, to explain procedures, to interact with others, and to convey information in writing.

This list of behavioral examples is not considered complete. Cases must be reviewed individually. Please contact the Department of Nursing for further information.

Adapted from: Yocom, C.J. (1996). Validation study: Functional abilities essential for nursing practice. Published by the National Council of State Boards of Nursing.

Entrance Requirements for Regular Track Students (LPNs see Entrance Requirements for LPNs)

The following listed application information must be on file in the nursing office no later than February 1 annually. The student will receive written notification of admission status – accepted, alternate or not accepted – by the first week in April. All testing can be arranged through the Advisement and Academic Coaching Center for Empowering Student Success (AACCESS) (417) 255-7222 in the Garnett Library.

1. Admission to Missouri State University-West Plains with a non-probationary status.
2. A completed application to the Nursing Program.

3. A final official high school transcript or HiSET certificate if required for admission to the University. (High school transcript or HiSET certificate is required for students being admitted with less than 24 credit hours of college level course work.) A partial transcript will be accepted if the applicant is presently enrolled in high school. Upon graduation, a final transcript must be received by the nursing department, if admitted.
4. Official transcripts from all previously attended colleges or universities and nursing programs. Transcripts from other nursing programs should be sent directly to the nursing department.
5. An ACT score less than five years old.
6. A score of 18 or better on the reading portion of ACT or a C grade or better in RDG 125.
7. Achievement of a minimum Ranking Score of 60 (See Ranking Score Computation).
8. Students accepted into the nursing program must have MTH 130 (or higher) eligibility established prior to beginning nursing courses. Students will be eligible for MTH 130 by:
 - a. Placement into 130 or higher on placement exam (ACT or compass) and taking previous math classes, or
 - b. Previously completing MTH 103 with a passing grade.
9. English 110 eligibility as determined by:
 - a. ACT score and a writing sample; or
 - b. completed college course work.

Note: Students accepted into the program must have ENG 110 completed prior to beginning nursing courses.

Admission Eligibility

The ASN Admissions Committee establishes admission eligibility using the Equal Employment Opportunity and Affirmative Action statements found in the University Policies section of the catalog. To be considered for admission, the applicant must achieve a minimum ranking score of 60 (See Ranking Score Computation). All applicants will be considered competitively on an annual basis.

1. Ranking Score Computation

- a. To be considered for admission an applicant must achieve a minimum score of 60 using the following formula: GPA (Grade Point Average) multiplied by ACT (American College Test composite score) equals Ranking Score. The four point scale in which an A=4 and

F=0 will be used to compute the GPA. The cumulative grade point must equal a minimum of 2.0 (a C letter grade).

- b. College GPA will be used to compute the Ranking Score for candidates having 12 or more college credit hours. Applicants may submit a request in writing to the nursing department office for the ASN Admissions Committee to consider using only 12 or more recent hours of college credit to calculate the GPA.
 - c. High School GPA will be used to compute the Ranking Score for candidates having less than 12 college credit hours. Scores from the GED will be converted to a four-point scale by dividing the GED by 90. For students taking the High School Equivalency Test (HiSET), a cumulative GPA will be calculated based on the Educational Testing Services crosswalk between HiSET and GED scores.
2. Students seeking admission who have completed support courses within the nursing curriculum will have a competitive edge.
- a. Applicants will have 2 points added to their ranking score for having successfully completed BMS 267 Human Anatomy or BMS 268 Human Physiology. Applicants who have successfully completed any of the following support courses will have 1 point added per course to their ranking score: ENG 110, CHM 116 / 117, or CHM 160, PSY 121, BIO 210, IDS 150, and PLS 101. The applicant must first achieve the minimum ranking score of 60 before any points are added for completed support courses. The maximum number of points an applicant may have added to their ranking score is 10.
 - b. Support courses within the nursing curriculum may be repeated only one time. Nursing students who fail any two nursing courses (including failing one course twice) are ineligible for readmission.
 - c. If selected, admission is contingent upon meeting the grade criteria of C or better for past and current enrollment in nursing curriculum support classes.
3. 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.
4. The committee may waive the required ACT score for students who have completed a previous bachelor's degree with a grade point average of 3.0 or better from a regionally accredited U.S. college or university. The applicant will be ranked immediately below the highest ranked student with an equivalent grade point average (GPA).
5. RSMo 660.317 prohibits a hospital, or provider, from knowingly allowing those who have been convicted of, pled guilty to, or nolo contendere in this state or any other state or who have been found guilty of a crime, which if committed in Missouri would be a Class A or B felony violation, to give care to clients in their agency. As defined by state law, these are violations of Chapter

RSMo 565 (domestic violence/violence against a person), RSMo 566 (sex offenses) or RSMo 569 (robbery, arson, burglary or related offenses), or any violation of subsection 3 of section 198.070 RSMo (abuse and neglect), or section 568.020 RSMo (incest). RSMo 660.315 requires an inquiry whether a person is listed on Missouri Department of Health and Senior Services disqualification list. In addition to these records, an online search will be conducted to determine if a student is on other government sanction lists. These online searches include office of Inspector General (OIG) and the General Services Administration (GSA). As a requirement of the Missouri State University-West Plains Associate of Science in Nursing (ASN) Program application process in response to RSMo 660.317b and 660.315, 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.

6. Offers of acceptance to the Associate of Science in Nursing Program are made as conditional offers. The conditions include satisfactory completion of pre-nursing 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 for 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.

Entrance Requirements for the LPN-to-RN Track

The following listed application information must be on file in the nursing office no later than February 1 annually. The student will receive written notification of admission status – accepted, alternate, or not accepted, by the first week in April. All testing can be arranged through the Student Advisement and Academic Support Center (417) 255-7222 in the Garnett Library.

Candidates must meet the following requirements:

1. Admission to Missouri State University-West Plains with a non-probationary status.
2. Completed application to the LPN-to-RN track of the nursing program.
3. A final official high school transcript or HiSET certificate if required for admission to the University (High school transcript or HiSET certificate is required for students being admitted with less than 24 credit hours of college level course work.) and official transcripts from all previously attended colleges and universities, including LPN school, must be on file in the nursing office.
4. An ACT score less than 5 years old.
5. A score of 18 or better on the reading portion of ACT, or a C grade or better in IDS 150.

6. Achievement of a minimum ranking score of 60. (See Ranking Score Computation).
7. Mathematics 103 (Intermediate Algebra) eligibility determined by:
 - a. ACT score and previous math classes taken, or
 - b. completed college coursework.
 - c. Students accepted into the program must have MTH 130 eligibility established prior to beginning nursing courses.
8. ENG 110 eligibility as determined by:
 - a. ACT score and a writing sample; or
 - b. completed college course work.
9. A C grade or better in CHM 116 /117, BMS 267 and BMS 268 or current enrollment.
10. Proof of active, non-disciplined LPN licensure.

Advanced Credit in the ASN Program for Successful LPN Candidates

Licensed Practical Nurses (LPNs) who are accepted into the LPN-to-RN program may receive credit for NUR 100, NUR 101, CFD 155, and CFD 130. Upon meeting all the prerequisites for those courses and successfully completing NUR 190, the credit will be awarded. However, the credit will not appear on the transcript until the student has completed three weeks of the fall semester following NUR 190.

Student Progression

In order to progress in the nursing program:

1. A grade of C or better is required in all nursing courses to receive credit toward graduation. All clinical components not receiving a grade must be evaluated as passing/met.
2. The student must meet all nursing course prerequisites to progress in the nursing program.
3. A grade of C or better is required in all support courses within the program interdisciplinary studies, chemistry, anatomy, physiology, microbiology, psychology, political science, English, and nutrition. Support courses may be repeated only one time.
4. The nursing courses may not be taken on a Pass/Not Pass basis.
5. CLEP credit is available for some support courses (see catalog).

Readmission

Students who interrupt their education for a semester or more must follow University readmission policies. In addition, students seeking readmission to the nursing program will be considered as new applicants. In addition, students seeking readmission to the nursing program will be considered new applicants. The decision of readmission will be made by the ASN Admission Committee based upon eligibility for readmission (achieve a minimum ranking score of 60. See Ranking Score Computation), available space, and a passing score of 78% or better on a basic skills clinical exam and a content based re-admission exam. Both exams will be reflective of the level of the nursing courses successfully completed (NUR 100, NUR 101 or NUR 204 for the Regular Track program; NUR 190 or 204 for the Licensed Practical Nurse-to-Registered Nurse Track Program). Nursing students who fail any two nursing courses (including failing one course twice) are ineligible for readmission. Students who withdraw past the no drop date (see academic calendar) may repeat the course one-time only if readmitted. Support courses within the nursing curriculum may be repeated only one time if applying for readmission. A student who is readmitted to the nursing program will be required to repeat the criminal background checks and drug testing if the student has been out of the program for 12 months.

Transfer Students

Students desiring to transfer into the Associate of Science in Nursing 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. Official transcripts and course descriptions will be reviewed after which a decision regarding admission to the ASN program will be made. Students may enroll in required nursing courses only after admission to the ASN program. 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. Transfer students will be responsible for meeting objectives of prerequisites to the nursing courses in which they desire to enroll. Credit and course equivalent recommendations related to courses within the nursing program shall be forwarded to the admissions office upon approval by the ASN Admissions Committee. Enrollment is based on space available in class.

Procedure

1. Apply to University for general admission (non-probationary).
2. Apply to the Missouri State University-West Plains ASN Program.
3. Submit catalog course descriptions of transfer courses to Nursing Department.
4. Submit current official transcript(s) from previous nursing program.

5. Students must be eligible for readmission to the nursing program from which they are transferring and will be asked to sign a waiver of inquiry to be sent to the former school.
6. Receive a response from the ASN Admissions Committee regarding application to the program.
7. Recommendation for course/credit equivalencies will be forwarded to the admissions office upon approval of the ASN Admissions Committee.

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, <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, <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 (10 15) 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>.

Respiratory Care

Degrees

[Respiratory Care \(AAS\)](#)

Information

[Respiratory Care Admission Eligibility](#)

[Respiratory Care Essential Abilities](#)

[Respiratory Care Accreditation](#)

[Respiratory Care Program Goals](#)

Associate of Arts in Teaching

Teaching (AA)

Associate of Arts

General Education Core Requirements	Credit Hours
-------------------------------------	--------------

State wide general education core	42
-----------------------------------	----

General education credits should be carefully selected with the help of an advisor whenever possible to meet degree requirements and prerequisites, to prepare for the Missouri General Education Assessment (MoEGA) and to address level and area of teacher preparation.

Teacher Education Core Requirements	Credit Hours
-------------------------------------	--------------

(Courses are currently being developed. Contact an advisor for more information.)

EDU 250 Foundations of Education	3
----------------------------------	---

PSY 260 Educational Psychology	3
--------------------------------	---

IMT 265 Technology for Teachers	3
---------------------------------	---

EDU 202 Teaching Profession with Field Experience	3
---	---

Teacher Educate Core Total	12
-----------------------------------	-----------

Institutional Requirements:	Credit Hours
-----------------------------	--------------

CIS 101 Computers for Learning	3
--------------------------------	---

IDS 297 Topics in Globalization (capstone course)	3
---	---

Institutional Total	6
----------------------------	----------

Additional Requirements**Credit
Hours**

Additional electives needed (EDU 150)

2

Electives may be selected from education electives, content areas or any other courses. Electives should be carefully selected with the help of an advisor to meet degree requirements, prerequisites, preparation for the CBASE and planned level and area of teacher preparation.

Other Requirements:

students must achieve the minimum MoEGA score required by Missouri State University

Degree Requirements**Credit
Hours****Total Hours****62**

Four-year transfer institutions may have additional requirements, including higher GPA or CBASE 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.

Viticulture

Degrees

Viticulture (AAS)

Certificates

Viticulture (Cert)

General Campus Information

Sections

- [Mission and Goals](#)
- [History of the Campus](#)
- [Governance](#)
- [University Profile](#)
- [Institutional Accreditation/Memberships](#)
- [Selected University Policies](#)
- [Tuition, Costs and Fees](#)
- [Academic Calendar](#)
- [Description of Course Listings](#)
- [Faculty and Administrative Staff](#)
- [Glossary of Terms](#)

Other University Websites

- [Admissions](#)
- [Calendar of Events](#)
- [Campus Map](#)
- [Class Schedule](#)
- [Financial Aid](#)
- [Housing](#)
- [Missouri State Outreach Bachelor's and Master's Programs](#)
- [Springfield's Undergraduate Catalog](#)
- [Springfield's Graduate Catalog](#)
- [Student Services](#)

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 in General Studies Degree: This degree is equivalent to the first two years of study at a four-year college/university and is transferable. The degree provides a general education core of courses to introduce students to a wide variety of knowledge, ensuring they have a breadth of educational experiences that will enable them to develop those traits and skills conducive to student success and lifelong learning. Refer to the specific degree program page for information.

Associate of Arts in Teaching Degree: Provides a common transfer curriculum for students seeking a Bachelor of Science degree in Elementary Education as they transfer to one of several Missouri four-year institutions. 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.

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-quality 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 or in the registration and records office
- Take a CAAP test in the Capstone course
- Pay a graduation fee of \$55.00 to the business office. (A portion of the graduation fee covers expenses of the CAAP test; an additional fee will be charged for each subsequent repeat of the CAAP test), and
- If desired, arrange for caps, gowns, tassels, announcements, rings, etc., 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 completing the last six or fewer remaining degree requirements during the summer semester may apply to walk during the spring commencement ceremony. Students who wish to participate in the ceremony must apply through 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 one calendar year or more 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. Non-degree 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. 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. Constitution Study:** No student may graduate without complying with the state law known as Senate Bill No. 4, 1947 (Mo. Rev. St. Sec. 170.011) which states students must be "given regular courses of instruction in the Constitution of the United States and of the State of Missouri, in American history including the study of American institutions." Students may meet this requirement by completing the American Studies requirements under General Education. Transfer students who have had a course in American government (PLS 101) that did not include a study of the Missouri Constitution must enroll in a reading course in political science (PLS 103).

6. **Capstone Course and the Student Learning Portfolio:** Effective fall 2005, all students must complete the appropriate capstone course for their degree program, take the Collegiate Assessment of Academic Proficiency (CAAP), and submit a portfolio of work for campus assessment as a condition for graduation. Although students will not earn points for completing the CAAP or the portfolio, participation in them is required. Failure to complete any of them will result in an automatic grade of "F" in this course. If extenuating circumstances exist, students may apply for an incomplete. See the section on Incomplete Grades elsewhere in this catalog for more information.

Portfolio Requirements:

A portfolio is an accumulation of significant work from your college career.

- Effective fall 2005, all first-time degree seeking students are required to compile a portfolio to complete their degree programs;
- The portfolio will be introduced to students in IDS 110 or another course;
- Students should work with their faculty advisors within their degree programs to ensure they prepare the appropriate materials;
- The portfolio is a continuous project to be worked on throughout a student's educational experiences at Missouri State University-West Plains;
- The portfolio will be submitted in the capstone course. Portfolio guidelines for the various degree programs can be found in the IDS 110 text or obtained from the student's academic advisor.

Capstone Requirements:

The capstone course allows students to complete their general education with a course that brings their Missouri State University-West Plains educational experiences together.

- In this course, students will submit their program portfolio and draw upon a broad cross-section of their coursework to examine global issues.
- The capstone course also provides a place for students to participate in University assessment activities.
- The capstone course requirements can be met by taking one of several courses, but the Associate of Arts degree and some other degree programs require IDS 297 Topics in Globalization.
- Some AAS degrees, the AS in Nursing degree and the Darr Honors Program, have a different

capstone requirement.

- Students should work with their faculty advisors and should consult degree descriptions in their academic catalog to determine which course and, in the event of multiple topics offered within a course, which topic is most appropriate for their academic and career goals.

Students must complete the CAAP test and the portfolio in order to complete the capstone course.

Students who fail to complete a capstone course will not be eligible for graduation until they have done so.

7. **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.

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.
4. Must comply with the state law known as Senate Bill No. 4, 1947 (Mo. Rev. St. Sec. 170.011). Transfer students who have had a course in American government (PLS 101) that did not include a study of the Missouri Constitution must enroll in a reading course in political science (PLS 103).
5. Must pay \$20 second-degree graduation fee.

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.

Course Offerings

Course codes and disciplines

A

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

B

- [BIO](#) – Biology
- [BMS](#) – Biomedical Science
- [BUS](#) – Business

C

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

- [CSC](#) – Computer Science
- [CTC](#) – Computer Technology Core
- [CRM](#) – Criminal Justice
- [CFS](#) – Consumer & Family Studies

D

- [DES](#) – Design
- [DMS](#) – Diagnostic Medical Sonography

E

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

F

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

G

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

H

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

I

- [IMT](#) – Instructional Media Technology
- [INS](#) – Insurance
- [IDS](#) – Interdisciplinary Studies

J

- [JRN](#) – Journalism

K

- [KIN](#) – Kinesiology

L

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

M

- [MGT](#) – Management
- [MKT](#) – Marketing
- [MTH](#) – Mathematics

- [MED](#) – Media
- [MIL](#) – Military Science
- [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
- [RIL](#) – Real Estate, Insurance & Law
- [RST](#) – Respiratory Therapy

S

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

T

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

V

- [VIN](#) – Viticulture & Enology

Faculty and Administrative Staff

ACKERSON, AMY A

Instructor of Nursing, Master of Science in Nursing - Missouri State University (2012), Bachelor of Science in Nursing - South Dakota State University (1998), AmyAckerson@MissouriState.edu

ADAMS, LEIGH A

Assistant Professor of English, Master of Arts - Arkansas State University (1991), Bachelor of Arts - University of Missouri-Columbia (1985), LeighAdams@MissouriState.edu

ADAMS, LU

West Plains Staff LuAdams@MissouriState.edu

AGUERO, VALDA M

Per-Course Faculty, Master of Fine Arts - San Francisco Art Institute (1987), Bachelor of Fine Arts - San Francisco Art Institute (1984), VAguero@MissouriState.edu

ALBIN, CRAIG D*(1996)

Professor of English, Doctor of Arts - University of Mississippi (1998), Master of Arts - Missouri State University (1984), Bachelor of Arts - Oral Roberts University (1983), CraigAlbin@MissouriState.edu

ALBIN, KELLI J

Per-Course Faculty, Master of Education - Missouri State University (1997), Bachelor of Arts - Oral Roberts University (1987), KAlbin@MissouriState.edu

ALLEN, DALENA K

Per-Course Faculty, Master of Education - Missouri State University (2009), Bachelor of Science in Education - Missouri State University (1988), Dalena8128@MissouriState.edu

ALLSMAN, VIRGINIA M

Per-Course Faculty, Bachelor of Science - Drury University, VirginiaAllsman@MissouriState.edu

ANDERSON, ELLIOTT E

Per-Course Faculty, Master of Divinity - Luther Theological Seminary (1982), Bachelor of Arts - University of Minnesota-Twin Cities (1977), EAnderson@MissouriState.edu

AUSTIN, KATHRYN A

Per-Course Faculty, Specialist in Education - Missouri State University (1994), KAustin@MissouriState.edu

BASOM, MARK RICHARD

Per-Course Faculty, Master of Science - Missouri State University (2007), MarkBasom@MissouriState.edu

BIRDYSHAW, EDWARD L

Associate Professor of Economics, Doctor of Philosophy - University of Oregon (2004), EBirdyshaw@MissouriState.edu

BISHOP, BEVERLY A

Per-Course Faculty, Master of Education - Missouri State University (1996), Bachelor of Arts - College of The Ozarks (1973), BeverlyBishop@MissouriState.edu

BOYS, CATHY PROFFITT*(2008)

Assistant Professor of Agriculture/Entrepreneurship, Master of Science - Missouri State University (2001), Master of Business Administration - Missouri State University (2000), Bachelor of Science - Mo University of Science & Technology (1987), CathyBoys@MissouriState.edu

BRANNAN, SHERRYL SUE

Per-Course Faculty, Master of Science - Southwest Baptist University (1992), Bachelor of Science - Missouri State University (1961), SherrylBrannan@MissouriState.edu

BRANTON, MICHELLE

West Plains Staff MichelleBranton@MissouriState.edu

BRIDGES, CINDY J

West Plains Staff, Bachelor of Science - Missouri State University (2002), CindyBridges@MissouriState.edu

BROYLES, THORA JANE

Academic Affiliate, Bachelor of Arts - University of Alaska Fairbanks (1977), TBroyles@MissouriState.edu

CARR, JUDY L*(2015)

Associate Professor of Psychology/Sociology, Master of Arts - Arkansas State University (1984), Bachelor of Science - Southwest Baptist University (1982), JudyCarr@MissouriState.edu

CATON, BARBARA A*(2007)

Assistant Professor of Nursing, Master of Science in Nursing - Missouri State University (1999), Bachelor of Science in Nursing - University of Missouri-Columbia (1986), BarbaraCaton@MissouriState.edu

COCKRUM, CLEO FAWN

Per-Course Faculty, Master of Education - Missouri State University (1987), FCockrum@MissouriState.edu

COLVIN, KRYSTAL S

Per-Course Faculty, Master of Science in Nursing - Missouri State University (2008), Bachelor of Science in Nursing - Missouri State University (2006), Colvin11@MissouriState.edu

COMBS, CHRISTINE L

Per-Course Faculty, Educational Doctorate - University of Missouri-Columbia, Specialist in Education - Missouri State University (1999), Master of Science - Missouri State University (1982), Bachelor of Science - Missouri State University (1978), Christinecombs@MissouriState.edu

COOKE, RUTH D

Per-Course Faculty, Master of Divinity - Union Theology Seminary (1984), DCooke@MissouriState.edu

DEBEERS, AARON M

Per-Course Faculty, Master of Fine Arts - University of California-Berkeley (2000), Bachelor of Fine

Arts - Sonoma State University (1998), ADeBeers@MissouriState.edu

DENTON, MELINDA L

Assistant Professor of Mathematics, Master of Science - Pittsburg State University (1990),
MLDenton@MissouriState.edu

DeWITT, JOYCE C

Assistant Professor of Nursing, Master of Science in Nursing - University of Central Arkansas (1990),
Bachelor of Science in Nursing - University of Central Arkansas (1983),
JoyceDewitt@MissouriState.edu

DUBOIS, TAMARA J

Per-Course Faculty, Educational Doctorate - University of Missouri-Columbia (2012), Master of
Science - Missouri State University (2003), Bachelor of Science in Education - Missouri State
University (1997), TamaraDubois@MissouriState.edu

DUNN, JERRY D

Per-Course Faculty, Master of Science - Missouri State University (1978),
JerryDunn@MissouriState.edu

DYKES, BARBARA JEAN

Per-Course Faculty, Bachelor of Arts - University of Colorado-Boulder (1983),
BobbiDykes@MissouriState.edu

