Missouri State University-West Plains

Information Science & Technology

Associate of Applied Science in Information Science and Technology

The Associate of Applied Science in Information Science & Technology is designed to prepare students for careers in the information science & technology fields. This academic guide is based on the 2023-2024 Missouri State University-West Plains Catalog. The time to complete the degree will vary, depending on remediation, summer enrollment, number of classes taken per semester, etc.

Degree Requirements

General Education Requirements	Credit Hours
CIS 101 Computers for Learning	3
COM 115 Fundamentals of Public Speaking	3
ENG 110 Writing I	3
MTH 136 Pre-Calculus 1	3
IDS: Select two (2) credit hours	
IDS 110 Student Success	
IDS 115 Career Exploration	2
Writing II: Select three (3) credit hours	
ENG 210 Writing II: Academic Writing	
ENG 221 Writing II: Writing for the Professions	3
Civics: Select three (3) credit hours	
HST 121 Survey of US History to 1877	3
HST 122 US History Since 1877	
PLS 101 American Democracy and Citizenship	
General Education Total	**20**

Information Technology Requirements	Credit Hours
BUS 170 Business and Professional Ethics	3
CGP 145 Introduction to Computer Programming	3
CIS 205 Website Design and Development	3
CIS 235 Computer Hardware and Operating Systems	3
CIS 260 Introduction to Java Programming	3
CIS 295 Database Management Systems Concepts	3
CSC 297 Computer Science and Information Technology Capstone	1
ITS 180 Introduction to Cybersecurity	3
MTM 240 Project Management	3
Information Technology Total	**25**

Emphasis Areas: Select from one (1) of the following emphasis areas	Credit Hours
Data Analytics Emphasis Area	
CIS 201 Computer Applications in Business (Excel)	3
CIS 295 Database Management Systems Concepts (SQL)	3
CSC 130 The World of Computer Science (Python)	3
IST 110 Data Analtyics I	3
IST 210 Data Analytics II	3
Data Analytics Total	**15**
Aerial & Geospatial Technology Emphasis Area	
IST 150 Geographic Information Systems (GIS) Technology	3
UAS 110 Introduction to Drones (sUAS)	3
Select nine (9) credit hours:	
CIS 201 Computer Applications in Business (Excel)	
CSC 130 The World of Computer Science (Python)	
EGR 120 Introduction to Computer Aided Drafting (CAD)	
IST 197 Special Topics in Information Science & Technology	9
UAS 210 Drone Photo and Video Production	
UAS 220 Introduction to Aerial Data Collection and Processing	
Aerial & Geospatial Technology Total	**15**
General Information Science Emphasis Area	
Select 15 credit hours from CIS, CGP, CSC, or IST (with department permission)	15
General Information Science Total	**15**
Total Hours Required	**60**

Note: UAS 110 may be substituted with the following: UAS 115 Introduction to Drones for Commercial Operators, UAS 120 Introduction to Drones for Public Safety, UAS 125 Part 107 Test Prep, and UAS 130 Drone Flight Training

Degree Notes:
● Electives must be approved by the department.
● Students should confirm the transferabilty of courses with their transfer university before completing courses at MSU-WP.

Recommended Two-Year Plan

Term 1 (Fall) — Course #	Credit Hours
CGP 145	3
CIS 101	3
CIS 205	3
CIS 235	3
IDS 110 / 115	2
Total	**14**

Milestones: Complete CIS 101, CGP 145, IDS 110. Complete MTH prerequisite, if needed, in place of COM 115 or Civics.

Term 2 (Spring) — Course #	Credit Hours
CIS 260	3
CIS 295	3
COM 115	3
MTM 240	3
IST 180	3
Total	**15**

Milestone: Complete ENG 110. Complete MTH prerequisite, if needed, in place of elective.

Milestones: Complete all English, Math and Reading prerequisites during first year.

Term 3 (Fall) — Course #	Credit Hours
ENG 110	3
MTM 240	3
MTH 136	3
Emphasis Courses	6
Total	**15**

Term 4 (Spring) — Course #	Credit Hours
BUS 170	3
Civics	3
CSC 297	1
ENG 210 / 221	3
Emphasis Courses	6
Total	**16**

Milestone: Apply to graduate.

Milestone Notes:
● Milestones are a major step in the completion of the degree. Each milestone must be met in order to advance to the next stage of education.
● Milestone courses should be completed in the designated semester.
● All milestone courses must be completed with a C or higher.
● Students are encouraged to apply for graduation early in their last semester.