

Information Technology Certificate

Certificate in Information Technology

The Certificate in Information Technology is designed to prepare students for careers in the information 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

Course	Credit Hours
CGP 145 Introduction to Computer Programming	3
CIS 201 Computer Applications in Business	3
CIS 205 Website Design and Development	3
CIS 235 Computer Hardware and Operating Systems	3
CIS 260 Introduction to Java Programming	3
CIS 295 Database Management Systems Concepts and Design	3
Elective (Approved by IST Department)	6
Total Hours Required	24

Courses included in the Information Technology Certificate may be applied toward the Associate of Applied Science (AAS) in Information Science & Technology.

Recommended One-Year Plan

Term 1 (Fall)	Course #	Credit Hours
	CGP 145	3
	CIS 205	3
	CIS 235	3
	Elective (CIS, CGP, CSC, IST)	3
	12	

Term 2 (Spring)	Course #	Credit Hours
	CIS 201	3
	CIS 260	3
	CIS 295	3
	Elective (CIS, CGP, CSC, IST)	3
	12	

Data Analytics Certificate

Certificate in Data Analytics

The Certificate in Data Analytics is designed to prepare students for careers in the data analytics field. 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

Course	Credit Hours
CIS 201 Computer Applications in Business	3
CIS 295 Database Management Systems Concepts	3
CSC 130 The World of Computer Science	3
IST 110 Data Analytics I	3
IST 120 Data Analytics II	3
Total Hours Required	15

Courses included in the Data Analytics Certificate may be applied toward the Associate of Applied Science (AAS) in Information Science & Technology.

Recommended One-Year Plan

Term 1 (Fall)	Course #	Credit Hours
	CSC 130	3
	IST 110	3
		6

Term 2 (Spring)	Course #	Credit Hours
	CIS 201	3
	CIS 295	3
	IST 210	3
	9	

Aerial & Geospatial Technology Certificate

Certificate in Aerial & Geospatial Technology

The Certificate in Aerial & Geospatial Technology is designed to prepare students for careers in the GIS and sUAS 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

Course	Credit Hours
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	3
CSC 130 The World of Computer Science	3
EGR 120 Introduction to Computer Aided Drafting	2
IST 299 Internship in Information Science & Technology	3
UAS 210 Drone Photo and Video Production	3
UAS 220 Introduction to Aerial Data Collection and Processing	1
	15

* UAS 110 may be substituted with the following
 UAS 115 Introduction to Drones for Commercial Users
 UAS 120 Introduction to Drones for Public Safety
 UAS 125 Part 107 Test Prep
 UAS 130 Drone Flight Training

Courses included in the Aerial & Geospatial Technology Certificate may be applied toward the Associate of Applied Science (AAS) in Information Science & Technology.

Recommended One-Year Plan

Term 1 (Fall)	Course #	Credit Hours
	IST 150	3
	UAS 110	3
	6	

Term 2 (Spring)	Course #	Credit Hours
	Aerial & Geospatial Electives	9
		9

Degree Notes:

- Electives must be approved by the department.
- Students should confirm the transferability of courses

For More Information, Contact

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