EMSLIE-DRUMMOND, DENNIS M

Per-Course Faculty, Master of Science - University of California-Davis (1987), Bachelor of Science -
University of Il-Urbana Champaign (1977), DDrummond@MissouriState.edu

ENGLAND, PAULA

Per-Course Faculty, Master of Education - Missouri State University (1999),
PaulaEngland@MissouriState.edu

ESTRELLA, ANA I

Instructor of Biology/Biomedical Sciences, Master of Science - Uni of Puerto Rico at Mayaguez
(2013), AnaEstrellaRiollano@MissouriState.edu

FERREE, NATHAN W

Per-Course Faculty, Master of Fine Arts - Bowling Green State University (2004), Bachelor of Fine
Arts - Truman State University (2000), NWFerree@MissouriState.edu

FISHER, KATHRYN P

Per-Course Instructor, Jurist Doctorate - Vanderbilt University (1980), Bachelor of Arts - University of
Arkansas (1977), KathrynFisher@MissouriState.edu

FUGITT, STEPHEN M

Per-Course Faculty, Master of Arts - Missouri State University (2010), Doctor of Theology - University
of South Africa (2004), Master of Theology - University of South Africa (2001), Bachelor of Arts -
College of The Ozarks, MarkFugitt@MissouriState.edu

GALL, ELIZABETH E

Instructor of Nursing, Master of Science in Nursing - Missouri State University (2012), Bachelor of
Science in Nursing - Cox College (2007), Master of Education - Missouri Baptist Coll-St Louis (2004),

Bachelor of Business Admin - Sterling College (1997), EGall@MissouriState.edu

GIANNINI, JOHN C

Per-Course Faculty, Master of Science - California State University-Fresno (2010), Bachelor of Science - Virginia State University (1994), JohnGiannini@MissouriState.edu

GRAHAM, ALEXANDRA ELIZABETH

Writing Specialist / Per-Course Faculty, Master of Liberal Studies - University of Denver (2008), Certificate Program - University of Denver (2008), Certificate Program - Metropolitan St Coll of Denver (2002), Master of Social Sciences - University of Colorado-Denver (2001), Bachelor of Arts - University of Colorado-Denver (1997), Associate of Science - Community College of Aurora (1995), AlexandraGraham@MissouriState.edu

GREEN, AIMEE D

Director of Clinical Education for Respiratory Care/Lecturer, Master of Arts - University of Phoenix (2006), Bachelor of Arts - Ottawa University (2003), AimeeGreen@MissouriState.edu

HADLEY, MARK B

Per-Course Faculty MBHadley@MissouriState.edu

HALL, LESA G

Per-Course Faculty, Master of Education - Southwest Baptist University, Bachelor of Science in Education - Missouri State University (2004), LesahHall@MissouriState.edu

HALL, WILLIAM D

Per-Course Faculty, Master of Music Education - Arkansas State University (1984), WDHall@MissouriState.edu

HAMILTON, PHILLIP C

Per-Course Faculty, Doctor of Philosophy - Iowa State University (1986), Master of Science - Oklahoma State University (1978), PhillipHamilton@MissouriState.edu

HANCOCK, KENNETH W

Per-Course Faculty, Master of Education - Southwest Baptist University (1997), Bachelor of Arts - Cameron University (1989), KennethHancock@MissouriState.edu

HARPER-McAFEE, SHERRY L

Per-Course Faculty, Master of Business Administration - William Woods University, Masters in Education - Dallas Baptist University, Bachelor of Arts - Central Bible College, Bachelor of Science - Southwest Baptist University, SherryMcAfee@MissouriState.edu

HART, JAMES J

Assistant Professor of CIS/CGP, Master of Science - Missouri State University (2010), Bachelor of Science - Columbia College (1995), Associate of Arts - Del Mar College (1987), jhart@MissouriState.edu

HASS, WILLIAM T

Per-Course Faculty, Jurist Doctorate - University of Arkansas (1993), WTHass@MissouriState.edu

HAYES, MICHAEL

Per-Course Faculty, Bachelor of Arts - University of Kansas, MichaelHayes@MissouriState.edu

HENSLEY, RONALD E

Per-Course Faculty/Superintendent of Physical Plant, Master of Science - Missouri State University (2014), Bachelors of Applied Science - Missouri State University (2011),

RonHensley@MissouriState.edu

HIGGINS, MINA K

Instructor of Nursing, Master of Science in Nursing - Missouri State University (2000),

MinaHiggins@MissouriState.edu

HILL, LINDSAY D

Instructor of Nursing, Master of Education - William Woods University (2012), Bachelor of Science in Nursing - University of Missouri-Columbia (2009), LHill@MissouriState.edu

HOBBS, DANNY R

Part Time Lecturer, Master of Social Work - University of Missouri-Columbia (1987),

DannyHobbs@MissouriState.edu

HOBBS, LINDA K

Per-Course Faculty, Master of Education - Southwest Baptist University (1996),

LindaHobbs@MissouriState.edu

HOLMAN, REBECCA M

Per-Course Faculty, Master of Social Work - University of Missouri-Columbia (2004), Bachelor of Arts - Drury University (1995), RebeccaHolman@MissouriState.edu

HOWERTON, PHILLIP

Associate Professor of English, Doctor of Philosophy - University of Missouri-Columbia (2011), Masters in Education - Drury University (1999), Bachelor of Science - Drury University (1997),

PhillipHowerton@MissouriState.edu

HOWERTON, VICTORIA F

Per-Course Faculty, Master of Arts - University of Missouri-Columbia, Bachelor of Arts - University of Missouri-Columbia, Bachelors in Journalism - University of Missouri-Columbia,

VictoriaHowerton@MissouriState.edu

HUDDLESTON, CARLA J

Instructor of Nursing, Master of Science in Nursing - Missouri State University (2012), Bachelor of Science in Nursing - Southwest Baptist University (2009), CarlaHuddleston@MissouriState.edu

HUFF, JEFFREY C*(2012)

Assistant Professor, Bachelors of Applied Science - Missouri State University (2002), Associate of Science - State Tech College of MO (1982), JeffHuff@MissouriState.edu

HUFSTEDLER, MELISSA

Per-Course Faculty, Master of Music Education - Arkansas State University (2002), Bachelor of Music Education - Ouachita Baptist University (1992), MelissaHufstedler@MissouriState.edu

HUTCHINGS, BILLIE R

Per-Course Faculty, Master of Social Work - University of Denver (1998),

BillieHutchings@MissouriState.edu

JENNINGS-PINEDA, JOYCE A*(2006)

Assistant Professor of Biomedical Sciences, Master of Education - University of Central Missouri

(1980), Bachelor of Science in Education - University of Central Missouri (1975),
JoycePineda@MissouriState.edu

JOHNSON, JANICE F

Per-Course Faculty, Master of Education - Missouri State University,
JaniceJohnson@MissouriState.edu

JONES, KERRI B

Per-Course Faculty/Academic Advisor in AACCESS, Bachelor of Science - Missouri State University
(2008), KerriJones@MissouriState.edu

KEENEY, STEPHEN A

Per-Course Faculty, Master of Arts - Southeast Missouri State University (1973),
StephenKeeney@MissouriState.edu

KELLER, TED W

Per-Course Faculty, Bachelor of Science - Northern Illinois University (1984),
Tedkeller@MissouriState.edu

KELLUM, MARY E

West Plains Staff, Specialist in Education - Missouri State University (1994), Master of Education -
Missouri State University (1986), Bachelor of Science in Education - Southwest Baptist University
(1982), MaryKellum@MissouriState.edu

KITT, ROBERT LEE

Per-Course Faculty, Master of Fine Arts - Arkansas State University (2000), Bachelor of Arts -
Webster University (1992), RobertKitt@MissouriState.edu

KWON, SEONGCHUN

Assistant Professor of Mathematics, Doctor of Philosophy - Michigan State University (2003), Master
of Science - Ewha Womans University (1992), Bachelor of Science - Ewha Womans University
(1990), SeongchunKwon@MissouriState.edu

LANCASTER, DENNIS L

Dean of Academic Affairs / Asst Prof of Letters, Doctor of Education - Lindenwood University (2015),
Master of Arts - University of Missouri-Columbia (1996), Bachelor of Arts - Drury University (1984),
DennisLancaster@MissouriState.edu

LUNA, BARBARA A

Per-Course Faculty, Masters in Education - Missouri State University (1989),
BLuna@MissouriState.edu

MAHAN, DARRELL F

Per-Course Faculty, Master of Social Work - University of Missouri-Columbia (2000),
DarrellMahan@MissouriState.edu

MAHAN, ELIZABETH W

Per-Course Faculty, Master of Social Work - Missouri State University (2000),
EMahan@MissouriState.edu

MAINPRIZE, HOWARD E

Per-Course Faculty, Doctor of Chiropractic - Cleveland Chiropractic College (1996),

HowardMainprize@MissouriState.edu

MANN, KATHY J

Per-Course Faculty/Academic Specialist-TRIO, Bachelor of Science - Missouri State University (2010), KathyMann@MissouriState.edu

MAUPIN, MARY ELIZABETH

Academic Affiliate, MaryMaupin@MissouriState.edu

MAYERS, DEBRA M

Per-Course Faculty, Master of Science - Missouri State University (1996), DebraMayers@MissouriState.edu

McCOLLOM, JASON

Assistant Professor of History, Doctor of Philosophy - University of Arkansas (2015), Master of Arts - Texas A&M University-Corpus Christi (2006), Bachelor of Arts - Texas A&M University-Corpus Christi (2003), JasonMcCollom@MissouriState.edu

McCULLY, ANGELA D

Per-Course Faculty, Master of Education - Missouri State University (2001), Bachelor of Science in Education - Missouri State University (1996), McCully92@MissouriState.edu

McWILLIAMS, SCOTT

Per-Course Faculty, Master of Science - University of Missouri-Columbia (1973), ScottMcWilliams@MissouriState.edu

MOORE, DIANE

Per-Course Faculty, Master of Mathematics - Missouri State University (2004), DianeMoore@MissouriState.edu

MOORE, RENEE S*(2011)

Professor of Child and Family Development, Educational Doctorate - Nova Southeastern University (2003), Master of Public Administration - Missouri State University (1997), Bachelor of Science - Missouri State University (1994), ReneeMoore@MissouriState.edu

MORGAN, CONNIE J

Assistant Professor of History, Master of Arts - Arkansas State University (1996), Bachelor of Arts - Arkansas State University (1995), ConnieMorgan@MissouriState.edu

MORRISON, KATHLEEN B*(1999)

Professor of Political Science, Master of Arts - University of Southern California (1975), Bachelors in Journalism - University of Missouri-Columbia (1971), KathleenMorrison@MissouriState.edu

MULFORD, HEATHER M

Per-Course Faculty, Master of Arts - Missouri State University (2011), Bachelor of Science - William Woods University (2007), Heather432@live.MissouriState.edu

MURRAY, PAUL F

Per-Course Faculty, Master's of Physical Therapy - University of Southern California (1989), Bachelor of Science - University of Colorado-Boulder (1987), PaulMurray@MissouriState.edu

NIGLIAZZO, MICHELE K

Per-Course Faculty, Jurist Doctorate - Brigham Young University (1995),

MichelaNigliazzo@MissouriState.edu

ORCHARD, PATRICIA D

Per-Course Faculty, Educational Doctorate - University of Missouri-Columbia (2007),

PatriciaOrchard@MissouriState.edu

OSLAKOVIC, JOSEPH

PER-COURSE FACULTY, MASTER OF SCIENCE - FLORIDA INST OF TECHNOLOGY (1991), BACHELOR OF SCIENCE -

FLORIDA INST OF TECHNOLOGY (1989), JOSLAKOVIC@MISSOURISTATE.EDU

PADGETT-JOHNSON, MERILARK

Per-Course Faculty, Doctor of Philosophy - University of California-Davis (1999),

MPadgettJohnson@MissouriState.edu

PARROTT, NEVA J

Assistant Librarian/Assistant Professor of Library Science, Master of Library Science - Emporia State University (1970), Bachelor of Science in Education - Missouri State University (1969),

NevaParrott@MissouriState.edu

PENDERGRASS, R A

Per-Course Faculty, Educational Doctorate - Washington State University (1973),

RAPendergrass@MissouriState.edu

PETERSON, BONNIE R

Per-Course Faculty, Master of Education - Missouri State University (1992), Bachelor of Science in Education - Missouri State University (1986), BonniePeterson@MissouriState.edu

PHILLIPS, GARY L*(2013)

Associate Professor of Communications, Master of Arts - Arkansas State University (1986), Bachelor of Arts - Arkansas State University (1984), GaryPhillips@MissouriState.edu

PINNON, ALEX D

Lecturer/Dir of the William and Virginia Darr Honors Program, Master of Arts - Missouri State University (2013), Bachelor of Arts - Missouri State University (2011), APinnon@MissouriState.edu

POULETTE, JACOB C

Instructor of CGP, Bachelor of Science - Abilene Christian University (2010),

JacobPoulette@MissouriState.edu

PRIEST, FRANK A

Professor of English, Master of Fine Arts - Washington University In St Louis (1996), Bachelor of Arts - Missouri State University (1994), FrankPriest@MissouriState.edu

PRIEST, SHELIA

Per-Course Faculty, Master of Arts - Indiana University Bloomington (1997), Bachelor of Arts - Missouri State University (1993), SheliaPriest@MissouriState.edu

RONGALI, SHARATH

Academic Affiliate, Doctor of Philosophy - Baylor University (2011), SRongali@MissouriState.edu

ROSE, TAMARA L

Per-Course Faculty, Master of Science - Missouri State University (2003), Bachelor of Science - Missouri State University (1995), TamaraRose@MissouriState.edu

ROSS, SANDRA D

Per-Course Faculty, Masters in Education - Arkansas State University (2008),

SandraRoss@MissouriState.edu

ROWAN, ASHLEY A

Per-Course Faculty, Bachelor of Arts - Drury University, Rowan84@live.MissouriState.edu

ROYLANCE, LAURETTE D

Per-Course Faculty, Bachelor of Science - Brigham Young University (1995),

LDRoylance@MissouriState.edu

RUGUTT, JOSEPH

Assoc. Professor of Chemistry, Doctor of Philosophy - LA St Univ/A&M-Baton Rouge (1996),

JRugutt@MissouriState.edu

RUSSELL, DASHA L

Instructor of Nursing, Master of Science - Missouri State University (2009), Bachelor of Science - Missouri State University (2008), DashaRussell@MissouriState.edu

RYBURN, KAREN RUTH

Coord. of TRIO/Per-Course Faculty, Master of Education - Southwest Baptist University (2001), Bachelor of Arts - Southwest Baptist University (1971), KarenRyburn@MissouriState.edu

SCHNEIDER, SCOTT M

West Plains Staff, Master of Business Administration - Missouri State University (2006), Bachelor of Science - Mo University of Science & Technology (1994), ScottSchneider@MissouriState.edu

SHORT, ADAM PHILLIP

Per-Course Faculty, Bachelor of Arts - Avila University (2011), AdamShort@MissouriState.edu

SIEPKER, ELIZABETH L

Per-Course Faculty, Master of Science - Michigan State University (2008), Bachelor of Science - Edinboro University of Pennsylvania (2004), ESiepker@MissouriState.edu

SINHA, CHANDRA BHUSHAN

Lecturer - China CBSinha@MissouriState.edu

SMITH, BRENDA M

Instructor of Child and Family Development, Masters in Education - Missouri State University (1989),

BrendaSmith@MissouriState.edu

SMITH, CINDY ANN

Assistant Professor of Respiratory Care, Bachelor of Science - Arkansas State University (2000),

Associate of Applied Science - Arkansas State University (1982), CindyASmith@MissouriState.edu

SMITH, DEANNA M

Springfield Staff, Master of Business Administration - Southwest Baptist University (1999), Bachelor of Business Admin - Drury University (1998), DeannaSmith@MissouriState.edu

SPERRY, JANICE G

Per-Course Faculty, Master of Music Education - University of Missouri-Columbia (1988), Bachelor of Science - Missouri State University (1979), JSperry@MissouriState.edu

STILLEY, VIVIAN

Per-Course Faculty, Master of Science - Southwest Baptist University (1997),

VivianStilley@MissouriState.edu

STORY, RANDY L

Per-Course Faculty, Master of Arts - Arkansas State University (1989),

RandyStory@MissouriState.edu

TATE, KRISTA J

Per-Course Faculty, Master of Education - Missouri State University (2007), Bachelor of Science -

Missouri State University (1999), KristaTate@MissouriState.edu

TAYLOR, ROGERS L

Coord. of Student Life and Development/Per-Course Faculty, Bachelor of Science in Education -

Missouri State University (2007), RogersTaylor@MissouriState.edu

TEETER, BETHANY K

Per-Course Faculty, Masters in Education - Park University (2008), Master of Criminal Justice Adm - Oklahoma City University (1998), Bachelor of Arts - College of The Ozarks (1997),

BethanyTeeter@MissouriState.edu

THAKUR, RAJIV RANJAN

Assistant Professor of Geosciences, Doctor of Philosophy - Indiana State University (2009),

RajivThakur@MissouriState.edu

THANOMSING, CHULAPOL

Instructional Designer/Per-Course Faculty, Masters in Education - Lock Haven U of Pennsylvania

(2004), Bachelor of Business Admin - Burapha University - Thailand (2000),

CThanomsing@MissouriState.edu

THOMPSON, JULIE R

Per-Course Faculty, Educational Doctorate - University of Missouri-Columbia (2010), Master of

Education - Arkansas State University (1996), JulieThompson@MissouriState.edu

TOWELL, JAY

Assistant Professor of Mathematics, Master of Science - Arkansas State University (1993), Bachelor

of Science - Arkansas State University (1992), JayTowell@MissouriState.edu

TRICK, ABEL JERRY*(2000)

Assistant Professor of Mathematics, Master of Education - Missouri State University (1993), Bachelor

of Science - College of The Ozarks (1989), JerryTrick@MissouriState.edu

TROTTER, SONIE

Per-Course Faculty, Master of Science - Missouri State University (1988),

SonieTrotter@MissouriState.edu

TROWBRIDGE, SUSAN M

Per-Course Faculty, Masters in Education - Drury University (1998), Bachelor of Science - Drury

University (1996), SusanTrowbridge@MissouriState.edu

TUCKER, HOLLY E

Per-Course Faculty, Master of Science - Missouri State University (2013), Bachelor of Science -

Missouri State University (2004), HollyTucker@MissouriState.edu

TUMMINIA, ERIC M

Per-Course Faculty, Bachelor of Arts - Truman State University (2002),

EricTumminia@MissouriState.edu

VAN RIESSEN, CHAD M

Asst. Basketball Coach/Academic Affiliate, Master of Education - Northwest Missouri St University (2009), Bachelor of Arts - Central College (2004), CVanRiessen@MissouriState.edu

VANDERGRIF, ALICE F

Per-Course Faculty, Masters in Education - Harding University (1987),

AliceVandergriff@MissouriState.edu

WADE, LISA M

Instructor of Nursing, Bachelor of Science in Nursing - University of Missouri-Columbia (2009),

LisaWade@MissouriState.edu

WALKER, WILLIAM YANCEY

Head Basketball Coach/Academic Affiliate, Master of Science - Colby Community College (2005), Bachelor of Science - Fort Hays State University, YanceyWalker@MissouriState.edu

WALL, LAURIE L

Per-Course Faculty, Master of Education - Northwest Missouri St University (1997), Bachelor of Science in Education - Missouri Western State Univ (1993), LaurieWall@MissouriState.edu

WALSH, BRIANA IRENE

Asst. Volleyball Coach/Per-Course Faculty, Bachelor of Science - Evangel University (2013),

BrianaWalsh@MissouriState.edu

WALTERS, JIMMIE E

Per-Course Faculty, Masters in Education - University of Missouri-Columbia (1996),

JWalters@MissouriState.edu

WALTON, PEGGY I

Per-Course Faculty, Master of Arts - Missouri State University, Bachelor of Arts - Missouri State University, PegWalton@MissouriState.edu

WHEELER, BENJAMIN

Assistant Professor of Biology, Doctor of Philosophy - Arkansas State University (2007), Master of Science - Missouri State University (1999), Bachelor of Science - College of The Ozarks,

BenjaminWheeler@MissouriState.edu

WHITE, DAVID J*(1995)

Associate Professor of Business, Master of Arts - Webster University (1993), Bachelor of Science - Northern Illinois University (1969), DavidWhite@MissouriState.edu

WHITE, JOHN M

West Plains Staff, Masters in Education - Southwestern OK State U (1992),

MWhite@MissouriState.edu

WHITSELL, TERRI SUE

Per-Course Faculty, Master of Arts in Teaching - Missouri State University (2010), Bachelor of Arts - Drury University (1985), TerriWhitsell@MissouriState.edu

WIEDEMANN, PAULA M

Head Volleyball Coach/Academic Affiliate, Masters in Education - Drury University (1992), Bachelor of Arts - Drury University (1989), PaulaWiedemann@MissouriState.edu

WILLIAMS, BARBARA A

Per-Course Faculty, Master of Fine Arts - S Illinois University-Carbondale (1968), BAWilliams@MissouriState.edu

WILLIAMS, BRIDGET R

Per-Course Faculty, Specialist in Education - Missouri State University (1995), BWilliams@MissouriState.edu

WRIGHT, JOAN E

Part Time Lecturer, Specialist in Education - Missouri State University (2005), Master of Education - Arkansas State University (1986), JoanWright@MissouriState.edu

XIDIS, NICHOLAS J

Per-Course Faculty, Master of Public Administration - University of Southern California (1971), NXidis@MissouriState.edu

YATES, CONSTANCE LYNN

Lecturer / Director of Health Information Technology, Master of Business Administration - Indiana Wesleyan University (2008), Bachelor of Science in Bus Administration - Indiana Institute of Tech (2004), ConstanceYates@MissouriState.edu

ZIEGLER, WENDY C

Per-Course Faculty, Bachelor of Arts - University South Carolina-Columbia (1986), WendyCZiegler@MissouriState.edu

*Governor's Award for Excellence in Teaching Recipient

Emeritus Faculty

- Ginger Briscoe
- Richard Cochran (Deceased)
- Vernon L. Cooper
- **John H. Fohn II*(2009)**
- Rita Fugate
- Kay Garrett
- **Marvin W. Green*(1998)**
- **Donna J. Jones*(2004)**
- Julius Kovats (Deceased)

- **Edgar D. McKinney*(2002)**
- **Camilla D. O'Neal*(1995)**
- Neil Pamperien
- Juanita 'Nita' Roth
- Carol Silvey
- Dale Talburt (Deceased)

Emeritus Staff

- Diane Basom
- Sue Ingram
- Mozella Jett
- Janice Johnson
- Marvin Looney
- Veronica Mays (Deceased)
- Kathleen Morrissey
- Norma Ogletree
- Rita Turpin
- Martha Tuttle
- Roger Tuttle
- Evelyn Vetter

Academic Administration

- Dennis Lancaster
- Teresa Shipley
- Margie Griffin
- Donna Bird

- Janet Surface
- Chulapol Thanomsing
- David White
- Jerry Trick
- Amy Ackerson
- Judy Carr
- Cathy Profitt-Boys
- Jay Towell
- Michelle Branton
- Sylvia Kuhlmeier
- Karen Ryburn

Catalog Archive

You need a PDF viewer similar to Adobe® Reader® to view this document.

Current catalog versions:

2015-2016 Preliminary Version (PDF 1.1 MB)

Previous catalogs:

Catalogs in Experts

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 stand alone certificate program, courses in this certificate may also be used to complete the AAS in Entrepreneurship, AAS in General Agriculture or AS in Agriculture. Courses included may also be applied toward bachelor degrees at some four-year institutions.

Certificate in Agricultural Business	Credit Hours
<ul style="list-style-type: none"> • EPR 140 Accounting for Entrepreneurs • ACC 201 Introduction to Financial Accounting 	3
AGR 101 Animal Science	4
<ul style="list-style-type: none"> • AGR 103 Plant Science • AGR 115 Sustainable Agriculture & the Environment 	3
AGR 144 Agricultural Economics	4
AGR 215 Soils	3
AGR 230 Introduction to Agricultural Business	3
AGR 299 Agricultural Internship	3
Select 6 credit hours from the following: ACC 211, AGR 104, AGR 161, AGR 216, FIN 266, INS 211, LAW 231, MGT 286, PSY 121, QBA 237 Note: ECO 155 and ECO 165 can be substituted for AGR 144	6
Total Hours Required	29

Certificate in Public Outreach and Education

Public Outreach and Education (Cert)

Certificate

The Certificate in Public Outreach and Education is a short-term certificate program recommended for students interested in serving as interpretive guides in cultural tourism, agri-tourism, environmental tourism or related fields. Upon successful completion of the interpretive guide certification course, students are eligible to take the National Association for Interpretation's Certified Interpretive Guide exam. While the Certificate in Public Outreach and Education may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the AAS in Entrepreneurship.

Not eligible for financial aid.

Public Outreach and Education Core Requirements	Credit Hours
EPR 180 Local Interpretive Implementation	3
EPR 185 Interpretive Guide Certification	3
Intpretive Electives:	
<i>Select six credits hours from the following:</i>	
• AGR 161 Introduction to Horses	2
• AGR 162 Introduction to Riding	1
• AGR 197 Special Topics in Agriculture (Approved topics: Ozarks Edibles, Ozarks Wildlife)	1-3
• AGR 199 Agriculture in the Ozarks	3

-
- ART 098 Topics in Art and Design 1-2
(Approved topics: Watercolor, Sketchbook Journaling, Print Making, Photography)
-

- ART 100 Two-Dimensional Design 3
-

- ART 101 Three-Dimensional Design 3
-

- ART 115 Drawing I 3
-

- [KIN 135](#) Selected Activities 1
(Approved topics: Rock Climbing, Hiking on Ozarks Public Lands, Daypacking on Ozarks Public Lands)
-

Total Public Outreach and Education Hours 12

Note:

1. First Aid, CPR/AED certification is highly recommended.
2. Additional AGR 197, ART 098 and KIN 135 topics may be approved by the program coordinator.

Certificate in Small Business Management

Small Business Management (Cert)

Certificate

The Certificate in Small Business Management provides practical knowledge and skills in small business management and entrepreneurship. This certificate is recommended for students interested in starting and running their own business. While the Certificate in Small Business Management may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the Certificate in Small Business Management or the AAS in Entrepreneurship.

Not eligible for financial aid.

Certificate in Small Business Management	Credit Hours
EPR 110 Introduction to Entrepreneurship	3
EPR 121 Accounting Software Applications	3
EPR 130 Sales and Customer Service	3
EPR 290 Business Plan Development	3
MKT 150 Introduction to Marketing	3
Total Hours Required	15

Certificate in Health Information Technology-Medical Coding

Medical Coding (Cert)

Associate of Applied Science

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. This program is not accredited by AHIMA complete to certification exam to become a Registered Health Information Technician (RHIT). Certification is required at some (not all) health care facilities to become employed as a coding specialist.

General Education Core	Credit Hours
MTH 103 Intermediate Algebra or Higher	3
BMS 110 Concepts of Biomedical Science	4
ENG 110 Writing I	3
Total General Education Core Hours	10

Computer Information Core	Credit Hours
CIS 101 Computers for Learning	3
CIS 212 Personal Computer Systems in Business	3
CIS 232 Spreadsheets	3
Total Credit Hours	9

Health Information Technology Core	Credit Hours
------------------------------------	--------------

ALH 116 Medical Terminology	2
HIT 100 Introduction to Health Information Technology	3
HIT 110 Medical Coding I	3
HIT 210 Medical Coding II	3
HIT 220 Medical Coding III	3
Total Credit Hours	14
Total Hours Required	33

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 Alternative Energy

Alternative Energy (Cert)

Certificate

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
Total Credit Hours	15

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 AAS in Technology-Alternative Energy.

Not eligible for financial aid.

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 AAS in Technology-Technology Management or the AAS in Business-Technology Management.

Certificate in Technology Management	Credit Hours
ACC 201 Introduction to Financial Accounting	3
TEC 105 Technology's Impact on Society	3
TEC 112 Introduction to Supply Chain Management	3
EPR 210 Principals of Supervision	3
TEC 220 Technology Management	3
TEC 232 Quality Management	3
TEC 250 Safety Management	3
TEC 255 Project Management	3
MGT 286 Business Communication	3
Total Hours	27

Certificate in Wine Business and Entrepreneurship

Wine Business and Entrepreneurship (Cert)

Certificate

Certificate in Wine Business & Entrepreneurship	Credit Hours
VIN 130 New Wine Business Feasibility	3
VIN 132 Finance and Accounting for Wine Business	3
VIN 134 Survey of Viticulture and Enology for Wine Business	3
VIN 190 Vineyard Safety or VIN 290 Winery Safety	1-2
VIN 202 Legal Aspects of Vineyard And Winery Operation	3
VIN 251 Grapes to Market and Grower Relations or VIN 271 Advanced Wine Marketing	2-3
VIN 250 Vineyard Equipment Technology for the Entrepreneur or VIN 260 Winery Equipment Technology for the Entrepreneur	2-3
VIN 255 Financial Management for the Vineyard or VIN 275 Financial Management for the Winery	3
VIN 111 Introduction to Viticulture and Vineyard Establishment or VIN 276 Advanced tasting Room Management or VIN 280 Winery Establishment and Design	2-3
VIN 285 Addressing Human Resources Issues in a Commercial Vineyard/Winery	3
VIN 295 Developing a Business Plan for a Commercial Vineyard/Winery	3
Total Hours Required	28-32

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

Pending Board of Governors and CBHE Approval

Associate of Applied Science in General Agriculture

General Agriculture (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
COM 115 Fundamentals of Public Speaking	3
ENG 110 Writing 1	3
MTH 135 Intermediate Algebra or higher (except MTH 197 or MTH 297)	3
PLS 101 American Democracy and Citizenship	3
IDS 110 Student Success	2
General Education Core Total	14
Major Requirements	Credit Hours
AGR 101 Animal Science	4
<ul style="list-style-type: none"> • AGR 103 Plant Science or • AGR 115 Sustainable Agriculture and the Environment 	3
AGR 144 Agricultural Economics*	4
AGR 215 Soils	3
<ul style="list-style-type: none"> • AGR 297 Global Agriculture and Food Production (capstone course) or • IDS 297 Topics in Globalization 	3

AGR 299 Internship in Agriculture	3
BIO 101 Biology in Your World**	3
BIO 111 Understanding Biology Systems through Inquiry**	1
CHM 116 Fundamentals of Chemistry***	4
CHM 117 Fundamentals of Chemistry Lab***	1
CIS 101 Computers for Learning	3
Major Total Hours	32

Agriculture Requirements	Credit Hours
Select one of the following groups:	18

Agricultural Business Group	
Select a minimum of 15 hours from the following:	
<ul style="list-style-type: none"> • ACC 201 Introduction to Financial Accounting or EPR 140 Accounting for Small Business • ACC 211 Introduction to Managerial Accounting • AGR 104 Plant Science Laboratory • AGR 115 Sustainable Agriculture and the Environment • AGR 161 Introduction to Horses • AGR 216 Soils Lab • AGR 230 Introduction to Agricultural Business • FIN 266 Principles of Real Estate • INS 211 Insurance • LAW 231 Legal Environment of Business • MGT 286 Business Communications • PSY 121 Introductory Psychology • QBA 237 Basic Business Statistics 	
Select a minimum of 3 credit hours of electives.	18

Animal Science Group

Select a minimum of 12 credit hours from the following:

- AGR 104 Plant Science Laboratory
- AGR 161 Introduction to Horses
- AGR 162 Introduction to Riding
- AGR 191 Evaluation and Performance Appraisals of Horses
- AGR 196 Dairy/Meat Animal Evaluation
- AGR 216 Soils Lab
- AGR 250 Agricultural Communications
- AGR 262 Riding for Horse Training

Select a minimum of 6 credit hours of electives.

18

General Agriculture Group

Select a minimum of 12 credit hours from the following:

- AGR 100 Food Security
- AGR 104 Plant Science Laboratory
- AGR 157 Principles of Agricultural Mechanization
- AGR 216 Soils Lab
- AGR 250 Agricultural Communications
- JRN 270 Introduction to Journalism
- PSY 121 Introductory Psychology

Select a minimum of 6 credit hours of electives.

18

Natural Resources Group

Select a minimum of 12 credit hours from the following:

- AGR 103 Plant Science
- AGR 104 Plant Science Laboratory
- AGR 115 Sustainable Agriculture and the Environment
- AGR 143 Introductory Forestry
- AGR 216 Soils Lab
- GLG 110 Principles of Geology

- GRY 135 Atmospheric Science
- GRY 142 Introductory Physical Geography
- Select a minimum of 6 credit hours of electives.

18

Plant Science group

Select a minimum of 12 credit hours from the following:

- ACC 201 Introduction to Financial Accounting or EPR 140 Accounting for Small Business
- AGR 103 Plant Science
- AGR 104 Plant Science Laboratory
- AGR 143 Introductory Forestry
- AGR 216 Soils Lab
- GLG 110 Principles of Geology
- GRY 135 Atmospheric Science
- GRY 142 Introductory Physical Geography

Select a minimum of 6 credit hours of electives.

18

Wildlife Management Group

Select a minimum of 12 hours from the following:

- AGR 103 Plant Science
- AGR 104 Plant Science Laboratory
- AGR 115 Sustainable Agriculture and the Environment
- AGR 143 Introductory Forestry
- AGR 216 Soils Lab
- AGR 240 Wildlife Techniques
- AGR 242 Wildlife Damage Management
- GLG 110 Principles of Geology
- GRY 100 World Regional Geography

Select a minimum of 6 credit hours of electives.

18

Total Degree Hours Required

64

Associate of Applied Science in Allied Health

Allied Health (AAS)

Associate of Applied Science

The Associate of Applied Science in Allied Health Degree provides a route to an associate's degree for graduates of the Emergency Medical Technology-Paramedic program offered through South Howell County Ambulance district and/or graduates of the Surgical Technology program offered through South Central Career Center.

General Education Core Requirements	Credit Hours
IDS 110 Student Success	2
ENG 110 Writing I	3
<ul style="list-style-type: none"> • ENG 210 Writing II: Academic Writing or • ENG 221 Writing II: Writing for the Professions 	3
MTH 130 Contemporary Math or higher	3
PLS 101 American Democracy and Citizenship	3
PSY 121 Introductory Psychology	3
BMS 110 Concepts in Biomedical Sciences	4
<ul style="list-style-type: none"> • CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab or • CHM 160 General Chemistry I 	4-5
COM 115 Fundamentals of Public Speaking	3
IDS 297 Topics in Globalization (Capstone Course)	2
General Education Core Total	29-30

Allied Health Core Requirements**Credit
Hours**

-
- ALH 150 Surgical Technology or
 - ALH 155 Emergency Medical Technology Paramedic
-

32**Additional Requirements****Credit
Hours****Electives****2-3****Total Degree Requirement Hours****Credit Hours****Total Hours****64**

Associate of Applied Science in Business

Associate of Applied Science In Business

Associate of Applied Science

Accounting Option

General Education Core Requirements	Credit Hours
COM 115 Fundamentals of Public Speaking	3
ECO 155 Principles of Macroeconomics	3
ENG 110 Writing I	3
MTH 103 Intermediate Math	3
PLS 101 American Democracy and Citizenship	3
IDS 110 Student Success	2
Total General Education Core Hours	17
Business Core Requirements	Credit Hours
CIS 101 Computers for Learning	3
MGT 130 Business Math	3
BUS 135 Introduction to Business	3
FIN 280 Introduction to Financial Management	3
BUS 297 International Business (capstone course)	3
MGT 120 Introduction to Management	3

MGT 286 Business Communications	3
QBA 237 Basic Business Statistics	3
LAW 231 Legal Environment of Business	3
Total Business Core Total	27

Accounting Core Requirements	Credit Hours
ACC 201 Introduction to Financial Accounting	3
EPR 121 QuickBooks	3
ACC 211 Introduction to Managerial Accounting	3
ACC 221 Tax Codes, Regulations and Payroll	3
ACC 299 Internship in Accounting	3
CIS 232 Spreadsheets	3
CIS 212 Personal Computer Systems in Business	3
Total General Education Hours	21

Degree Requirements	Credit Hours
Total Degree Hours Required	65

Computer Information Option

General Education Core Requirements	Credit Hours
COM 115 Fundamentals of Public Speaking	3
ECO 155 Principles of Macroeconomics	3
ENG 110 Writing I	3
MGT 130, MTH 103 or higher (except MTH 197 or 297)	3

PLS 101 American Democracy and Citizenship	3
PSY 121 Introductory Psychology	3
IDS 110 Student Success	2
Total General Education Core Hours	20

Business Core Requirements	Credit Hours
<ul style="list-style-type: none"> • ACC 201 Introduction to Financial Accounting or • ACC 140 Survey of Accounting 	3
CIS 101 Computers for Learning	3
BUS 135 Introduction to Business	3
BUS 297 International Business (capstone course)	3
MGT 120 Introduction to Management	3
MGT 286 Business Communications	3
QBA 237 Basic Business Statistics	3
LAW 231 Legal Environment of Business	3
Total Business Core Hours	24

Computer Information Core Requirements	Credit Hours
CIS 212 Personal Computing Systems in Business	3
CIS 232 Spreadsheets	3
CGP 120 Web Development I	3
CGP 145 Intro To Computer Programming	3
CGP 251 Application Development I	3
CGP 252 Network and Operating System Essentials	3

CGP 261 Application Development II	3
Total Computer Information Core Hours	21
Degree Requirements	Credit Hours
Total Hours Required	65

Management Option

General Education Core Requirements	Credit Hours
COM 115 Fundamentals of Public Speaking	3
ECO 155 Principles of Macroeconomics	3
ENG 110 Writing I	3
MGT 130 Business Math	3
PLS 101 American Democracy and Citizenship	3
IDS 110 Student Success	2
Total General Education Core Hours	17

Business Core Requirements	Credit Hours
CIS 101 Computers for Learning	3
BUS 135 Introduction to Business	3
FIN 280 Introduction to Financial Management	3
BUS 297 International Business (capstone course)	3
MGT 120 Introduction to Management	3
MGT 286 Business Communications	3
QBA 237 Basic Business Statistics	3

LAW 231 Legal Environment of Business	3
Total Business Core Hours	24
Management Core Requirements	Credit Hours
ACC 201 Introduction to Financial Accounting	3
ACC 211 Introduction to Managerial Accounting	3
CIS 212 Personal Computing Systems in Business	3
ECO 165 Principles of Microeconomics	3
MGT 299 Internship in Business Management	3
MKT 150 Introduction to Marketing	3
FIN 266 Principles of Real Estate	3
<i>Add one from the following electives</i>	3
<ul style="list-style-type: none"> • EPR 110 Introduction to Entrepreneurship • MGT 210 E-Commerce • MKT 155 Introduction to Retailing • PLS 232 International Relations • INS 211 Insurance • COM 110 Critical Thinking 	
Total Management Core Hours	24
Degree Requirements	Credit Hours
Total Hours Required	65

Technology Management Option

General Education Core Requirements	Credit Hours
--	---------------------

COM 115 Fundamentals of Public Speaking	3
ECO 155 Principles of Macroeconomics	3
ENG 110 Writing I	3
MGT 130, MTH 103 or higher	3
PLS 101 American Democracy and Citizenship	3
PSY 121 Introductory Psychology	3
IDS 110 Student Success	2
Total General Education Core Hours	20
Business Core Requirements	Credit Hours
<ul style="list-style-type: none"> • ACC 201 Introduction to Financial Accounting or • ACC 140 Survey of Accounting 	3
CIS 101 Computers for Learning	3
BUS 135 Introduction to Business	3
BUS 297 International Business (capstone course)	3
MGT 120 Introduction to Management	3
MGT 286 Business Communications	3
QBA 237 Basic Business Statistics	3
LAW 231 Legal Environment of Business	3
Total Business Core Hours	24
Technology Management Core Requirements	Credit Hours
TEC 112 Introduction to Supply Chain Management	3

TEC 205 Principles of Supervision	3
TEC 220 Technology Management	3
TEC 232 Quality Management	3
TEC 250 Safety Management	3
TEC 255 Project Management	3
TEC 299 Technology Internship	3
Technology Management Core Hours	21
Degree Requirements	Credit Hours
Total Hours Required	65

Associate of Science in Business

Business (AS)

Associate of Science

The required general education courses for the Associate of Science in Business are listed as follows:

Foundations Requirements [£]	Credit Hours
COM 115 Communication	3
ENG 110 Writing I	3
<ul style="list-style-type: none"> ENG 210 Writing II: Academic Writing ENG 221 Writing II: Writing for the Professions 	3
MTH 135 or above except MTH 197 and MTH 297	3
IDS 110 Student Success	2
Total Foundations Requirements Hours	14

[£] The **basic skills** block constitutes preparatory courses necessary for completing a college education and should therefore be completed as soon as possible.

Distribution Requirements	Credit Hours
Public Affairs	
US and MO Constitutions and American History	6
<ul style="list-style-type: none"> Political Science: PLS 101 and History: HST 121 or HST 122 	

Cultural Competence: Select 1	3
<ul style="list-style-type: none"> • Religion: REL 100 • Geography: GRY 100 	

Public Issues:	3
CIS 200	

Human Culture Requirements	Credit Hours
-----------------------------------	---------------------

Humanities: Select 1	3
<ul style="list-style-type: none"> • Literature: LLT 121 or above • English: ENG 230, ENG 231, ENG 235, ENG 236, ENG 280, ENG 282, ENG 283, ENG 285, ENG 288 • Music: MUS 241 • Media: MED 274 • Philosophy: PHI 110 • Religion: REL 101, REL 102 • History: HST 103, HST 104 • Any Foreign Language 	

Social and Behavioral Science: Select 2	6
<ul style="list-style-type: none"> • Economics: ECO 155 or ECO 165 (see Business Electives for COB admission requirements) • Psychology: PSY 121 	

The Arts: Select 1	3
<ul style="list-style-type: none"> • Art: ART 200 • English: ENG 203, ENG 205, or ENG 215 • Music: MUS 239 • Theater: THE 101 	

Natural World Requirements	Credit
-----------------------------------	---------------

At least one course from each section, two different course codes, at least one with a lab[†]

7-9

Life Sciences

- Biology: BIO 100, BIO 101 (Lab component BIO 111[†]), BIO 121[†]
- Biomedical Sciences: BMS 110 (Lab component BMS 111)
- Environmental Science: ENV *105
- Geology: GLG 115

Physical Sciences

- Astronomy: AST 113, AST 114, AST *115
- Physics: PHY *101, PHY *102, PHY 123
- Chemistry: CHM 116 (Lab component CHM 117), CHM 160
- Geosciences: GLG *110, GLG 171, GRY *135, GRY *142

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.

Total General Education Block Hours

45-47

Other Course Requirements

Credit Hours

CIS 101 Computers for Learning

3

BUS 297 International Business

3

Total Other Requirements Hours

6

Business Electives

Credit Hours

Choose 4 courses from the 2 lists below: [**](#)

Business Core Requirements:

- Financial Accounting: ACC 201
- Managerial Accounting: ACC 211
- Business Law: LAW 231

- Basic Business Statistics: QBA 237
- Economics: ECO 155 and ECO 165 (See Social and Behavioral Science)
- Business Communications: MGT 286
- Critical & Creative Thinking Using Info Tech: CIS 200

Other Business Elective:

- Intorduction to Business: BUS 135
- Real Estate: FIN 266
- Insurance: INS 211
- Spreadsheets: CIS 232
- Journalsim: JRN 270

Business Elective Total:	12
---------------------------------	-----------

Degree Requirements	Credit Hours
----------------------------	---------------------

Total Hours	63
--------------------	-----------

** While only four business electives are required to satisfy the degree requirements, please note that all six courses listed under Business Core Requirements are required for admission into the Missouri State University College of Business. The five courses listed under Other Business Electives are either other business electives or courses required for the Missouri State University Bachelor of Science in General Business degree offered on the West Plains campus. (see the Bachelor's and Master's Degree Program section)

Certificate in Basic Bookkeeping

Basic Bookkeeping (Cert)

Certificate

The Certificate in Basic Bookkeeping is awarded upon successful completion of the 15 credit hours of business courses. Courses included in this certificate include computers for learning, business math, a survey of financial and managerial accounting, QuikBooks, 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.

Not eligible for financial aid

Basic Bookkeeping Requirements	Credit Hours
CIS 101 Computers for Learning	3
MGT 130 Business Math	3
EPR 121 Accounting Software Applications	3
ACC 221 Tax Codes, Regulations and Payroll	3
EPR 140 Accounting for Small Business	3
Basic Bookkeeping Total	15

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.

ENG 110 Writing I	3
CIS 101 Computers for Learning	3
BUS 135 Introduction to Business	3
MGT 120 Introduction to Management	3
MGT 130 Business Math	3
MGT 286 Business Communications	3
ACC 201 Introduction to Financial Accounting	3
ACC 211 Introduction to Managerial Accounting	3
ACC 221 Tax Codes, Regulations and Payroll	3
EPR 121 Accounting Software Applications	3
CIS 212 Personal Computer Systems in Business	3
Total Basic Office Management Certificate Hours	33

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 Basic Business Studies

Basic Business Studies (Cert)

Certificate

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	3
MKT 150 Introduction to Marketing	3
Basic Business Studies Core Total	12

Associate of Applied Science in Enology

Enology (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
BIO 101 Biology in Your World	3
BIO 111 Understanding Biological Systems Through Inquiry	1
BIO 210 Elements of Microbiology	3
<ul style="list-style-type: none"> • COM 115 Fundamentals of Public Speaking • MGT 286 Business Communication, /i> 	3
CIS 101 Computers for Learning	3
ENG 110 Writing I	3
ENG 221 Writing II: Writing for the Professions	3
IDS 110 Student Success	2
MTH 103 or higher (except MTH 197 or MTH297)	3
PLS 101 American Democracy and Citizenship	3
PHY 100 Survey of Physics with Laboratory	4
General Education Core Total	31
Enology Core Requirements	Credit Hours
VIN 146 Introduction to Enology	3

VIN 148 Winery Sanitation	3
VIN 160 Winery Equipment Operations	2
VIN 210 Introduction to Wine Microorganisms	3
VIN 246 Fall Intermediate Enology	2
VIN 247 Winter/Spring Intermediate Enology	2
VIN 257 Wine Production Internship	3
VIN 259 Cellar Operations Technology	2
VIN 266 Sensory Evaluation	3
VIN 268 Wine and Must Analysis	3
VIN Elective (VIN 111, VIN 211 or VIN 293)	3
<ul style="list-style-type: none"> • CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab or • VIN 105 Chemistry for the Winemaker 	4-5
Enology Core Total	34-35
Degree Requirements	Credit Hours
Total Hours	65

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.

Certificate in Enology	Credit Hours
VIN 146 Introduction to Enology	3
VIN 148 Winery Sanitation	3
VIN 160 Winery Equipment Operations	2
VIN 210 Introduction to Wine Microorganisms	3
VIN 246 Fall Intermediate Enology	2
VIN 247 Winter/Spring Intermediate Enology	2
VIN 257 Wine Production Internship	3
VIN 259 Cellar Operations Technology	2
VIN 266 Sensory Evaluation	3
VIN 268 Wine and Must Analysis	3
VIN Elective (VIN 111, VIN 211, or VIN 293)	3
VIN 105 Chemistry for the Winemaker or CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab	4-5

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:

Foundations Requirements	Credit Hours
<i>First-Year Seminar</i> IDS 110 Student Success	2
<i>Written Communications and Information Literacy</i> ENG 110 Writing I	3
<i>Oral Communications</i> COM 115 Fundamentals of Public Speaking	3
<i>Quantitative Literacy (choose one)</i> <ul style="list-style-type: none"> • MTH 130 Contemporary Mathematics • MTH 135 College Algebra • MTH 138 Pre-Calculus Mathematics • MTH 181 Trigonometry • MTH 261 Analytical Geometry and Calculus 	3-5
<i>Written Communications and Integrative and Applied Learning (choose one)</i> <ul style="list-style-type: none"> • ENG 210 Writing II: Writing in the Disciplines • ENG 221 Writing II: Writing for the Professions 	3
Natural World Requirements	Credit Hours
	† 7-9

At least one course from each area, two different course codes, at least one with a lab

Life Sciences

- BIO 100 Biological Science for Educators
 - BIO 101 Biology in Your World
 - BIO 111[†] Understanding Biological Systems Through Inquiry (lab)
 - BIO 121[†] General Biology I
 - BMS 110 Introduction to the Biomedical Sciences
 - BMS 111 Introduction to the Biomedical Sciences (lab)
 - ENV 105 Environmental Science
 - GLG 115 Life of the Past
-

Physical Sciences

- AST 113 Modern Astronomy
 - AST 114 Survey of Astronomy
 - AST 115 Basic Astronomy
 - CHM 116 Fundamentals of Chemistry
 - CHM 117 Fundamentals of Chemistry Lab
 - CHM 160 General Chemistry I
 - GLG 110 Principles of Geology
 - GLG 171 Environmental Geology
 - GRY 135 Atmospheric Science
 - GRY 142 Introduction to 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
-

Human Culture Requirements

**Credit
Hours**

Social and Behavioral Science (*choose two*)

6

- AGR 100 Food Security
- AGR 144 Agricultural Economics I
- ANT 125 Exploring Our Human Development
- CFD 155 Principles of Human Development
- CFD 163 Relationships in Today's Families
- ECO 155 Principles of Macroeconomics
- ECO 165 Principles of Microeconomics
- GRY 108 Ecology and Society
- MED 120 Introduction to Mass Communications
- PSY 121 Introductory Psychology
- REL 131 Religion in America
- SOC 150 Principles of Sociology

Humanities (*choose one*)

3

- ENG 230 Introductory Reading in Literature
- ENG 231 Major Writers of English
- 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 in Modern 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

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 Dramatic Arts

Public Affairs Requirements

**Credit
Hours**

US and MO Constitutions and American History

3

PLS 101 American Democracy and Citizenship

US History (choose one)

3

- HST 121 Survey of US History to 1877
- HST 122 Survey of US History Since 1877

Cultural Competence (choose one)

3

- GRY 100 World Regional Geography
- REL 100 Religion and Human Culture

Public Issues (choose one)

3

- CIS 200 Critical and Creative Thinking using Information Technology
- COM 110 Critical Thinking
- CSC 210 Public Affairs in Computing

- ECO 101 Economics of Social Issues
- PHI 105 Logic, Language and Argumentation
- PHI 115 Introduction to Ethics
- PLS 205 International Relations
- PLS 232 Countries and Culture: Comparative Government
- TEC 105 Technology's Impact on Society

Other General Education Requirements

**Credit
Hours**

CIS 101 Computers for Learning

3

IDS 297 Topics in Globalization

3

Electives

**Credit
Hours**

Elective Total:

12

Degree Requirements

**Credit
Hours**

Total Hours

63-67

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 and
 - 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 and
 - 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 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 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 or any of the Associate of Applied Science 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; and
 - 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 MSU-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; or
 - 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/TEC Technology's Impact on Society
- BIO 101 Principles of Biological Science and BIO 111 Understanding Biological Systems through Inquiry
- CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab
- CHM 160 General Chemistry
- COM 115 Fundamentals of Public Speaking
- ENG 210 Writing II: Academic Writing (Honors credit not given for both ENG 210 & 221)
- ENG 221 Writing II: Writing for the Professions (Honors credit not given for both ENG 210 & 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 1500 C.E.
- HST 104 World History Since 1500 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

Certificate in Ozarks Studies

Ozarks Studies (Cert)

Certificate

Ozarks Studies Core Requirements

**Credit
Hours**

ENG 232 Ozarks Writers

3

SOC 275 Sociology of Rural Life

3

Electives

6

An additional 6 hours are required to complete the Ozarks Studies Certificate. 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.

- AGR 199 Agriculture in the Ozarks
- ANT 197 Selected Topics in Anthropology
- ART 098 Topics in Art and Design
- BIO 197 Selected Topics in Biology
- ENG 285 Subjects in Folklore
- GLG 197 Popular Topics in Geology
- GRY 197 Selected Topics in Geography
- HST 197 Selected Topics in History
- LLT 197 Selected Topics in Language and Literature
- MED 197 Selected Topics in Media
- MUS 197 Selected Topics in Music
- OZK 150 Introduction to Ozarks Studies
- REL 197 Topics in Religious Studies
- THE 197 Selected Topics in Theatre

**Not eligible for financial aid*

Associate of Applied Science in Law Enforcement

Law Enforcement (AAS)

Associate of Applied Science

Currently awaiting renewed approval from the Higher Learning Commission (HLC)

Completion of POST Law Enforcement Academy Training

**Credit
Hours**

LWE 130** Basic Jail Officer Academy I

3

LWE 131** Basic Jail Officer Academy II

3

LWE190* Basic Law Enforcement Academy I

12

LWE 191* Basic Law Enforcement Academy II

12

Law Enforcement Academy Total

30

General Education Core Requirements

**Credit
Hours**

CIS 101 Computers for Learning

3

COM 115 Fundamentals of Public Speaking or COM 205 Interpersonal Communication
Theory and Skills

3

ENG 110 Writing I

3

IDS110 Student Success

2

MTH 103 Intermediate Algebra or above (except MTH 197 or MTH 297)

3

PLS 101 American Democracy & Citizenship

3

LWE 297 Foundations of Public Law (capstone course)

3

PSY 121 Introduction to Psychology

3

General Education Core Total**23****Law Enforcement Core Requirements****Credit
Hours**

Select 12 credit hours from the following courses:

CRM 210 Introduction to the American Criminal Justice System

3

LWE 110 Criminal Interview and Investigation: The Art of Documentation

3

LWE 120** Basic Jail Officer Academy

6

LWE 210 Crime Scene Investigation & Photography

3

LWE 250 Police Supervision & Management

3

Law Enforcement Core Total**12****Degree Requirements****Credit
Hours****Total Hours Required****64**

** Credit is awarded to the student enrolled in the AAS in Law Enforcement degree program following the successful completion of this course in compliance with the Missouri Department of Public Safety Peace Officer Standards and Training (POST).*

Students may take general education courses prior to completing the academy coursework.

*** A student may not receive credit for LWE 120 and LWE 130 or LWE 131.*

Certificate in Law Enforcement

Law Enforcement (Cert)

Certificate

Currently awaiting renewed approval from the Higher Learning Commission (HLC)

The Certificate in Law Enforcement provides students with the practical knowledge and skills required for the law enforcement profession. Courses offered as part of this certificate include the Missouri Sheriffs Association Training Academy's Basic Jail Officer Academy and Basic Law Enforcement Academy. While the Certificate in Law Enforcement may be completed as a stand-alone certificate program, courses in this certificate may also be used to complete the AAS in Law Enforcement.

Certificate in Law Enforcement	Credit Hours
LWE 130** Basic Jail Officer Academy I	3
LWE 131**Basic Jail Officer Academy II	3
LWE 190* Basic Law Enforcement Academy I	12
LWE 191* Basic Law Enforcement Academy II	12
Total Hours	30

**Credit is awarded to the student enrolled in the AAS in Law Enforcement degree program following the successful completion of this course in compliance with the Missouri Department of Public Safety Peace Officer Standards and Training (POST).*

Students may be take general education courses prior to completing the academy coursework .

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

*** A student may not receive credit for LWE 120 and LWE 130 or LWE 131.*

Associate of Applied Science in Respiratory Care

Respiratory Care (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
IDS 110 Student Success	1
BMS 110 Concepts in Biomedical Sciences	4
<ul style="list-style-type: none">• COM 115 Fundamentals of Public Speaking• COM 205 Interpersonal Communication Theory and Skills	3
ENG 110 Writing I	3
MTH 103 Intermediate Algebra or higher	3
PLS 101 American Democracy and Citizenship	3
PSY 121 Introductory Psychology	3
General Education Core Total	20
Respiratory Care Core Requirements	Credit Hours
ALH 116 Medical Terminology	1
RST 120 Introduction to Respiratory Care/The Respiratory Care Professional	3
RST 121 Microbiology for Respiratory Care	2
RST 122 Respiratory Pharmacology	2
RST 123 Pulmonary Disease I	2

RST 124 Cardiopulmonary Anatomy and Physiology	3
RST 132 Mechanical Ventilation I	3
RST 210 Respiratory Equipment and Therapeutics	4
RST 223 Pulmonary Disease II	2
RST 232 Mechanical Ventilation II	3
RST 245 Cardiopulmonary Diagnostics	4
RST 250 Neonatal/Pediatric Respiratory Care	2
RST 260 Respiratory Care Special Procedures	2
RST 270 Disease Management	2
RST 280 Clinical Practicum I	6
RST 281 Clinical Practicum II	6
RST 282 Clinical Practicum III	3
RST 283 Clinical Practicum IV	6
RST 297 Advanced Respiratory Care Theory (capstone course)	4
Respiratory Care Core Total	60
Total Degree Hours Required	80

Respiratory Care Admission Eligibility

Missouri State University's admission criterion uses the Equal Employment Opportunity and Affirmative Action statements found in the University's policy section of the catalog. To be considered for admission each applicant must achieve a minimum Ranking Score of 52. All applicants will be considered competitively on an annual basis.

1. Ranking score is computed by multiplying the ACT score by the GPA. Incoming freshmen and those with less than 12 college credit hours will have the ranking score computed using their high school GPA. The college GPA will be used for applicants with 12 hours or more. In some cases the admissions committee may elect to use the last 12 hours to compute the ranking score.
2. Applicant must have a minimum of a 2.0 (C) average regardless of ranking score.
3. Complete application instructions and requirements are found in the application packet available in the Respiratory Care Department, the academic affairs office and the admissions office.
4. The application deadline is October 31st of each year. Interviews will be held in early June with notification of acceptance made the week following interviews. Those accepted start the program in the spring semester following the application cycle if they have finished their general education requirements.

Respiratory Care Accreditation

The Respiratory Therapy program at Missouri State University-West Plains holds Provisional Accreditation from the Commission on Accreditation for Respiratory Care (<http://www.coarc.com>). This status signifies that a program that has been granted an Approval of Intent has demonstrated sufficient compliance to initiate a program in accordance with the Standards through the completion and submission of an acceptable Self Study Report (SSR) and other documentation required by the CoARC Board. The conferral of Provisional Accreditation denotes a new program that has made significant progress towards meeting the Standards of Accreditation. The program will remain on Provisional Accreditation until achieving Initial Accreditation. It is recognized by the National Board for Respiratory Care (NBRC) toward eligibility to the Respiratory Care Credentialing Examination(s). Enrolled students completing the program under Provisional Accreditation are considered graduates of a CoARC accredited program, 1248 Harwood Road, Bedford, Texas 7602-14244, (817) 283-2835.

Respiratory Care Essential Abilities

The following functional abilities or attributes are essential in order to meet the objectives for the AAS in Respiratory Care at Missouri State University-West Plains. With reasonable accommodation, the student must possess:

1. Fine motor skills sufficient to perform skills such as picking up, grasping and manipulating small objects with hands and writing with a pen or pencil.
2. Physical mobility and strength sufficient to move about on a nursing unit and participate in client care.
3. Physical stamina sufficient to perform client care for the entire length of the clinical experience (8-12 hour shifts)
4. Auditory ability sufficient for assessment of client health.
5. Visual acuity sufficient to see objects up to 20 inches away and distinguish color.
6. Reading ability sufficient to understand the written word at a minimum of a tenth grade level.
7. Arithmetic competence that would allow the student to read and understand columns of writing, to tell time, to use measuring tools, and to add, subtract, multiply and divide.
8. Emotional stability sufficient to assume responsibility/accountability for actions, to provide client with emotional support, to adapt to environmental stress and to monitor own emotions.
9. Analytical thinking sufficient to transfer knowledge from one situation to another, to problem solve, to prioritize tasks and to use long-term and short-term memory.
10. Critical thinking ability sufficient to exercise sound judgment through the sequencing of information and the identification of cause and effect relationships.
11. Interpersonal skills sufficient to establish rapport with clients and co-workers and to respect the rights of others and the differences in clients.
12. Communication skills sufficient to teach others, to explain procedure, to interact with others and to convey information in writing.

13. The student must adhere to all confidentiality and HIPAA regulations of the University and of the clinical affiliates.

Respiratory Care Program Goals

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains of respiratory care

practice as performed by registered respiratory therapists (RRTs).

Upon completion of the program, all students will:

1. Demonstrate the ability to comprehend, apply and evaluate information relevant to the role of the advanced level respiratory therapist.
2. Demonstrate technical proficiency in all skills necessary to fulfill the role of the advanced level respiratory therapist (RRT) and
3. Demonstrate personal behaviors consistent with professional and employer expectations for the advanced level respiratory therapist.

Associate of Applied Science in Viticulture

Viticulture (AAS)

Associate of Applied Science

General Education Core Requirements	Credit Hours
AGR 157 Principles of Agricultural Mechanization	3
BIO 101 Biology in Your World	3
BIO 111 Understanding Biological Systems Through Inquiry	1
<ul style="list-style-type: none"> • COM 115 Fundamentals of Public Speaking or • MGT 286 Business Communication 	3
ENG 110 Writing I	3
ENG 221 Writing II: Writing for the Professions	3
<ul style="list-style-type: none"> • MTH 103 Intermediate Algebra or higher (except MTH 197 or MTH 297) 	3
PLS 101 American Democracy and Citizenship	3
PHY 100 Survey of Physics with Laboratory	4
QBA 237 Basic Business Statistics	3
IDS 110 Student Success	2
General Education Core Total	31
<hr/>	
Viticulture Core Requirements	Credit Hours
VIN 111 Introduction to Viticulture and Vineyard Establishment	3

VIN 112 Botanical Viticulture	4
VIN 113 Winter Viticulture Technology	2
VIN 114 Spring Viticulture Technology	2
VIN 115 Summer/Fall Viticulture Technology	2
VIN 211 Integrated Pest Management	2
VIN 213 Regional Vineyard Management	2
VIN Elective (VIN 146, VIN 266)	3
VIN 293 Soils for Viticulture	3
<ul style="list-style-type: none"> • CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab or • VIN 105 Chemistry for the Winemaker 	4-5
CIS 101 Computers for Learning	3
Viticulture Core Totals	30-31
Degree Requirements	Credit Hours
Total Hours	61

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 AAS in Viticulture.

Certificate in Viticulture	Credit Hours
VIN 111 Introduction to Viticulture and Vineyard Establishment	3
VIN 212 Winter Viticulture Technology	2
VIN 214 Spring Viticulture Technology	2
VIN 215 Summer/Fall Viticulture Technology	2
VIN 112 Botanical Viticulture	4
VIN 211 Integrated Pest Management	2
VIN 213 Regional Vineyard Management	2
VIN Elective (VIN 146 or VIN 266)	3
VIN 293 Soils for Viticulture	3
VIN 105 Chemistry for the Winemaker or CHM 116 Fundamentals of Chemistry and CHM 117 Fundamentals of Chemistry Lab	4-5
CIS 101 Computers for Learning	3
Viticulture Core Totals	30-31

Selected University Policies

Policies

- [Accommodation](#)
- [Code of Student Rights and Responsibilities](#)
- [Email as Official Form of Communication](#)
- [Equal Opportunity and Affirmative Action](#)
- [Family Education Rights and Privacy Act \(FERPA\)](#)

View the entire [campus policy library](#)

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.

Glossary of Terms

This reference guide is designed to assist in defining terms frequently used at Missouri State University and in the Undergraduate Catalog.

Academic Advisor — A University employee who is committed to helping students meet their educational goals and to make informed and responsible decisions.

Academic Year — Begins in August with the fall Intersession, continues through the spring semester and concludes with the summer session.

Alumni — Individuals who have attended or graduated from a particular college or University.

Admission to Degree Program — A process required of students who have a major with specific admission requirements.

Auditing a Class — 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.

BearPass Card — Student's official University identification card.

Block — Classes meets for only the first or second half of the term (semester).

Board of Governors — Governing body for Missouri State University appointed by the Governor of Missouri.

Catalog — University's official publication of academic policies and procedures, programs of study and course offerings for a particular academic year.

Certificate — Document representing that the student has completed a University Certificate.

Change of Schedule Period — First five days of the fall and spring semester and first two days of summer session in which students can add and drop classes.

Class Schedule — An online listing of courses offered for a specific term.

College Level Examinations Program (CLEP) — Program that allows students to receive credit by

examination instead of completing a course.

Commencement — Ceremony held at the end of the spring semester, summer session and fall semester to recognize candidates for graduation.

Corequisite — Two or more courses that must be taken during the same semester.

Credit by Examination — Method of earning academic credit outside of traditional course offerings.

Credit Hour — Standard unit of measuring coursework. The unit of credit used at Missouri State is the semester hour.

Cross-Listed Courses — 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.

Darr Honors Program — Designed to serve the needs of academically talented, high-achieving students accepted into the Honors College Program.

Dean (academic) — Highest administrative officer of a college.

Dean's List — 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.

Degree Audit — Advising tool designed to assist in tracking a student's progress towards graduation.

Department Head — Administrative officer holding faculty rank; responsible for a primary unit within an academic organization.

Diploma — Document provided by the University certifying that the student has earned a degree.

Division Chair — Administrative officer holding faculty rank; responsible for a grouping of academic departments and degree programs

Dual Enrollment — 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.

Enrollment Status — Terms used for reporting a student's academic load to external agencies. (i.e., full-time, half-time, less than half-time)

Good Standing — Academic status of students who are not on probation or under suspension.

General Education Requirements — Group of foundation courses required of undergraduate students regardless of the student's major.

Grade Point — Numerical value given to grades. For example, four grade points per credit hour is awarded for a grade of "A".

Grade Point Average (GPA) — Calculation derived from dividing the grade points earned by the number of credits attempted.

Hold — 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.

Honors, Scholastic — Designation indicated on the graduates' diploma and transcript that reflects outstanding scholarship.

Identical Courses — 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.

Incomplete Grade — 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.

Internship — Work at a business or agency related to a student's major and/or career plans for which credit hours are awarded.

Intersession — Brief period (typically 1-3 weeks) between semesters when a limited number of courses are offered.

My Grizzly Den — 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.

Non-Resident — Student who does not meet requirements for classification as a Missouri resident for fee purposes in accordance with the residence policy.

Non-Traditional Student — Includes evening students, married students, students with children and students of 22 years of age or older.

Option — Subset of courses within a degree program that represent an specialized area of study. Officially approved options appear on the transcript but are not printed on the diploma.

Overload — 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.

Pass/Not Pass — Grading option that allows students to pursue coursework without affecting their GPA.

Prerequisite — 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.

Probation — Status that indicates unsatisfactory academic progress. Students may be subject to academic load limitations and other restrictions.

Program of Study — All requirements that a student must complete in order to be awarded a degree or University certificate.

Readmission — Admission process followed by a student who wishes to enroll after not taking classes for one full calendar year.

Registration Restriction — A type of prerequisite that requires student be in a specific program of study in order to take the class

Reinstatement — Process by which a suspended student appeals to return to the University.

Semester — 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.

Service Learning — Program which allows students to earn academic credit in selected courses in exchange for meaningful and productive community service.

Student Services Fees — Required fees assessed at the time of registration that cover the student's access to a variety of services, programs and activities.

Suspension — Status that prevents a student from enrolling in courses unless an exception is granted by the dean of the student's major.

Syllabus — Document describing the objectives, outcomes, assessment activities and structure of a course that is made available to students during the first week of classes.

Term — Terminology for a semester

Transcript — 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.

Transfer Credit — Courses taken at another accredited institution and accepted toward degree requirements at Missouri State.

Transfer Student — Student who has completed 24 or more transferable credit hours after high school graduation.

Tuition — The amount of money that must be paid for classes. Other fees may be assessed in addition to tuition.

"W" Grade — Indicates student withdrew from (dropped) a class without academic penalty.

Academic Policies and Procedures

Academic Policies

- [Academic Accommodation of Students with Disabilities](#)
- [Academic Freedom](#)
- [Academic Honors](#)
- [Academic Integrity](#)
- [Academic Record and Transcript of Credits](#)
- [Academic Renewal](#)
- [Academic Standings](#)
- [Adding and Dropping a Class](#)
- [Advanced Placement](#)
- [Address \(Local and Permanent\)](#)
- [Attendance](#)
- [Auditing a Course](#)
- [Cell Phones and Electronic Devices in the Classroom](#)
- [Chancellor's List and Dean's List](#)
- [China Program](#)
- [Class Disruption](#)
- [Classification](#)
- [Commencement](#)
- [Correspondence Courses](#)

- [Credit by Examination/CLEP](#)
- [Credit Hours](#)
- [Degree Program: Declaring or Changing](#)
- [Directed Studies](#)
- [Disability Support Services](#)
- [Distance Learning](#)
- [Dual Enrollment](#)
- [Educational Accessibility](#)
- [Education Guarantee](#)
- [Enrollment Deadlines](#)
- [Excess Hours: Permission](#)
- [Family Educational Rights and Privacy Act \(FERPA\)](#)
- [Final Exam Period](#)
- [Full-Time Student](#)
- [Grading and the Credit System](#)
- [Grade Appeals](#)
- [Grade Re-evaluation](#)
- [Grade Point Average](#)
- [Grade Reports](#)
- [High School Dual Credit and Dual Enrollment](#)
- [Incomplete Grades](#)
- [Instructor Drop](#)
- [Intersession Overload](#)
- [Library Policies](#)

- [Outcomes Assessment](#)
- [Pass/Not Pass Regulations](#)
- [Registration](#)
- [Repeat Policy](#)
- [Scholastic Probation and Suspension](#)
- [Second Degree](#)
- [Senior Citizen Waiver Program](#)
- [Transfer Programs](#)
- [Variable Content Courses](#)
- [Withdrawal from University](#)
- [Withdrawal from University for Military](#)

Accounting Courses

Accounting (ACC) courses

- **ACC 121 Individual Tax Return Prep**

Principles of income tax with emphasis on the preparation of returns for individual taxpayers. Attention will be given to the proper reporting of income and deduction items.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **ACC 201 Introduction to Financial Accounting**

Prerequisite: Eligibility for ENG 110 and eligibility for MTH 103 or higher, or C grade or better in MTH 050 or higher, or C grade or better in MGT 130, or C grade or better in ACC 140, or C grade or better in EPR 140.

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 which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ACC 211 Introduction to Managerial Accounting**

Prerequisite: ACC 201 and CIS 101.

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 above 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 which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **ACC 221 Tax Codes, Regltns & Payroll**

Basic Federal Tax Codes and Regulations and how they apply to individuals, proprietorships, and corporation. Procedures used in computing payroll, payroll deductions and completion of quarterly and annual tax reports. Computerized tax return preparation, payroll procedures and payroll tax return preparation. This course includes software which must be installed on the student's computer in order to complete the Individual Tax Preparation requirements for the course and the purchase of an on-line homework management application access code for the Payroll requirements which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

• **ACC 241 Intermed Accounting**

Prerequisite: ACC 211.

This course continues and enhances the discussion of Financial Accounting theory begun in ACC 201, Introduction to Financial Accounting, related to the accounting process. Review and analysis of financial statements; accounting for net income, current and long term assets, liabilities, and equity are covered in this course along with a comparison of F.A.S. B. and I.F.R.S. This course requires the purchase of an on-line homework management application access code which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **ACC 299 Internship in Accounting**

Prerequisite: ACC 211 and 24 credit hours or equivalent experience.

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.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring, Summer

Agriculture Courses

Agriculture (AGR) courses

- **AGR 100 Food Security**

Honors eligible course. An examination of politics and technology that affect food security for the United States in a global setting.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 101 Animal Science**

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

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall

- **AGR 103 Plant Science**

An introduction to the world of plant science and plant physiology including the areas of food and ornamental crops and sustainable agriculture.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 104 Plant Science Laboratory**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **AGR 143 Introductory Forestry**

Introduction to field of forestry.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **AGR 144 Agricultural Economics I**

Prerequisite: ACT Reading score of 18 or greater or a COMPASS reading score of 81 or higher or SAT verbal score of 440 or greater or C or higher in ENG 101 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. Students may not receive credit for more than one of AGR 144 and ECO 155.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

• **AGR 150 Agricultural Education**

This course is the result of an articulation agreement with the Ozark Mountain Technical Center and South Central Career Center. This course provides instruction in a variety of agriculture education topics. Students must complete three credits from the following course components: Agriculture Construction, Agriculture Power I, Agriculture Power II, Agricultural Science I, Agricultural Science II, Agricultural Structures, Animal Science I, Animal Science II, Biotechnology, Equine Science, Farm Management, Greenhouse Management, Natural Resources/Conservation, Greenhouse Operation & Management, Landscaping, Veterinary Science or other approved courses. Students must attain a "C" or better in the applicable course work in the one year program at the 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 35 credits.

Credit hours: 18 Lecture contact hours: 8 Lab contact hours: 20 **Typically offered:** Upon demand

- **AGR 155 Food Service & Culinary Arts**

This course is the result of an articulation agreement with the Ozark Mountain Technical Center and South Central Career 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 "C" or better in the applicable course work in the one year program at the South Central Career 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 36 credits.

Credit hours: 18 Lecture contact hours: 8 Lab contact hours: 20 **Typically offered:** Upon demand

- **AGR 157 Principles of Agricultural Mechanization**

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

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **AGR 163 Introduction to Hunt Seat Equestrian Competition**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **AGR 164 Introduction to Stock Seat Equestrian Competition**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 191 Eval and Perf Apprais 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: 2 Lecture contact hours: 0 Lab contact hours: 4 **Typically offered:** Upon demand

- **AGR 196 Dairy/Meat Animal Eval**

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: 2 Lecture contact hours: 0 Lab contact hours: 4 **Typically offered:** Upon demand

- **AGR 197 Spec 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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **AGR 199 Agriculture in the Ozarks**

This course will explore agriculture in the Ozarks, from a historical and modern day perspective.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 215 Soils**

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

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **AGR 216 Soils Lab**

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

Credit hours: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **AGR 230 Introduction to Agricultural Business**

This course is intended for individuals who have started or are considering starting an agricultural-based venture. The planning, start-up, organization, marketing, accounting, financing, and management of an agricultural based business are covered in this course. Special emphasis will be placed on agriculture ventures in the Ozarks.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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. 3(3-0) 3

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **AGR 243 Indoor Plants**

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

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 250 Agricultural Communications**

Prerequisite: ENG 110 and COM 115.

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

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **AGR 262 Riding for Horse Training**

Prerequisite: 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: 2 Lecture contact hours: 0 Lab contact hours: 4 **Typically offered:** Upon demand

- **AGR 263 Intermediate Hunt Seat Equestrian Competition**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **AGR 264 Intermediate Stock Seat Equestrian Competition**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **AGR 295 Service Learning in Agriculture**

Prerequisite: 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 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **AGR 297 Global Agriculture and Food Production**

Prerequisite: 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' production abilities and consumer demands. Students must submit a portfolio in this course. International/Intercultural component. Meets the capstone requirement for the AAS degrees in Enology, General Agriculture, General Technology, and Viticulture.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

• **AGR 299 Agricultural Internship**

Prerequisite: 24 credit hours or equivalent experience.

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. (1-3) F,S,Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Allied Health Courses

Allied Health (ALH) courses

- **ALH 100 Certified Nurse Assistant**

Prerequisite: 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.

Credit hours: 3 Lecture contact hours: 1 Lab contact hours: 4 **Typically offered:** Spring

- **ALH 105 Certified Nurse Asst Clinical**

Prerequisite: 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.

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 9 **Typically offered:** 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **ALH 150 Surgical Technology**

Prerequisite: Completion of an ARC/STSA Surgical Technology Program and passing the National Certification Exam for Surgical Technologists and completion of 15 credit hours of course work at Missouri State University-West Plains.

This course gives students credit toward the AAS in Allied Health degree for course work completed in an ARC/STSA accredited Surgical Technology Program.

Credit hours: 32 Lecture contact hours: 20 Lab contact hours: 36 **Typically offered:** Upon demand

• **ALH 155 Emergency Medical Technology-Paramedic**

Prerequisite: 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: 32 Lecture contact hours: 20 Lab contact hours: 36 **Typically offered:** Upon demand

• **ALH 270 Pathophysiology**

Prerequisite: BMS 110 or BMS 268.

This course provides a study of human pathological processes and their effects on homeostasis. Emphasis is on interrelationships among organ systems in deviations from homeostasis. Upon completion, students should be able to demonstrate a detailed knowledge of pathophysiology. Course topics include the etiology, physical signs and symptoms, prognosis, and complications of commonly occurring diseases and their management.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

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 A.A. degree.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **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 A.A. degree.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

Art Courses

Art (ART) courses

- **ART 98 Topics in Art and Design**

A variable content course consisting of lectures and/or studio projects. May not be used to fulfill a major requirement in the Art and Design Department. Students should consult the registration schedule of classes to determine the specific topic offered. May be repeated to a total of 6 hours. Course fee. (1-2) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 101 Three Dimensional Design**

Prerequisite: ART 100.

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

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ART 202 Intermediate Design**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 210 Introduction to Digital Imaging**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 215 Drawing II**

Prerequisite: ART 115.

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

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 223 Metals-Jewelry I**

Prerequisite: ART 101.

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

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 225 Painting I**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 226 Watercolor for Non-Art Major**

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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 235 Sculpture I**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 242 Printmaking I**

Prerequisite: ART 100, ART 115, and ART 215.

Beginning problems in printmaking.

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6

Typically offered: Upon demand

- **ART 253 Fibers**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 255 Photography I**

Prerequisite: ART 100.

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

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **ART 270 Writing in Art History**

Prerequisite: 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. International/Intercultural component.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **ART 274 History of East Asian Art**

Prerequisite: ENG 110.

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

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **AST 114 Survey of Astronomy**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **AST 115 Basic Astronomy**

Prerequisite: One year high school algebra or equivalent.

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: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Spring

Biology Courses

Biology (BIO) courses

- **BIO 100 Biological Science for Educators**

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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: 4 Lecture contact hours: 3 Lab contact hours: 3 **Typically offered:** Fall, Spring

- **BIO 101 Biology in Your World**

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **BIO 111 Understanding Biological Systems Through Inquiry**

Prerequisite: ACT Reading score of 18 or greater or COMPASS score of 81 or greater or SAT

verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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. Fulfills the required lab credit in the Natural Sciences General Education Portion (Does not count for major or minor in biology.) 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Fall, Spring

• **BIO 121 General Biology I**

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150; and placement in MTH 130 or higher, or C or better in MTH 103; and placement into ENG 110 or 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: 4 Lecture contact hours: 3 Lab contact hours: 3 **Typically offered:** Fall, Spring

• **BIO 122 General Biology II**

Prerequisite: Recommended completion of BIO 121 with a C or better.

Concurrent enrollment in BIO 121 with a C or better in BIO 101, BMS 110; ENG 110, MTH 135. 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. A grade of C or better is required to BIO 235, BIO 320, or BIO 369. Course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 3 **Typically offered:** Spring

- **BIO 197 Selected Topics in Biology**

Prerequisite: 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. Supplemental course fee (variable by section)

Credit hours: 1-4 Lecture contact hours: Lab contact hours: **Typically offered:** Upon demand

- **BIO 205 Life Science for Middle School**

Prerequisite: 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: 2 Lecture contact hours: 1 Lab contact hours: 3 **Typically offered:** Spring

- **BIO 210 Elements of Microbiology**

Prerequisite: BIO 102, BIO 121, BMS 110, BMS 267, or BMS 268; and CHM 116 (lecture) and CHM 117 (lab) or CHM 160.

Public health aspects of microbiology, particularly causes and control of infectious diseases, immunology, sterilization and disinfection, and food and water bacteriology. Students who take BIO 210 and BIO 310 receive credit toward graduation only for BIO 310. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **BIO 215 Introduction to the Diversity of Life**

Prerequisite: BIO 100, BIO 101, BIO 121 or BMS 110.

Introduction to the diversity in structure and function of protists, fungi, plants, and animals. This course is designed for B.S.Ed. students and does not count toward a B.A. or B.S. in biology.

Credit hours: 2 Lecture contact hours: 1 Lab contact hours: 3 **Typically offered:** Upon demand

- **BIO 235 Principles of Genetics**

Prerequisite: BIO 121, BIO 122 and MTH 135, MTH 138, MTH 261, or MTH 287.

An introduction of the basic concepts molecular and Mendelian Genetics and an inquiry into the basic processes of evolution.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Upon demand

Biomedical Science Courses

Biomedical Science (BMS) courses

- **BMS 110 Introduction to the Biomedical Sciences**

Prerequisite: Eligibility for both ENG 110 and MTH 135. General Education Course (Natural Sciences).

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 MSU Springfield campus and those students interested in preprofessional programs and Allied Health careers. Students will receive credit toward graduation for only one of the following: BMS 100 or 105 or 110. 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. May not be taken Pass/Not Pass. Course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **BMS 111 Introductory Laboratory in Biomedical Sciences**

Prerequisite: BIO 101 or BIO 102; and eligibility for both ENG 110 and MTH 135.

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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** 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.

- **BMS 230 Human Genetics**

Prerequisite: BMS 110, BIO 102 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. on, and discuss current topics in human genetics.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **BMS 267 Human Anatomy**

Prerequisite: C grade or better in BMS 110 or BIO 121 or prior acceptance into the West Plains ASN program.

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 or 307. Course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **BMS 268 Human Physiology**

Prerequisite: C grade or better in BMS 110 or BIO 121 or prior acceptance into the West Plains ASN program; and C grade or better in CHM 116 and CHM 117; or CHM 160.

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 or 308. Course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **BUS 297 International Business**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **CHI 102 Elementary Chinese II**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **CHI 201 Intermediate Chinese I**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **CHI 202 Intermediate Chinese II**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

• **CHI 297 Spec 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. (1-6)
D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Chemistry Courses

Chemistry (CHM) courses

- **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 105, 160, or 170. Does not count toward chemistry major or minor.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CHM 106 Fundamentals of Chemistry**

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150; and eligibility for MTH 103 or higher.

Same course as CHM 116 (lecture) except it does not include a laboratory component (CHM 117). Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry. (CHM 106 will not count toward a chemistry major or minor.) Students may not receive credit for both CHM 116 and 106. Students should be aware that CHM 106 may not satisfy the chemistry requirement for other majors.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Upon demand

CHM 116 Fundamentals of Chemistry

Prerequisites: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or IDS 150; 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 B grade or higher must be earned in order for the student to receive an Honors designation.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall, Spring, Summer

• CHM 117 Fundamentals of Chemistry Lab

Prerequisite: CHM 116 or concurrent enrollment.

Laboratory component emphasizing fundamentals and applications covered in CHM 116. Course fee.

Credit hours: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Fall, Spring, Summer

• CHM 160 General Chemistry I

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or IDS 150; and eligibility for MTH 135 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 B grade or higher must be earned in order for the student to receive an Honors designation.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall, Spring, Summer

• CHM 161 General Chemistry I Laboratory

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Fall

• **CHM 170 General Chemistry II**

Prerequisite: C grade 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. A grade of "C" or better is required in this course in order to take CHM 342, 352 or 506. This course may not be taken Pass/Not Pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

• **CHM 171 General Chemistry II Lab**

Prerequisite: CHM 170 or concurrent enrollment in CHM 170 and a 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. A grade of "C" or better is required in this course in order to take CHM 302 or 342. May not be taken Pass/Not Pass.

Credit hours: 1 Lecture contact hours: 0 Lab contact hours: 3 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **CHM 200 Essentials/Organic Chemistry**

Prerequisite: 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. A grade of C or better is required in order to take CHM 350. This course may not be taken pass/not pass.

Credit hours: 5 Lecture contact hours: 4 Lab contact hours: 3 **Typically offered:** Fall

Child & Family Development Courses

Child & Family Development (CFD) courses

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 150 Intro Child/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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 155 Prin 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 (See "Licensed Practical Nurse" in the catalog index.)

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 160 Prin of Develop in Early Chdhd**

Development of the child from conception through 8 years of age including weekly laboratory experience with preschool children. Two hours laboratory experience weekly in child development laboratory required. A negative tuberculin skin test, registration in the family care safety registry, Missouri Accreditation Education #Form, confidentiality statement, biometric time clock scanning, and medical examination report for child care providers required. This course requires registration in the family care 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.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 197 Topics in Child Development**

Variable content course for introductory concepts in Child and Family Development. May be repeated to a total of 6 hours when topics change. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CFD 204 Management of Early Childhood Programs**

Types, purposes and administration of programs for children, youth and families. Emphasizes operation and management of early childhood programs, including issues related to staffing, curriculum and program planning, funding, facilities, public relations, and licensing and accreditation.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 234 Assessment Strategies and Techniques in Early Childhood**

Assessment of young children's strengths, progress, and needs. Use of developmentally appropriate, culturally and linguistically responsive assessment methods to assist in making sound decisions about teaching and learning.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 250 Parenting in Contemp Society**

Explores parenting and child rearing in today's society.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 255 Princ of Develop in Infancy**

Child development from conception through two years, including preconception environment. Two hours laboratory experience weekly in an infant-toddler child development laboratory required. A negative tuberculin skin test, registration in the family care safety registry, Missouri Accreditation Education #Form, confidentiality statement, biometric time clock scanning, and medical examination report for child care providers is required. This course requires registration in the family care 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.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CFD 257 Prin of Develop in Mid Chldhd**

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Summer

- **CFD 260 Supvsd Exper/Chld Dev Labs**

Prerequisite: A grade of C or better in CFD 160.

Experience in applying the most effective techniques for maximum growth in the physical, social, emotional, and mental development of the whole child. Influences a safe and healthful environment upon the child's development. Four hours laboratory experience weekly in child development laboratory required. A negative tuberculin skin test, registration in the family care safety registry, Missouri Accreditation Education #Form, confidentiality statement, biometric time clock scanning, and medical examination report for child care providers is required. This course required registration in the family care 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. Course fee.

Credit hours: 4 Lecture contact hours: 2 Lab contact hours: 4 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CFD 297 Internship in Planning and Implementing Curriculum for Child Development Centers**

Prerequisite: ENG 110, COM 115, MTH 103, completion of 40 credit hours and a grade of C or better in CFD 260.

Planning and implementing curriculum to meet the cognitive, emotional, physical, creative and social developmental 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 CAAP and possibly the CLA and must submit a student learning portfolio. Six hours laboratory experience weekly in child development laboratory required. A negative tuberculin skin registration in the family care safety registry, Missouri Accreditation Education #Form, confidentiality statement, biometric time clock scanning, and medical examination report for child care providers required. This course requires registration in the family care 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. This course meets the capstone requirement for the AAS degree in Child and Family Development.

Credit hours: 5 Lecture contact hours: 2 Lab contact hours: 6 **Typically offered:** Upon demand

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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 B grade or higher must be earned in order for the Honors Program student to receive the Honors "H" designation on his/her transcript.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **COM 209 Survey of Communication Theory**

A survey of selected theoretical approaches to understanding mediated and non-mediated human communication.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 1 **Typically offered:** Upon demand

Computer Graphics & Programming Courses

Computer Graphics & Programming (CGP) courses

- **CGP 110 Game Development I**

Prerequisite: Eligible for MTH 103 and either ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 or a Math COMPASS score of 81 or higher or departmental permission.

Introduction to concepts of video game design and development. Working independently as well as in a team, students will learn to develop and design gameplay for video game production. Students must earn a C or better in CGP 110 to progress into CGP 220. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

- **CGP 120 Web Development I**

Prerequisite: CGP 145, or CGP 145 concurrently, eligible for MTH 103 or higher and either ACT Reading score of 18 or grater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 or departmental permission.

Introduction to the key concepts of developing web content for the World Wide Web, a critical element of successful e-business systems. Provides extensive hands-on experience of an introductory nature in several important web technologies such as HTML, XHTML, CSS, XML, and scripting languages (e.g., JavaScript and/or VBScript) along with Adobe Dreamweaver Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

• **CGP 130 Web Development II**

Prerequisite: CGP 120, CGP 145, grade of C or better in both or departmental permission.

A study of the design and development of web sites using HTML editors (such as Adobe Dreamweaver), graphics packages and multimedia packages. The student will learn to create and deploy professional-grade web sites. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 145 Introduction to Computer Programming**

Prerequisite: Eligible for MTH 103 or higher and either ACT Reading Score of 18 or greater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 155 Flash Development**

Prerequisite: Grade of C or better in CGP 145 or departmental permission.

A comprehensive introduction to the key concepts of Adobe Flash development using Action Script. Students will learn how to develop interactive applications for deployment to the internet and mobile devices. Course fee. 3(2--2) S

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CGP 160 Introduction to 3D Modeling and Animation**

Prerequisite: Eligible for MTH 103 or higher and either ACT Reading score of 18 or greater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 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 C or better in CGP 160 to progress into CGP 250. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CGP 170 3D Game Environments**

Prerequisite: Eligible for MTH 103 or higher and either ACT Reading score of 18 or greater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 or departmental permission.

Students learn 3D modeling and texturing concepts as related to 3D game environments. Primarily using Photoshop and 3ds max, students learn to create realistic textures from photo source and a variety of techniques to portray game worlds. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **CGP 180 Intro to Multimedia Audio**

Students learn introductory skills needed to create multimedia audio using a variety of software tools. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** 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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CGP 200 Mobile Game Development**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

• **CGP 210 SQL Database Management**

Prerequisite: Grade of C or better in CIS 251 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

• **CGP 220 Game Development II**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

• **CGP 230 Web Development III**

Prerequisite: Grade of C or better in CGP 130.

Continuing coverage of the key concept of developing intermediate to advanced web sites for the World Wide Web within the context of e-business using HTML editors (such as Adobe Dreamweaver). Provides extensive hands-on experience of an advanced nature in several important web technologies such as HTML, XHTML, CSS, XML ASP, and scripting languages (e.g., JavaScript and/or VBScript.) The student will be expected to develop a working e-business

web site.Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

• **CGP 240 Mobile Application Development**

Prerequisite: A grade of C or better CGP 251 or CGP 255, or departmental permission.

An introduction to the process of mobile applications development. 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.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 250 3D Character Modeling and Animation**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 251 Application Development I**

Prerequisite: Grade of C or better in CGP 145.

This course seeks to enhance the student's previous computer skills through an introduction to the key concepts of object technology and the fundamentals of the C# programming language. Projects using C# involve the development of Windows applications and/or games. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 252 Networking and Operating Systems Essentials**

An introductory course on networks, operating systems and related hardware. Topics include elements of hardware, operating systems and network operating systems. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **CGP 255 Graphics Programming I**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **CGP 260 Advanced 3D Modeling and Animation**

Prerequisite: 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 267. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CGP 261 Application Development II**

Prerequisite: Grade of C or better in CGP 251.

This course is a continuation of the study of object technology and the C# programming language. Projects using C# involve the development of stand-alone and web based applets. Topics include graphical user interfaces, forms designer, exception handling, input handling, inheritance, arrays, graphics, and file I/O. an introduction to HTML is covered to support web server based applications. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CGP 262 Network Clients & Servers**

Prerequisite: CIS 252.

Introduction to client and server operating systems, installation, hardware and environment, resource access and security, management and optimization, internet connections and Web resources, data availability and recovery. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CGP 263 Introduction to Scripting**

Prerequisite: CGP 250 and CGP 255.

Students will utilize scripting to create projects using 2D & 3D graphics and game development engines.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CGP 265 Graphics Programming II**

Prerequisite: 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 C or better in CGP 265 to progress into CGP 267. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CGP 270 Virtual Media Entrepreneurship**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **CGP 297 Computer Graphics and Programming Capstone**

Prerequisite: Completion of 40 credit hours including CGP 260, CGP 265, CGP 267, ENG 210 or ENG 221, MTH 103 or higher (except MTH 197), 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 globalization of and to the Video 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 the CAAP

and other university assessment activities and must submit a student learning portfolio. Although no points will be awarded for these activities, failure to complete any of them 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. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

• **CGP 299 Internship in Computer Graphics and Programming**

Prerequisite: 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. (1-3) F,S,Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Computer Information Systems Courses

Computer Information Systems (CIS) courses

- **CIS 100 Beginning Computers**

Elementary computer applications course introduces the basics of computer operations including terminology and concepts, and which emphasizes the hands-on operation of personal computers. Topics to be covered include basic operation of the operating system including file operations, basic word processing, basic spreadsheets, use of the Internet, and e-mail.

Credit hours: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** 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 by proficiency exam.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **CIS 111 Word Proc & Presntatn Software**

Prerequisite: CIS 101.

This course will cover advanced word processor topics such as styles, outlines, tables, table of contents, form letters, mailing labels, integration with other applications, integration with the WWW, customizing the word processor software, macros, advanced forms and managing long documents. The course will also cover advanced presentation software topics including inserting outlines from a word processor, templates, using charts and graphics, and producing a presentation.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **CIS 140 Intro to the Internet**

An introductory course on using the internet. The course introduces students to e-mail and the

World Wide Web.

Credit hours: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Upon demand

- **CIS 197 IntroTopics/Comp Info 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CIS 200 Critical and Creative Thinking Using Information Technology**

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.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CIS 202 Program Design and Develop**

Prerequisite: CIS 121 or ACT Math score greater than 19 or COMPASS math score greater than 65 on the Algebra test.

A study of structured program design, concepts and techniques related to the development of computer programs.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CIS 212 Personal Comp sys in Bus**

Prerequisite: CIS 101.

This course will cover intermediate to advanced topics in word processing, spreadsheets, databases, and additional topics as time permits.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **CIS 224 Windows Prog with Dev Tools**

Prerequisite: CGP 145.

An introduction to development of computer applications using rapid developmental tools such as Visual C#. Emphasis on designing and managing graphical user interfaces, procedures, file management, debugging and testing.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

- **CIS 232 Spreadsheets**

Prerequisite: CIS 101.

This course will cover advanced spreadsheet software topics including lists, integration with other applications, integration with the WWW, developing an application, multiple worksheets and workbooks, data tables, importing data, enhancing the spreadsheet software with a programming language, the use and the application of PivotTables, and additional optional topics.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Spring**

- **CIS 242 Database Management**

Prerequisite: CIS 101.

This course will cover advanced database management software topics such as advanced queries, custom forms, custom reports, integrating the DBMS software with other programs, HTML documents, Data Access Pages, action queries, Briefcase Replication, macros, enhancing the DBMS software with a programming language, and optional topics such as database design as time permits.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Fall**

- **CIS 250 Adv Windows Prog w/Apps**

Prerequisite: CIS 224.

A comprehensive course on advanced programming techniques in the Windows programming environment. Students will study advanced programming (using Visual C#) and will incorporate multimedia, the Internet, and advanced database programming techniques in their programs.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered: Upon demand**

- **CIS 272 Managing/Network Envrnmnt**

Prerequisite: CIS 262.

A course on managing network clients and servers. Topics include network management overview, configure network computers, active directory administration, network connectivity, name resolution, group policy, software deployment, remote and Internet access, administering Web resources.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CIS 299 Internship/Computer Info System**

Prerequisite: 24 credit hours or equivalent experience.

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. (1-3) F,S,Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Computer Science Courses

Computer Science (CSC) courses

- **CSC 125 Introduction to C++**

Prerequisite: C grade or better in CGP 145 - Introduction to Computer Programming or Placement into MTH 135 - College 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: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Upon demand

- **CSC 210 Public Affairs Issues in Computing**

This course will focus on public affairs in computing. Students will consider the debate between public access to data verses privacy and the rights and responsibilities of government and corporations with regard to data and privacy. Sources of data, open government data initiatives, data and computer system protection will also be investigated. Cultural factors influencing computer use, including technology use by indigenous cultures and how governments view internet control will also be covered in this course.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

Computer Technology Core Courses

Computer Graphics & Programming (CTC) courses

- **CTC 110 Introduction to Graphics Illustration**

An introduction to design graphics. Subjects to be covered are production of graphics for electronic documents, the Web and print media. Specifically, scanning photographs, optimizing graphics, restoring, retouching, and combining photographs will be covered in addition to applying special effects to graphics.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **CTC 150 Computer Hardware for Technicians**

A course that presents the essential skills to properly install, configure, upgrade, troubleshoot and repair microcomputer hardware. Topics include foundational PC components, adding devices to the computer, input/output devices, storage devices, communications and networking devices.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CTC 197 Special Topics/Comp Technology**

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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **CTC 210 Advncd Graphics Illustration**

Prerequisite: CTC 110.

This is an advanced course in graphic design and production. Topics to be covered include graphic design, computer graphics, electronic page composition, digitizing data, printing techniques, post-press fundamentals, web page design, and interactive multimedia design and production.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CTC 255 Project Management**

This course 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. Students may not receive credit for more than one CTC 255 and TEC 255.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CTC 257 Cmptr Ntwrkng for Technicians**

A course that presents networking for technicians. Topics include introduction to networking, the OSI model, physical and data link standards, upper-layer protocol suites, managing network access, network administration tips

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **CTC 259 Oprtng Systems for Technicians**

A course that provides technicians with essential operating systems skills. Topics include introduction to operating systems, installing and upgrading an operating system, booting, configuring an operating system, file systems, installing and configuring programs, networking, and safeguarding resources.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

Criminal Justice Courses

Criminal Justice (CRM) courses

- **CRM 210 American Criminal Justice Syst**

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **CRM 270 Instit/Comm 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Upon demand

Design Courses

Design (DES) courses

- **DES 202 Graphic Design Systems**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

- **DES 210 Intro to Computer Graphics**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

Diagnostic Medical Sonography Courses

Diagnostic Medical Sonography (DMS) courses

- **DMS 101 Introduction to Sonography**

Prerequisite: BMS 110 or BMS 267.

Introduction to diagnostic medical sonography. Major areas of study include how diagnostic sonography produces an image, sonography terminology, the sonographer's role, introduction to transducers, bioeffects, and to normal anatomy of the body parts of student's chosen study. (Online)

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 110 Abdominal Sonography I**

Prerequisite: BMS 110 or BMS 267; and DMS 101.

This course is a study of the cross-sectional anatomy of the abdominal organs and their normal pathological appearance on ultrasound. Scanning techniques, transducer selection and scanning protocols are also a focus of this course. (Online)

Credit hours: 5 Lecture contact hours: 5 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 115 Practicum I**

Prerequisite: DMS 101.

Practical workplace training of the various sonographic exams. An individualized learning plan is developed for each student. This is the student's practical externship/internship. Includes 448 hours of practicum.

Credit hours: 7 Lecture contact hours: 0 Lab contact hours: 28 **Typically offered:** Fall

DMS 120 Small Parts and Misc Sonograph

Prerequisite: BMS 110 or BMS 267; and DMS 101.

This course includes the study of small parts sonography in the areas of thyroid and scrotum. Classroom instruction in the anatomy and sonographic appearance of muscles, tendons, retroperitoneum, and special procedures in sonography.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **DMS 125 Practicum I**

Prerequisite: DMS 115.

Practical workplace training of the various sonographic exams. An individualized learning plan is developed for each student. This is the student's practical externship/internship. Includes 224 hours of practicum.

Credit hours: 7 Lecture contact hours: 0 Lab contact hours: 28 **Typically offered:** Summer

- **DMS 200 Abdominal Sonography II**

Prerequisite: BMS 110 or BMS 267; and DMS 110.

This course is a continuous study of Abdominal Sonography I focusing on various pathology of the abdominal structures. Various normal and abnormal abdominal cases will be presented to the student with the student being required to list the findings using sonographic terms and making a final diagnosis.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 201 Vascular Technology**

Prerequisite: BMS 110 or BMS 267; and DMS 101.

This course is a study of the cerebrovascular and peripheral vascular system by imaging and non-imaging methods that are common to a vascular lab. Doppler flow analysis, pulsed, color, and power Doppler techniques are other topics that are covered.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 210 Prin & Instr for Gen & Cardio**

Prerequisite: BMS 110 or BMS 267; and DMS 101.

This ultrasound physics course is a detailed study of how ultrasound produces our image and how it interacts with tissue. It includes the various transducer designs, construction, and operation. An introduction to Doppler physics, quality assurance and safety issues are also covered.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 215 Practicum I**

Prerequisite: DMS 125.

Practical workplace training of the various sonographic exams. An individualized learning plan is developed for each student. This is the student's practical externship/internship. Includes 448 hours of practicum.

Credit hours: 7 Lecture contact hours: 0 Lab contact hours: 28 **Typically offered:** Fall

- **DMS 220 Obstetric & Gyn Sonography**

Prerequisite: BMS 110 or BMS 267; and DMS 101. This course is a study of the female pelvic organs in the non-gravid and gravid conditions and how normal and abnormal anatomy appears on ultrasound. The course includes the study of normal and abnormal fetus as evaluated by sonography. (Online)

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **DMS 221 Practicum I**

Prerequisite: DMS 215.

Practical workplace training of the various sonographic exams. An individualized learning plan is developed for each student. This is the student's practical externship/internship. Includes 448 hours of practicum.

Credit hours: 7 Lecture contact hours: 0 Lab contact hours: 28 **Typically offered:** Spring

- **DMS 225 Practicum I**

Prerequisite: DMS 221.

Practical workplace training of the various sonographic exams. An individualized learning plan is

developed for each student. This is the student's practical externship/internship. Includes 224 hours of practicum.

Credit hours: 7 Lecture contact hours: 0 Lab contact hours: 28 **Typically offered:** Summer

- **DMS 297 Prof Dev in Sonography**

Prerequisite: BMS 110 or BMS 267; and DMS 101.

This course is a study of professional issues in diagnostic medical sonography to include patient care experience, professional organizations, ethics, and medical legal issues. Students will be required to participate in graduation requirements of MSU-WP. These may include the CAAP test, the CLA survey, and the graduation portfolio. (Online)

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall, Spring

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ECO 155 Principles of Macroeconomics**

Prerequisite: ACT Reading score of 18 or greater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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. A student may not receive credit for more than one of AGR 144 and ECO 155.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ECO 165 Principles of Microeconomics**

Prerequisite: ACT Reading score of 18 or greater or COMPASS Reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **ECO 170 Mini Economics I**

Course devoted to a single contemporary topic that can vary from semester to semester depending upon student and faculty interest. Topics are limited to those requiring no prior economics training. Students should check the current registration 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 2 hours credit. Variable Content Course.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

• **ECO 197 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **ECO 200 Consumer Economics**

Economic problems of concern to the individual and the household and practice in the use of consumer aids. This course does not count as an elective towards the Economic Major at SMSU-Springfield.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **ECO 270 Mini Economics II**

Prerequisite: ECO 155.

Course devoted to a single contemporary topic that can vary from semester to semester depending upon student and faculty interest. Topics generally are limited to those of macroeconomic nature. Students should check the current registration 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 2 hours credit. Variable Content Course.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **EDU 202 Teaching Profession/Field Expr**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 1 Lab contact hours: 4 **Typically offered:** Upon demand

- **EDU 258 Comprehensive School Health Ed**

Methods, activities, materials, and knowledge base necessary to enable classroom teachers to effectively teach and support a comprehensive program of school health.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **EDU 297 Rural Education in a Global Society**

Prerequisite: 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, EDS 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. 2 (2-0) F/S/Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

English Courses

English (ENG) courses

- **ENG 100 Introduction to College Composition**

Prerequisite: Required of some students as determined by scores on placement tests.

An introduction to the composition sequence: the purpose of whole compositions, the processes that lead to finished compositions, and the parts that combine to create 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 C or higher. Students must earn a C or better in ENG 100 to pass and progress into ENG 110.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ENG 101 Integrated Developmental Reading and Writing**

Prerequisite: 17 or below on the ACT Reading sub score or 80 or below on the COMPASS; and placement in ENG 100.

English 101 Integrated Reading and Writing will satisfy the requirements for Reading 125 and 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 17 or below on their reading ACT sub score. Students must receive a C or better in this courses in order to progress to ENG 110.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ENG 110 Writing I**

Prerequisite: A grade of C or better in ENG 100 or ENG 101 or placement into ENG 110.

Critical reading and writing skills applicable to writing within and beyond the college community.

Emphasis on composition processes, research methods, argumentation of diverse issues, and collaborative learning, such as peer review. A grade of C or better is required in this course in order to take ENG 210 or ENG 221.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **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. (1-3) F,S

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **ENG 200 Introduction to Literature**

Prerequisite: ENG 110. General Education Course (Humanities).

Investigation of the roles that literature plays in shaping, preserving, and contesting culture and society. Study of literacy in the broadest sense and its impacts over a variety of time periods and cultures.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ENG 203 Creative Writing:Poetry**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **ENG 205 Creative Writing: Nonfiction**

Prerequisite: A grade of C or better in ENG 110.

An introduction to writing creative nonfiction, including critical reading in the genre.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 210 Writing II: Academic Writing**

Prerequisite: A grade of C or better in ENG 110 Study practice of the discourse conventions of academic writing 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ENG 215 Creative Writing:Short Story**

Prerequisite: A 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 D in ENG 110 may appeal to the department chair for admission to this course through a portfolio of work.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **ENG 220 Exposition**

Prerequisite: A grade of C or better in ENG 110.

Problems in exposition and persuasion; elementary logic, critical reading.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 221 Writing II: Writing for the Professions**

Prerequisite: A grade of C or better in ENG 110.

Practice in a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions. Emphasis on developing skills in audience analysis, analytical reading, critical thinking, research methods, and clear writing. Additional course work will be required for 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **ENG 225 Creative Writing: Playwriting**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 230 Intro Reading in Literature**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 231 Major Writers of English**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **ENG 232 Ozarks Writers**

Prerequisite: 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. 3(3-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **ENG 234 Literature/Chldrn & Yng Adults**

Prerequisite: 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. 3(3-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **ENG 235 Critical Approaches to Lit**

Prerequisite: ENG 110.

Writing analytical papers employing a variety of critical methods of reading and interpreting poetry, fiction, and drama.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 236 Minorities in Literature**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 280 Short Story**

Prerequisite: ENG 110.

Analysis and appreciation of the short story and the study of its development.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 283 Folklore & Cultural Engagement**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **ENG 285 Subjects in Folklore**

Prerequisite: 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 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 288 Lit of Work:Readings in Prof**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **ENG 296 Introduction to Linguistics**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **EPR 121 Accounting Software Applications**

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, reports and forecasts. This course includes software which must be installed on an off campus computer accessible to the student in order to complete the requirements for the course.

Credit hours: 3 Lecture contact hours: 1 Lab contact hours: 4 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 140 Accounting for Small Business**

This survey of accounting is designed for the entrepreneur who needs an overview of both

Financial Accounting, the basic accounting cycle and the creation of the three main financial statements and Managerial Accounting, including capital investing, budgeting, cost analysis, and performance evaluation and for those A.A.S. programs which require only 1 semester of accounting. This course is not designed for students in the A.A.S. Business Management of Business Accounting degree program and cannot be substituted for ACC 201 or ACC 211. This course requires the purchase of an on-line homework management application access code which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **EPR 150 Marketing for Small Businesses**

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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 160 Legal Issues for Entrepreneurs**

This course will focus on legal issues pertaining to small businesses, including forms of business organization, contracts, intellectual property protection, trademarks, copyrights, patents, and human resource issues.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 175 Introduction to Social Entrepreneurship**

Students will learn about social entrepreneurship, how to develop solutions to social problems and how social entrepreneurship can make an impact on the lives of others.

- **EPR 180 Local Interpretive Implementation**

This course will introduce students to the history and principles of interpretation, audience assessment and needs, how to correlate goals and measurable objectives, and effectively identify, plan and present thematic programs. Students may select from available service-based learning opportunities with approved community partners. Students use interactive methods to interpret environmental and cultural heritage. Students will explore interpretive career pathways. 3(2-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **EPR 185 Interpretive Guide Certification**

Prerequisite: EPR 180.

This course is a certification program that provides students with the knowledge and experience, cultural and environmental heritage interpretation. Students will gain technical competency of interpretation professionals and study the principles, practices and skills that are the expected standards of professional interpreters. Students will complete the National Certified Interpretive Guide exam and independently create and present a 10-minute oral interpretative presentation in accordance with the strict guidelines of NAI. Certification is contingent upon passing the CIG exam and the interpretative presentation. Course completion does not guarantee certification. Students must be at least 16 years of age in order to apply for CIG certification. Course fee.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **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 if the topics differ. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **EPR 225 Business Technology**

This course covers technological innovation, and how to effectively acquire, utilize, and manage technology to improve the business' competitiveness and opportunities for success.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 240 Family Business Management**

This course explores the unique issues involved in managing and working in a family business. Topics include family dynamics, communications, legal and financial aspects, governance, conflict resolution, non-family member employment, bringing new family members into the business, succession, transfer of leadership and ownership, and sustaining profitability.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 245 Charitable Organizations**

This course will focus on 501(c)(3) charitable organizations with particular attention to the types of organizations which can and cannot qualify for 501(c)(3) status. Further, the course will also outline some of the benefits of 501(c)(3) status, as well as many of the legal requirements for maintaining 501(c)(3) charitable status. Students will become familiar with key legal issues which are critical to 501(c)(3) charitable organizations.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **EPR 260 Funding Acquisition**

This course introduces students to various funding sources for starting or expanding a small business. Students will learn how to evaluate funding opportunities and determine which type is best for their business and how to prepare effective funding requests.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Spring

- **EPR 290 Business Plan Development**

Prerequisite: EPR 110 or concurrent enrollment.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

• **EPR 295 Service Learning in Entrepreneurship**

Prerequisite: 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **EPR 299 Internship in Entrepreneurship**

Prerequisite: 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. (1-3) F,S,Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Environmental Science Courses

Environmental Science (ENV) courses

- **ENV 105 Environmental Science**

Prerequisite: ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150.

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: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

Food and Culinary Arts Courses

Food and Culinary Arts (FCA) courses

- **FCA 150 Culinary Arts I**

Prerequisite: Completion of an approved culinary arts certificate program.

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: 12 Lecture contact hours: 12 Lab contact hours: 0 **Typically offered:** Upon demand

- **FCA 155 Culinary Arts II**

Prerequisite: 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: 12 Lecture contact hours: 12 Lab contact hours: 0 **Typically offered:** Upon demand

- **FCA 160 Culinary Arts**

Prerequisite: C grade or better in an approved 900 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 C or better in the applicable course work in the 900 clock hour program at the South Central Career 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. Course may be repeated up to 24 credit hours.

Credit hours: 12 Lecture contact hours: 12 Lab contact hours: 0 **Typically offered:** Upon demand

- **FCA 297 Special Topics in Culinary Art**

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 six credit hours if the topics differ.

Credit hours: 1-6 Lecture contact hours: Lab contact hours: **Typically offered:** Upon demand

Finance Courses

Finance (FIN) courses

- **FIN 266 Principles of Real Estate**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **FIN 280 Introduction to Financial Management**

Prerequisite: EPR 140 or ACC 201.

Develops a conceptual understanding of investment and financing decisions toward maximizing the business owner's wealth. Exposes the student to the environment in which financial decisions are made and examines the analytical techniques used in finance. It is recommended that a student completes ECO 155 prior to or concurrently with FIN 280. This course requires the purchase of an on-line homework management application access code which can be purchased with the printed textbook or in association with an e-textbook.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

French Courses

French (FRN) courses

- **FRN 101 Elementary French I**

CBE. Essentials of French language emphasizing the development of speaking, listening, reading, and writing within a culturally relevant context. International/Intercultural component.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **FRN 102 Elementary French II**

Prerequisite: A grade of C or better in FRN 101.

Continuation of FRN 101. International/Intercultural component. CBE

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **FRN 297 Special Topics in French**

Prerequisite: 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. International/Intercultural component. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Fire Science Courses

Fire Science (FST) courses

- **FST 102 Haz Materials Awareness & Ops**

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **FST 106 Fire Fighter I & II**

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: 8 Lecture contact hours: 8 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **FST 260 Fire Officer I**

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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

• **FST 270 Fire Service Instructor II**

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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** 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 A.A. degree.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **GRY 108 Ecology and Society**

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 sciences for the A.A. degree.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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 A.A. degree.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** 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 A.A. degree.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **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: 1-3 Lecture contact hours: Lab contact hours: **Typically offered:** 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: 4 Lecture contact hours: 2 Lab contact hours: 4 **Typically offered:** Spring

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 A.A. degree.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Spring

- **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 A.A. degree.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** 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 A.A. degree.

Credit hours: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** 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: 1-3 Lecture contact hours: Lab contact hours: **Typically offered:** Upon demand

German Courses

German (GRM) courses

- **GRM 101 Elem German I**

CBE. 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **GRM 102 Elem German II**

Prerequisite: 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. CBE

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **GRM 201 Intermediate German I**

Prerequisite: 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. CBE

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

GRM 202 Intermediate German II

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Health Information Technology Courses

Health Information Technology (HIT) courses

- **HIT 100 Introduction to Health Information Technology**

This course is a comprehensive study of the health information management profession and the health record. It introduces the student to the development of the HIM profession as well as the history, structure and function of the American Health Information Management Association. The structure, content, and standards of the paper-based and electronic health record are also covered in this course. Emphasis is placed on health care data sets, data collection, storage and retrieval. Specialized health records, indexes and registries will be described and their functionality explained.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **HIT 110 Medical Billing/Coding I**

Prerequisite: HIT 100.

This course teaches the principles of medical billing, and hospital based medical coding. The course will teach proper claims submission and payment processing as well as beginning coding for hospital and physician based practice.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **HIT 115 Health Systems**

This course provides a survey of how healthcare and public health are organized and services delivered in the US. It covers public policy, relevant organizations and their interrelationships, professional roles, legal and regulatory issues, and payment systems.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **HIT 200 Comparative Health Records Sys**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **HIT 201 Healthcare Quality Management**

Prerequisite: HIT 100, CIS 101.

This course provides advanced study of the application of quality improvement tools, evaluation of documentation standards, utilization and risk management, and credentialing. Students will analyze data and create reports to support facility-wide quality initiatives including quality assessment and management tools, Utilization and resource management, Risk management, and Disease management process.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **HIT 210 Medical Billing/Coding II**

Prerequisite: HIT 110.

The course is a continuation of HIT Coding I with an emphasis upon advanced coding theory. The focus will be on the ICD-10-CM/PCS coding processes. Topics will include the sequencing process; validation of coding, and the identification of discrepancies between coded data and documentation. Discussion of the critical necessity of quality in specialized coding and the MS-DRG reimbursement methodologies, including regulatory compliance utilizing federal reimbursement and reporting requirements will be highlighted.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **HIT 220 Medical Billing/Coding III**

Prerequisite: HIT 100, 110, 210 (or concurrent enrollment). In this course, the student will utilize medical coding and billing principles while on site at a health care agency. Classroom hours combined with agency placement will allow the student to practice hands on under the guidance of a clinical preceptor. Students will be onsite for a total of 90 preceptor clinical hours. Clinical preceptors to be arranged by the departmental director or internship coordinator. The course will

prepare students for the CCS certification examination through the professional review guidance established by AHIMA in the classroom.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

• **HIT 260 Lgl/Ethical Aspects/Healthcare**

Prerequisite: HIT 100.

This course provides students a study of legal and ethical issues in healthcare with a focus on practical applications in health information management. Topics include managing access and disclosure of personal health information and promoting ethical standards of practice.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **HIT 297 Professional Practice in HIT**

Prerequisite: HIT 210, HIT 220.

This course encompasses a supervised professional practice experience in an affiliated health-related agency providing 90 practicum hours under the direction of a preceptor and is required of all students seeking the AAS in HIT. The course provides a culminating experience for the HIT program and includes some non-course educational experiences. Professional topics related to the field of Health Information Technology and issues in global health policy and leadership will be presented. This course is communications and/or writing intensive and includes instructional components on basic concepts of financial literacy, responsible planning and necessary financial skills. Students will be required to participate in the CAAP and possibly the CLA and must submit a student learning portfolio. Although no points will be awarded for these activities, failure to complete any of them 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.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall, Spring

Health, Arts & Science Courses

Health, Arts & Science (HLH) courses

- **HLH 195 Intro to 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **HST 121 Survey of US History to 1877**

CBE. 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **HST 122 Survey of US History Since 1877**

CBE. 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 B grade or higher must be earned in order for the student to receive an Honors designation.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **HST 197 Special Topics in History**

This is a variable content course. May be repeated to a total of six hours if topic changes. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **HST 226 Intro to 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

Honors Program Courses

Honors Program (HNR) courses

- **HNR 150 Honors I Seminar**

Prerequisite: 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 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 "B" grade 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered: Fall**

- **HNR 250 Honors II Seminar**

Prerequisite: 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 "B" grade 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered: Spring**

- **HNR 292 Directed Study in Honors**

Prerequisite: 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 "B" grade 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **HNR 297 Honors Capstone**

Prerequisite: 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 B grade 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

Instructional Media Technology Courses

Instructional Media Technology (IMT) courses

- **IMT 265 Instructional Apps Tech/Media**

Prerequisite: EDU 202 and either CIS 101 or Competency Test. Principles and techniques for selection and utilization of computer and video systems 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

Insurance Courses

Insurance (INS) courses

- **INS 211 Insurance**

Prerequisite: 24 credit hours.

Principles and functions of property, casualty, and life insurance with applications in both personal and business situations.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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. 2 or 3(2-0, 3-0) F,S

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **IDS 111 Peer Leadership**

Prerequisite: IDS 110 and permission of Coordinator of Interdisciplinary Studies.

This course offers experience in working (a) with an IDS 110 instructor to achieve the course objectives, facilitate class discussions, present information, and provide feedback on assignments, and (b) with students to get their feedback, serve as a role model, help students adjust to Missouri State University-West Plains and maximize their potential. May be repeated for a total of 3 hours.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **IDS 150 College Reading & Study Skills**

Designed to equip first-time college students with the reading and study skills necessary to obtain their educational objectives. IDS 150 offers a more in-depth study of these skills than is offered in IDS 110. IDS 150 is open to all students wanting to improve their reading and study skills and is required of any student who scores below 18 on their Reading ACT sub score or of any student

with and ACT composite score below 18 or a SAT Verbal Score below 440 or with a COMPASS Reading score less than 81.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **IDS 187 Tutor Training**

Prerequisite: 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: 3 Lecture contact hours: 1 Lab contact hours: 4 **Typically offered:** Fall

• **IDS 250 Academic Service Learning**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

• **IDS 275 Resident Assistant Seminar**

This course id designed to enhance the skills of the current Resident Assistants and to train those who want to be RA's in the future. The course will teach them how to deal with situations that occur in a normal residence hall and prepare them to be RA's at their next institution.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

• **IDS 280 Student/Life Leadership**

Prerequisite: COM 205 or COM 115.

This course will focus upon the study and practical application of student and student organization leadership skills and the knowledge of campus and community resources. Students will become actively involved in leadership as they participate in individual and group learning experiences.

Credit hours: 1 Lecture contact hours: 0 Lab contact hours: 1 **Typically offered:** Upon demand

• **IDS 297 Topics in Globalization**

Prerequisite: 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 ENG 210 or ENG 221.

Required of all students seeking the AA in General Studies and of selected AAS 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 will be required to participate in the CAAP and possibly the CLA and must submit a student learning portfolio. Although no points will be awarded for these activities, failure to complete any of them 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 content change on a space-available basis. 2(2-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **JRN 270 Introduction to Journalism**

Prerequisite: ENG 110.

Study of the purposes and forms of journalism. Includes writing the basic types of stories. Typing skills required.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **KIN 135 Selected Activities**

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. 1(0-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Law Courses

Law (LAW) courses

- **LAW 231 Legal Environment of Business**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered: Fall**

Language & Literature Courses

Language & Literature (LLT) courses

- **LLT 100 Elem 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **LLT 102 Scientific/Medical Terminology**

A study of technical terminology as derived from Greek and Latin elements. Does not fulfill any language requirement.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **LLT 197 Select Topics/Lang. or Lit.**

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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

-

LLT 201 Masterpiece of Continental Lit

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 B grade or higher must be earned in order to receive an Honors designation. 3 (3-0) F, odd years.

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **LLT 202 Mjr 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

Law Enforcement Courses

Law Enforcement (LWE) courses

- **LWE 110 CII: The Art of Documentation**

Techniques of interviewing and writing the report. Legal considerations for criminal interrogation. Course utilizes basic report forms and records systems.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **LWE 120 Basic Jail Officer Academy**

Prerequisite: Must be admitted into the Missouri Sheriffs' Association Basic Jail Officer Academy Program.

The Basic Jail Officer Academy covers a broad range of topics including: state and federal detention laws, jail population management, prisoner rights and privileges; defense tactics, reports, and human relations. A student may not receive credit for LWE 120 and LWE 130 or LWE 131. Course Fee.

Credit hours: 6 Lecture contact hours: 4 Lab contact hours: 4 **Typically offered:** Fall, Spring

- **LWE 130 Basic Jail Officer Academy I**

Prerequisite: The student must be admitted into the Missouri Sheriff's Association Basic Jail Officer Academy Program.

The Basic Jail Officer Academy covers a broad range of topics including: state and federal detention laws, jail population management, prisoner rights and privileges; defense tactics, reports, and human relations. A student may not receive credit for LWE 120 and LWE 130 or LWE 131. Course Fee. 3(2-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

LWE 131 Basic Jail Officer Academy II

Prerequisite: The student must be admitted into the Missouri Sheriff's Association Basic Jail Officer Academy Program.

The Basic Jail Officer Academy covers a broad range of topics including state and federal detention laws, jail population management, prisoner rights and privileges; defense tactics, reports, and human relations. A student may not receive credit for LWE 120 and LWE 130 or LWE 131.

Course Fee. 3(2-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• LWE 190 Basic Law Enforcement Academy I

Prerequisite: Concurrent enrollment in LWE 130.

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. 12(12-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• LWE 191 Basic Law Enforcement Academy II

Prerequisite: LWE 190 and concurrent enrollment in LWE 131. 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. 12(12-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• LWE 197 Special Topics/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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• LWE 210 CSI and Photography

Course instructs students in the fundamentals of photography as it relates to investigation of crime scenes and documentation of evidence.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **LWE 250 Police Supervision Mngmt**

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **LWE 297 Foundations of Public Law**

Prerequisite: ENG 110 and completion of 40 credit hours.

An introduction to the study of US public law. Covers major concepts of law, legal reasoning and the legal process; provides a comparative and historical perspective on the US Constitution and public law. Highlights the basic issues of law, administration, enforcement and social policy. Has an international component. Capstone course for the Law Enforcement AAS degree. A student will not receive credit for both LWE 297 and PLS 251.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring (odd-numbered years)

- **LWE 299 Law Enforcement Internship**

Prerequisite: 24 credit hours or equivalent experience.

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. (1-3) F,S,Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

Management Courses

Management (MGT) courses

- **MGT 120 Introduction to Management**

CBE. 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MGT 210 e-Commerce**

This course introduces students to the technology and business requirements of successful e-Commerce ventures. Historical examples of successful and unsuccessful e-Commerce ventures provide the student with a background of what to do and what not to do in the area of e-Commerce. Coverage of e-Commerce technology, web-sites, business models, marketing, ethics, regulations, security, and privacy provide a well-rounded course for anyone desiring to learn about e-Commerce.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MGT 286 Business Communications**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **MGT 299 Intrnshp in Business Mngmt**

Prerequisite: 24 credit hours or equivalent experience.

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.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring, Summer

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MKT 155 Introduction to Retailing**

This course provides students with a basic understanding of retailing strategies, competition, consumer behavior, advertising, merchandise display, pricing, and modern retailing trends. Theory will be related to practical application, and the course will include examples of modern retailing applications.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MKT 252 Introduction to Salesmanship**

Overview of selling as a process that provides benefits to both buyers and sellers. Course includes emphasis on retail and industrial presentations.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **MKT 253 Introduction to Advertising**

Study of advertising industry in relation to our economy--its impact on buying habits, communication styles, and media usage.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **MKT 297 Topics in Marketing I**

A variable content course with topics that can change from semester to semester. Selected topics of contemporary interest are identified in the schedule of classes. Examples are: Packaging, product liability, futures market, industrial marketing, and new product development. May be repeated to a total of 4 hours. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Mathematics Courses

Mathematics (MTH) courses

- **MTH 15 Fundamentals of Mathematics**

This course is designed to develop an understanding of fundamental operations using whole numbers, fractions, decimals, and percentages and to strengthen basic skills in mathematics. This course is planned primarily for students who need to review basic mathematical processes essential for success in subsequent algebra courses. Calculators will not be used in this course so as to strengthen these necessary basic skills. Credits for this course will not count toward a major or minor in mathematics, will not satisfy general education requirements and will not count toward total credit hours for graduation. This course may not be taken pass/not pass.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **MTH 20 Pre-Algebra (Math Lab Class)**

This is a developmental mathematics course designed to strengthen students' basic math skills and prepare them for success in Algebra. Topics studied will include operations with fractions, decimals, integers, and polynomials; evaluating expressions; solving linear equations; and a few applications of linear equations. Various hands-on activities and teaching strategies will be utilized to help students master these concepts. Credits for this course will not count toward a major or minor in mathematics, will not satisfy general education requirements and will not count toward total credit hours for graduation. A grade of C or better is required in order to take MTH 030. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MTH 30 Beginning Algebra (Math Lab Class)**

Prerequisite: MTH 020 or placement into MTH 030 or higher.

This is a developmental mathematics course designed to strengthen students' basic algebra skills and prepare them for success in other algebra courses. These concepts include operations with Real Numbers, simplifying numeric and algebraic expressions, operations with polynomials,

factoring, solving linear equations and inequalities, solving application problems and an introduction to graphing. Credits for this course will not count toward a major or minor in mathematics, will not satisfy general education requirements, and will not count toward total credit hours for graduation. A grade of C or better is required in this course in order to take MTH 100 or MTH 103. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

• **MTH 50 Introduction to Algebra**

Prerequisite: MTH 020 or placement into MTH 050.

This is a developmental mathematics course designed to strengthen students' basic algebra skills and prepare them for success in other algebra courses. While MTH 030 allows students to progress at their own pace, MTH 050 utilizes a traditional lecture format to cover a predetermined amount of course material during each class. Topics covered will include: operations with real numbers, solving linear and basic quadratic equations and inequalities, application problems, operations with polynomials, factoring, and an introduction to graphing and rational expressions. Credits for this course will not count toward a major or minor in mathematics, will not satisfy general education requirements, and will not count toward total credit hours for graduation. A grade of C or better is required in this course in order to take MTH 100 or MTH 103. Students who pass MTH 030 should not take MTH 050. However, students who have dropped or failed MTH 030 may take MTH 050 and if a higher grade is earned it will replace the lower MTH 030 grade. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

• **MTH 100 Intermediate Applied Mathemati**

Prerequisite: C grade or better in MTH 030 or MTH 050, or placement into MTH 100 or higher.

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, Geometry and Basic Trigonometry. Solving linear equations and using formulas 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 C or better is required in this course in order to take MTH 130. This course does not serve as a prerequisite for MTH 135 and credits for this course will not count toward a major or minor in mathematics and 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. 3(3-0) or 3(2-2) F/S.

- **MTH 103 Intermediate Algebra**

Prerequisite: C grade or better in MTH 030 or MTH 050 or placement into MTH 103 or higher.

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 education requirements. A grade of C or better is required in this course in order to take MTH 135, MTH 138, or MTH 130. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MTH 103B Intermediate Algebra**

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 education requirements. A grade of C or better is required in this course in order to take MTH 135, MTH 138, or MTH 130. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MTH 130 Contemporary Mathematics**

Prerequisite: C grade or better in MTH 100 or MTH 103, or placement into MTH 130 or higher.

This is a problem solving course centering on the following topics: number theory/algebraic properties and applications, set theory, symbolic logic, geometry, probability, and statistics. Students not having taken MTH 100 or MTH 103 should have two units of high school algebra and an approved score on a departmental placement test. This course will not count toward a mathematic major or minor and may not be taken pass/not pass. A grade of C or better is required in this course in order to take MTH 220.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MTH 135 College Algebra**

Prerequisite: C grade or better in MTH 103 or placement into MTH 130 or higher.

Topics include: problem solving, polynomial, rational, exponential, and logarithmic functions, equations, inequalities and their applications; coordinate geometry, including conic sections and systems of equations/ inequalities; and an introduction to sequences and series. Students not having taken MTH 103 should have two units of high school algebra and an approved score on a departmental placement test. A student who takes MTH 135 and MTH 138 receives credit toward graduation for only one of the courses. This course will not count toward a mathematics major or minor. A grade of C or better is required in this course to take MTH 181, 285, or 287.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MTH 138 Pre-Calculus Mathematics**

Prerequisite: C grade or better in MTH 103 or placement into MTH 138 or higher.

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 135 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.
5(5-0) F

Credit hours: 5 Lecture contact hours: 5 Lab contact hours: 0 **Typically offered:** Fall

- **MTH 181 Trigonometry**

Prerequisite: C grade or better in MTH 135 or placement into MTH 181 or higher.

Topics include: circular and triangular trigonometry and applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations; complex numbers; vectors; conic sections; parametric equations; and polar coordinates. Students not having taken MTH 135 should have two units of high school algebra, one unit of high school geometry, and an approved score on a departmental placement test. Students not meeting prerequisite must have permission of the instructor to enroll. A student may not receive credit for more than one of MTH 138 and MTH 181. The course will not count toward a 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **MTH 220 Found of Math for Teachers**

Prerequisite: C grade or better in MTH 130 or MTH 135.

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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **MTH 240 Statistical Methods**

Prerequisite: MTH 130 for 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **MTH 260 Found of Geometry for Teach**

Prerequisite: C grade 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall, Spring

• **MTH 261 Analytic Geometry/Calculus I**

Prerequisite: C grade or better in MTH 138 or C grade or better in MTH 135 and MTH 181, or placement into MTH 261.

Topics include: analytic geometry of the plane, limits, continuity, differentiation with applications, introductory integration with applications. Students not having taken MTH 181 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 B grade or higher must be earned in order for the Honors Program student to receive the Honors designation on his/her transcript.

Credit hours: 5 Lecture contact hours: 5 Lab contact hours: 0 **Typically offered:** Fall

• **MTH 280 Analytic Geom/Calc II**

Prerequisite: C grade 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: 5 Lecture contact hours: 5 Lab contact hours: 0 **Typically offered:** Spring

• **MTH 285 Calc for Bus/Social Sciences**

Prerequisite: C grade or better in MTH 135 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MTH 292 Multivariate Calculus**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **MTH 297 Math 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

Media Courses

Media (MED) courses

- **MED 120 Intro 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: 3 Lecture contact hours: 2 Lab contact hours: 1 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

Military Science Courses

Military Science (MIL) courses

- **MIL 101 Intro to Military Science**

This course focuses on Army organization, customs and courtesies, leadership and basic pistol and rifle marksmanship. Students will get the opportunity to handle, learn the maintenance and proper way to fire both civilian and U.S. Army small arms weapons, as well as spend one-two weeks learning Army rappelling techniques.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall

- **MIL 102 Intro to Basic Military Skills**

Overview leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. You will explore dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

- **MIL 211 Basic Military Skills and Techniques**

Prerequisite: Departmental Permission.

Introduction to techniques of survival in various situations and climates, and pistol marksmanship.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 1 **Typically offered:** Fall

- **MIL 212 Military Fundamentals Practicum**

Prerequisite: Departmental Permission.

The class is designed for the military science student who desires accelerated instruction on rifle marksmanship, communications, map reading (to include the compass), and patrolling. The

student will be required to wear a military uniform and meet Army appearance standards.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 1 **Typically offered:** Spring

Music Courses

Music (MUS) courses

- **MUS 162 Collegiate Choral**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **MUS 172 Small ensemble**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **MUS 206 Interrelated & Integrated Arts**

Prerequisite: 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. Students who receive credit for this course will not receive credit for THE 306, DAN 306, or ART 306.

Credit hours: 3 Lecture contact hours: 1 Lab contact hours: 4 **Typically offered:** Spring

- **MUS 239 Intro 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **MUS 262 Collegiate Choral**

Prerequisite: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** Fall, Spring

Nursing Courses

Nursing (NUR) courses

- **NUR 100 Fundamentals of Nursing**

Prerequisites: Admission to the MSU-West Plains ASN program, placement in MTH 130 or MTH 138; and a C grade or better in MTH 103, MTH 130 , MTH 135, or MTH 138;; and C grade or better in CHM 116, CHM 117, and ENG 110. . Licensed Practical Nurses who have been admitted to the LPN-to-RN program may receive advanced credit for NUR 100. (See "Licensed Practical Nurse" in the catalog index.) 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: 8 Lecture contact hours: 5 Lab contact hours: 9 **Typically offered: Fall**

- **NUR 101 Nur Sys for Adult Client I**

Prerequisite: A grade of C or better in NUR 100, BMS 267, and 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: 8 Lecture contact hours: 5 Lab contact hours: 9 **Typically offered: Spring**

- **NUR 190 Transitions Course for the LPN-RN**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** 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. (1-3) F,S

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• **NUR 201 Nur Sys/Promotn of Mental Hlth**

Prerequisite: A grade of C or better in NUR 100 and NUR 101 or NUR 190, or co-requisite of NUR 101 or NUR 190. A grade of C or better in PSY 121 is also required. Emphasis is on the design of nursing systems for clients with mental health and psychosocial health deviations. Opportunities are given to students for application of evidence based nursing knowledge in a clinical setting as well as in the nursing laboratory. A Z grade may be assigned if the student cannot complete the arranged clinical practicum within the designated term. Course Fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 3 **Typically offered:** Spring, Summer

• **NUR 202 Pharmacology**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

• **NUR 204 Nurs Sys for Adult Client II**

Prerequisite: A 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: 9 Lecture contact hours: 5 Lab contact hours: 12 **Typically offered:** Fall

• **NUR 212 Nurs Systems for the Family**

Prerequisite: A 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: 9 Lecture contact hours: 5 Lab contact hours: 12 **Typically offered:** Spring

• **NUR 220 Current Trends/Issues in Nur**

Prerequisite: A 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

• **NUR 221 Preparation for the NCLEX-RN**

Prerequisite: NUR 204, NUR 212, "I" in NUR 220.

Preparation for the National Council Licensure Examination - Registered Nurse. Includes content review, test-taking strategies, and personal preparation. 1(1-0) Su, Intersession

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Philosophy Courses

Philosophy (PHI) courses

- **PHI 105 Logic,Lang/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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PHI 106 Elem 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PHI 110 Introduction to Philosophy**

Prerequisite: An ACT Reading score of 18 or higher; 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **PHI 115 Introduction to Ethics**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **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:**

Physics Courses

Physics (PHY) courses

- **PHY 100 Survey of Physics with Laboratory**

Prerequisite: 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: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **PHY 101 Physics by Inquiry for Eductrs**

This course is only open to students planning to enter the BS in Elem. Ed. Completion Program or planning to receive the Child Development degrees. Will fulfill natural science component of the AA in General Studies. Science content includes mechanics, optics, heat, This course will not count toward any AAS degree. electricity and magnetism. Students will increase their understanding of the nature of science. Course fee.

Credit hours: 4 Lecture contact hours: 2 Lab contact hours: 4 **Typically offered:** Fall, Spring

- **PHY 102 Survey of Physics**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PHY 123 Introduction to Physics I**

Prerequisite: 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. 4(3-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **PHY 124 Introduction to Physics II**

Prerequisite: A 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: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Upon demand

- **PHY 197 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **PHY 203 Foundations of Physics I**

Prerequisite: Concurrent enrollment or prior credit for MTH 280 or MTH 288 and CIS 101.

First two semesters in basic calculus physics. Lecture and laboratory topics covered include mechanics, semesters in basic calculus physics. Lecture and laboratory heat, and sound. A grade of C or better is required in this course to take PHY 204. This course may not be taken pass/not pass. Course fee.

Credit hours: 5 Lecture contact hours: 3 Lab contact hours: 4 **Typically offered:** Upon demand

- **PHY 204 Foundations of Physics II**

Prerequisite: A grade of C or better in PHY 203 and either MTH 280 or MTH 288.

Continuation of PHY 203 with lecture and laboratories covering electricity, magnetism, and optics.
Course fee.

Credit hours: 5 Lecture contact hours: 3 Lab contact hours: 4 **Typically offered:** Upon demand

Political Science Courses

Political Science (PLS) courses

- **PLS 101 American Democracy/Citizenship**

CBE. 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 B grade or higher must be earned in order for the student to receive an Honors designation.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **PLS 102 Intro/American Public Policy**

Prerequisite: PLS 101.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PLS 103 Missouri Government/Politics**

This course is a requirement for transfer students who have taken PLS 101, American Government, in another state. Requirement was mandated by the Missouri General Assembly. Special course dealing with functions and organizations of Missouri state and local government. Students may be assigned selected projects on Missouri politics. 1(1-0) SO Intercession

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

PLS 169 Introduction/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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

• PLS 205 Countries & Cultures:Comp Govt

An introductory comparative study of the principles, techniques and policy issues of government in constitutional democracies and authoritarian regimes. The course 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 Community. Students will not receive credit for both PLS 205 and IDS 297 Introduction to Comparative Government: Topics in Globalization.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

• PLS 232 International Relations

Conflict and cooperation in the 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.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

• 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

Psychology Courses

Psychology (PSY) courses

- **PSY 121 Introductory Psychology**

CBE. 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 or higher must be earned in order for the student to receive an Honors designation.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **PSY 197 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Upon demand

- **PSY 200 Psychological Statistical Methods**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PSY 201 Experimental Psychology**

Prerequisite: PSY 121 and PSY 200.

Psychological methodology; major emphasis on experimentation.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

• **PSY 203 Introduction to Research**

Prerequisite: PSY 121 and MTH 135.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **PSY 250 Analysis/Interpersnl Behavior**

Prerequisite: PSY 121.

Ongoing processes of interpersonal behavior. Observation and experience as participant of a self-analytic group in the human relation laboratory.

Credit hours: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Upon demand

• **PSY 260 Educational Psychology**

Prerequisite: PSY 212.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring, Summer

• **PSY 274 Abnormal Psychology**

Prerequisite: PSY 121.

A survey of abnormal/deviant behavior with emphasis on theories, causes, treatment, and prevention.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **PSY 280 Student Development**

Prerequisite: 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: 4 Lecture contact hours: 4 Lab contact hours: 0 **Typically offered:** Spring

- **PSY 285 Dev Early Chldhd & Elem Sch Ch**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

Quantitative Business Analysis Courses

Quantitative Business Analysis (QBA) courses

- **QBA 237 Basic Business Statistics**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

Reading Courses

Reading (RDG) courses

- **RDG 170 Student Literacy Corps**

Prerequisite: Concurrent enrollment with RDG 171 and permission. Available to students who wish to develop the skills needed to teach adults to read.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **RDG 171 Lab for RDG 170**

Prerequisites: 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: 1 Lecture contact hours: 0 Lab contact hours: 2 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **REL 101 Intro to the Old Testament**

Literature of the Old Testament including the historical backgrounds and major concepts of these books.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **REL 102 Intro to the New Testament**

Literature of the New Testament including the historical backgrounds and major concepts of these books.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **REL 103 History of the English Bible**

The ancient manuscript of the Bible; early versions; evaluation of recent translations.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Real Estate, Insurance & Law Courses

Real Estate, Insurance & Law (RIL) courses

- **RIL 232 Debtr/Creditr Rghts & Remedies**

Prerequisite: LAW 231.

Legal aspects of financial transactions. The rules of law governing financial transactions in today's business and personal affairs. Topical areas include commercial paper, secured transactions, and bankruptcy.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered: Spring**

- **RIL 235 Bus Entrprses, Rghts/Liablties**

Prerequisite: LAW 231 Legal alternatives in the structuring of the business enterprise and its relationship with employees.

Topical areas include personal property, bailments, real property, leaseholds, intellectual property rights, franchises, sole proprietorships, partnerships, corporations, and agency and employment law.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered: Spring**

Respiratory Therapy Courses

Respiratory Therapy (RST) courses

- **RST 110 Body Structure and Function for Respiratory Care**

Prerequisite: Acceptance into the AAS in Respiratory Care program.

A course that presents the structure and function of the human body. Intended to give the student a background for understanding how the body functions in states of health and disease. 3(3-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **RST 120 Introduction to Respiratory Care/ The Respiratory Care Professional**

Prerequisite: Acceptance into the AAS in Respiratory Care program.

A course that presents the art, science, history and profession of respiratory care. Introduces the role of the respiratory therapist in the health care setting. This course has a lab component with a course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **RST 121 Microbiology/Respiratory Care**

Prerequisite: RST 120. Aspects of microbiology as it pertains to Respiratory Care, particularly causes and control of infections, diseases, immunology, sterilization, and disinfection.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Summer

- **RST 122 Respiratory Pharmacology**

Prerequisite: RST 120.

A course that presents the principles of pharmacology, pharmacology of the respiratory system,

routes of medication delivery and drugs used in the treatment of respiratory diseases.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Summer

- **RST 123 Pulmonary Disease I**

Prerequisite: RST 120.

A course that presents the etiology, pathophysiology, treatment and management of restrictive and obstructive pulmonary diseases.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall

- **RST 124 Cardiopulmonary Anat/Physiolog**

Prerequisite: RST 120.

A course intended to support the learning of the structure and function of the heart and lungs and the impact they play on patient welfare in clinical practice. 3(3-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **RST 132 Mechanical Ventilation I**

Prerequisite: RST 120.

A course that introduces the theory of invasive and non-invasive mechanical ventilation, and a foundation course for terminology and concepts related to mechanical ventilation application. This course has a lab component and a course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **RST 210 Resp Equip & Therapeutics**

Prerequisite: RST 120.

A course that presents to the student the ways in which medical gases are manufactured, stored, and delivered; the administration and management of oxygen; hyperbaric oxygen; humidity and aerosol therapy; secretion clearance techniques and airway management. This course has a lab component and a course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Summer

- **RST 223 Pulmonary Disease II**

Prerequisite: RST 123 and RST 124.

A course that presents the etiology, pathophysiology, treatment, and management of restrictive and obstructive pulmonary diseases. Emphasizes role of methods used to prevent/diagnose, treat/reduce effects of pulmonary diseases in order to improve the patient's daily functioning.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

- **RST 232 Mechanical Ventilation II**

Prerequisite: RST 124, RST 124, and RST 132.

A course that presents special topics in mechanical ventilation, its application in neonatal, pediatric and adult patients, and management of the patient/ventilator system.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **RST 245 Cardiopulmonary Diagnostics**

Prerequisite: RST 123, RST 124, RST 132 and RST 210. A course that presents pulmonary function analysis, arterial blood gases, pulse oximetry, capnography, diagnostic imaging, electrocardiography and review of the patient history and assessment. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **RST 250 Neonatal Pediatric Respiratory Care**

Prerequisite: RST 123, RST 124, RST 132, and RST 210.

A course that presents the theory and application of the physiology, pathophysiology, monitoring and care of neonatal and pediatric patients, including laboratory values and physical examination.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

- **RST 260 Resp Care Special Procedures**

Prerequisite: RST 245.

A course that presents special procedures performed or assisted by respiratory therapists including bronchoscopy, polysomnography, chest tubes, hyperbaric oxygen chamber, infant apnea

monitoring, trauma, and tracheostomy care.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Summer

• **RST 270 Disease Management**

Prerequisite: RST 123, RST 223,, and RST 260.

A course that presents the importance of early identification of disease processes, daily monitoring, and adherence to treatment protocol. the benefit of patient education and special programs such as cardiopulmonary rehabilitation is covered.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall

• **RST 280 Clinical Practicum I**

Prerequisite: RST 120, RST 122, RST 132, and RST 210.

The integration of theoretical knowledge and psychomotor skills designed to unite classroom instruction with laboratory and clinical instruction. The clinical practicum provides the student with clinical experiences and supervised application of concepts/skills learned the classroom and laboratory setting.

Credit hours: 6 Lecture contact hours: 0 Lab contact hours: 18 **Typically offered:** Fall

• **RST 281 Clinical Practicum II**

Prerequisite: RST 280.

The integration of theoretical knowledge and psychomotor skills designed to unite classroom instruction with laboratory and clinical instruction. Clinical practicum allows students to perform clinical procedures while being supervised in order to become a safe and proficient respiratory professional.

Credit hours: 6 Lecture contact hours: 0 Lab contact hours: 18 **Typically offered:** Spring

• **RST 282 Clinical Practicum III**

Prerequisite: RST 281.

The integration of theoretical knowledge and psychomotor skills designed to unite classroom instruction with laboratory and clinical instruction. Clinical practicum allows students to perform

clinical procedures while being supervised in order to become a safe and proficient respiratory professional.

Credit hours: 4 Lecture contact hours: 0 Lab contact hours: 12 **Typically offered:** Summer

• **RST 283 Clinical Practicum IV**

Prerequisite: RST 282.

The integration of theoretical knowledge and psychomotor skills designed to unite classroom instruction with laboratory and clinical instruction. Clinical practicum allows students to perform clinical procedures while being supervised in order to become a safe and proficient respiratory professional.

Credit hours: 6 Lecture contact hours: 0 Lab contact hours: 18 **Typically offered:** Fall

• **RST 297 Advncd Respiratory Care Theory**

Prerequisite: RST 210, RST 232, RST 245, and 260.

A course that presents the essential skills to develop a respiratory care treatment plan including patient/family education, sleep apnea diagnostics, respiratory care in the home and respiratory protocols using evidence-based medicine. This course will be conducted concurrently with Clinical Practicum IV during which the student will be required to prepare patient case studies. Students must submit a portfolio for this capstone course. This course has a lab component with a course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 2 **Typically offered:** Fall

Social Work Courses

Social Work (SWK) courses

- **SWK 212 Introduction to Social Work**

Prerequisite: SOC 150.

The historical development, philosophy, and values of the profession of social work. Examines practice interventions with individuals, families, groups, and communities. Introduction to various social agency settings and types of clientele served. A grade of C or better is required in this course in order to be considered for into the Social Work Program and to enroll in SWK 309, 410, 420 or 430. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered: Fall**

- **SWK 219 Human Diversity**

Prerequisite: SWK 212, 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. SWK 300 may be taken concurrently.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered: Fall, Spring**

- **SWK 222 Human Behavior and the Social Environment**

Prerequisite: 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. A grade of C or better is required in this course in order to be considered for admission into the Social Work Program and to enroll in SWK 309, 410, 420, or 430. This course may not be taken pass/not pass.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

Sociology Courses

Sociology (SOC) courses

- **SOC 150 Principles of Sociology**

CBE. 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **SOC 152 Social Problems**

Prerequisite: SOC 150.

Sociological perspectives on contemporary social issues and problems in American society.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **SOC 271 The Community**

Prerequisite: SOC 150.

The range and structure of territorially based social systems such as neighborhoods, towns, hamlets, prisons, and utopias.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **SOC 275 Sociology of Rural Life**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **SOC 276 Sociology of Aging**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **SOC 284 Social Movements**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **SOC 290 Sociology of Gender Roles**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **SOC 297 Special Topics**

Prerequisite: 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Special Education Courses

Special Education (SPE) courses

- **SPE 250 Education of Exceptional Learners**

Prerequisite: 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

Spanish Courses

Spanish (SPN) courses

- **SPN 101 Elementary Spanish I**

CBE. 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Fall

- **SPN 102 Elementary Spanish II**

Prerequisite: A 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. CBE

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Spring

- **SPN 201 Intermediate Spanish I**

Prerequisite: A 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. CBE

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **SPN 202 Intermediate Spanish II**

Prerequisite: A 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: 3 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** Upon demand

- **SPN 297 Special Topics in Spanish**

Prerequisite: 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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

Technology Courses

Technology (TEC) courses

- **TEC 100 Survey of Electronics**

Prerequisite: Eligible for MTH 103 or higher and either ACT Reading score of 18 or greater or COMPASS reading score of 81 or greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 or departmental permissions.

A survey of electronics including electrical and electronic safety. Ohms Law, passive and active devices, amplifiers, digital fundamentals, and communications systems.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall

- **TEC 105 Technology's Impact on Society**

Technological progress of agriculture and industry and its socio-economic impact in a global environment.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **TEC 111 Manufacturing Materials and Processes**

Prerequisite: Eligible for MTH 103 or higher and either ACT Reading score of 18 or greater or COMPASS reading score of 81 for greater or SAT verbal score of 440 or greater or C or higher in ENG 101 or IDS 150 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **TEC 120 Career Center Variable Content**

Prerequisite: C grade or better in an approved 450 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. Approved programs from the Ozark Mountain Career Center include Auto Body Repair, Auto Mechanics, Carpentry, Computer Installer & Repair and Welding Technology. 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.

Credit hours: 12 Lecture contact hours: 12 Lab contact hours: 0 **Typically offered:** Upon demand

• **TEC 123 Employment in Manuf Occupation**

An introduction to shop safety, new hire best-practices, communications skills, manufacturing tools, maintenance practices, work stations and equipment rigging & lifting. Course fee.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **TEC 165 Manufacturing Machine Technology**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **TEC 175 Welding Technology**

Prerequisite: Grade of C or better in TEC 111 or departmental permission.

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. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **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. (1-6)
D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **TEC 200 Alternative Energy-Electricity and Electrons**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Fall

- **TEC 220 Technology Management**

Covers technological innovation, and how to effectively acquire, utilize, and manage technology to improve the business' competitiveness and opportunities for success.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **TEC 245 Mech Systems & Fluid Power**

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 moter sheaves. Additionally, includes pump and valve operations as well as fluid contamination and control. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **TEC 250 Safety Management**

Accident causes and efficts, OSHA, workers' compensation, accident investigation, safety audits, safety promotion and training, and safety hazards and their prevention.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **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. Students may not receive credit for both TEC 255 and CTC 255.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **TEC 260 Alternative Energy-Biofuels**

Prerequisite: TEC 200 or concurrently, 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **TEC 265 Alternative Energy-Solar**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **TEC 270 Alternative Energy-Wind**

Prerequisite: 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: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Spring

- **TEC 275 Automated Manufacturing**

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. Course fee.

Credit hours: 3 Lecture contact hours: 2 Lab contact hours: 2 **Typically offered:** Upon demand

- **TEC 299 Technology Internship**

Prerequisite: 24 credit hours or equivalent experience.

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: 1-3 Lecture contact hours: Lab contact hours: **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **THE 109 Performance Studies**

Honors eligible course. 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 humanites-related content and their performance and literary values. The Honors component would be a project prepared by the student that would result in a 30 to 60 minute program to entertain the audience. The material would meet the approval of the instructor. The program would be presented to a live audience or over community cable. A B grade or higher must be earned in order for the Honors Program student to receive the Honors "H" designation on his/her transcript. International/Intercultural component.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall (even-numbered years)

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** 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. (1-3) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

Viticulture Courses

Viticulture (VIN) courses

- **VIN 105 Chemistry for the Winemaker**

Prerequisite: Permission.

Emphasis on chemical fundamentals, organic, biochemistry, and applications with a particular focus on the grape and wine industry. Recommended for students needing one semester of general chemistry as a prerequisite for VIN 268 Wine and Must Analysis. 4(3-2) Fa, Sp, Su

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Spring

- **VIN 111 Intro Vitic & Vineyard Estabmn**

Prerequisite: Permissions.

This course is designed to introduce students to viticulture in general and to current practices for establishing a commercial vineyard. Topics covered include varietal selection, site preparation, equipment, site selection, first season establishment, vine growth development and training, trellis systems, weed control, vine disease control, and pruning for training purposes. Students are required to partner with an approved vineyard to participate in the required field experience portion of the course. Course fee.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

VIN 112 Botanical Viticulture

This course is a survey of the plant kingdom, including plant cells and tissues, as well as the ecology, morphology, physiology and life cycles of representative plants of each division. In addition, this course will focus on grapevine biology, vine structures and their functions. Course fee.

Credit hours: 4 Lecture contact hours: 3 Lab contact hours: 1 **Typically offered:** 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **VIN 132 Finance Accounting/Wine Business**

This course covers industry specific accounting and reporting for wine business profit and loss statements and balance sheets, assets and depreciation, intangibles, cost segregation and inventory costing. It also examines best practices in winery business management, including key performance indicators and other winery expenses. Using financial ratios and benchmarking are explored for internal management reporting. 3(-0) F,S

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **VIN 134 Survey of Vitic/Enol/Wine Bus.**

This course will review basic grape growing and wine making principles. An overview of viticulture, fermentation, winery operations, the physiology of wine consumption, wines produced in major wine-producing regions and the sensory evaluation of wine will be covered. The goal of this course is to provide the student with basic viticulture and enology education that can be applied to the business aspects of a wine business.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Fall, Spring

- **VIN 146 Introduction to Enology**

Prerequisite: Permission.

This is an introductory course 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. This course is part of VESTA's viticulture and enology program with emphasis on the practical aspects of winemaking. Students must be at least 21 years of age to enroll in this course.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 148 Winery Sanitation**

Prerequisite: VIN 146 or permission.

This is a course in the basic science and technology of winery sanitation. The course serves as an introduction to wine microbiology and covers all methods used for winery sanitation including premises, tanks, 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. The course will include lectures, demonstrations and field based projects.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 160 Winery Equipment Operations**

Prerequisite: VIN 146 or permission.

This course covers process technologies and process systems that are used in modern commercial wineries. The course will include lectures, demonstrations and field based projects. 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 174 Wines of the World**

This is a course intended for those individuals who wish to further their understanding of wine styles and builds on the knowledge developed in VIN 266, Sensory Evaluation. It is appropriate for

commercial winemakers who wish to understand how the wines that they produce compare and contrast with the most popular and important wine styles around the globe. It will also 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 further their sensory evaluation skills and techniques.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 190 Vineyard Safety**

This course provides an introduction to safety and procedures specific to viticulture (grape growing). This course will include general history of agriculture safety and health issues, ergonomics, OSHA safety rules and safety issues and concerns.

Credit hours: 1 Lecture contact hours: 1 Lab contact hours: 0 **Typically offered:** Spring

- **VIN 197 Spcl Tpcs/ Viticulture & 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. (1-6) D

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **VIN 202 Legal Aspects/Vin & Winery Ops**

Prerequisite: 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 vineyard/winery owner or manager, identify and discuss governmental agencies and regulations affecting 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 212 Winter Viticulture Technology**

Prerequisite: VIN 111 or permission.

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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Upon demand

- **VIN 213 Regional Vineyard Management**

Prerequisite: VIN 111 or 113 or VIN 114 or VIN 115 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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 214 Winter Viticulture Technology**

Prerequisite: VIN 111 or permission.

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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Upon demand

- **VIN 215 Summer/Fall Viticulture Techno**

Prerequisite: VIN 113 (recommended) or VIN 114 (recommended) 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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Upon demand

- **VIN 246 Intermediate Enology/Harvest Crush**

Prerequisite: 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. Basic organic chemistry, microbiology, and some mathematics familiarity are recommended. Students are required to partner with an approved winery to participate in the required field experience portion of the course. Prior completion of VIN 105 is recommended. Course Fee.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Fall

- **VIN 247 Winter/Spring Intermediate Enology**

Prerequisite: 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. Basic organic chemistry, microbiology, and some mathematics familiarity are recommended. Students are required to partner with an approved winery to participate in the required field experience portion of the course. Prior completion of VIN 105 is recommended. Course fee.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Spring

- **VIN 250 Vine Equipment Tech/Entrepreneur**

Prerequisite: VIN 130, VIN 132, and VIN 134, or VIN 111 or VIN 146.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 251 Grapes-Market/Grower Relations**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

This course explores how to market wine grapes. During the course the students will learn how to identify markets for their grapes, how to develop and nurture relationships with wineries and other buyers, how to develop grower and winery marketing opportunities, how to write contracts, how to negotiate contracts and how to set prices and how to forecast grape demand by watching market trends in this constantly changing environment.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 255 Financial Management/Vineyard**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

Vineyard Management explores the interconnectedness between vineyard inputs, the dollars spent, and how to maximize profits. The class will help you to recognize and develop your own personal system to measure your inputs versus outputs in relationship to your vineyard health and performance, grape quality, and your buyers' expectations. The class will also give you examples on how to negotiate and write grape purchase agreements and planting contracts, and how to develop a seasonal budget.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

• **VIN 257 Wine Production Internship**

Prerequisite: 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: 3 Lecture contact hours: 0 Lab contact hours: 6 **Typically offered:** Fall

- **VIN 259 Cellar Operations Technology**

Prerequisite: VIN 257 or permission.

This course is designed to provide students initiated in the field of enology with actual and practical exposure to the technology of wine making as is performed during the passive vineyard periods associated with winter. The student is expected to improve his understanding of the methods and science involved by on-site participation in each of the various activities associated with finished wine production. The course is designed to serve as actual practical exposure and may qualify as experience for those seeking employment in commercial enology. Course fee.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 260 Winery Equip Tech/Entrepreneur**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

This course covers process technologies and process systems that are used in modern commercial wineries. Overview of winemaking systems including winemaking operations and equipment, barrel aging and barrel management, membrane separation processes, specialized contracting systems, cleaning and sanitation systems, process control systems refrigerations systems, air conditioning and humidity systems, electrical systems, waster water systems, solid waste handling and work place safety.

Credit hours: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 266 Sensory Evaluation**

Prerequisite: 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 ot 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 268 Wine and Must Analysis**

Prerequisite: VIN 146 and VIN 105 or CHM 116 and CHM 117 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 will participate in workshops and hands on experiences at participating wineries. Course fee.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 271 Advanced Winery Marketing**

Prerequisite: VIN 130, VIN 132 and (VIN 134 or VIN 111 or VIN 146).

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 275 Financial Management/Winery**

VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146. This course integrates wine production with the management of a winery and its strategic business units. Wine marketing, financial management, strategic winery business management, legal structures, leadership, organization development and the breadth of the value chain are all examined as these relate to an actual winery.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 276 Advanced Tasting Room Management**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 280 Winery Establishment & Design**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

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: 2 Lecture contact hours: 2 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 285 HR Issues/Commercial Vin/Winery**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146. 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 290 Winery Safety**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

This course provides an introduction to safety and procedures specific to enology (wine making). 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 winery. D 2(2-0)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**

- **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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** Upon demand

- **VIN 295 Dev Bus. Plan/Comm Vnyrd,Wnry**

Prerequisite: VIN 130, VIN 132 and VIN 134 or VIN 111 or VIN 146.

Students will 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: 3 Lecture contact hours: 3 Lab contact hours: 0 **Typically offered:** 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: 2 Lecture contact hours: 1 Lab contact hours: 2 **Typically offered:** Fall, Spring

- **KIN 135 Selected Activities**

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. 1(0-2)

Credit hours: Lecture contact hours: Lab contact hours: **Typically offered:**