

Date Modified:	5.26.2020
MSU Transfer Advisor:	Ajay Katangur AjayKatangur@MissouriState.edu 417-836-6646

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.



**MSU West Plains Associate of Science in Computer Science
MSU Bachelor of Science in Computer Science- Computer Science Option**

Catalog Year: 2020-2021

The following is a guide to graduation with completion of MSU West Plains Associate of Science in Computer Science and MSU's Bachelor of Science in Computer Science- Computer Science Option degree.
The degree may be completed on campus only.

MSU West Plains Year 1 Semester 1

REQUIREMENT DESCRIPTION	West Plains COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Institutional Requirement	IDS 110	Student Success	2	GEC 101		
Institutional Requirement	CIS 101	Computers for Learning	3	ITC 200		
Major Requirement	CSC 130	The World of Computer Science	3	CSC 130		✓
Written Communications <i>6 credit hours</i>	ENG 110	Writing I	3	ENG 110	✓	
Oral Communications <i>3 credit hours</i>	COM 115	Fundamentals of Public Speaking	3	COM 115	✓	
Semester 1 Total			14			

MSU West Plains Year 1 Semester 2

REQUIREMENT DESCRIPTION	West Plains COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Major Requirement <i>Must earn a "C" or better</i>	CSC 131	Computational Thinking	4	CSC 131		✓
Written Communications <i>6 credit hours</i>	ENG 210 or ENG 221	Writing II: Academic Writing Writing II: Writing for the Professions	3	ENG 210 ENG 221	✓	
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 115▲ ENG 236 MUS 162*▲ PHI 105 REL 100 THE 101 ART 200 FRN 101 MUS 239 PHI 110 SPN 101 ENG 200 FRN 102 MUS 241 PHI 115 SPN 102		3	Varies	✓	
Mathematical Sciences <i>3 credit hours</i>	MTH 261	Analytic Geometry & Calculus I	5	MTH 261	✓	✓
Semester 2 Total			15			

MSU West Plains Year 2 Semester 3

REQUIREMENT DESCRIPTION	West Plains COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Major Requirement	MTH 280	Analytic Geometry & Calculus II	5	MTH 280	✓	✓
Major Requirement <i>Must earn a "C" or better</i>	CSC 232	Data Structures	4	CSC 232		✓
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 115▲ ENG 236 MUS 162*▲ PHI 105 REL 100 THE 101 ART 200 FRN 101 MUS 239 PHI 110 SPN 101 ENG 200 FRN 102 MUS 241 PHI 115 SPN 102		3	Varies	✓	
Natural Sciences <i>7 credit hours</i> (Must fulfill 2 disciplines including one course with a lab component)	Choose one: PHY 123 Introduction to Physics I PHY 203 Foundations of Physics I		4-5	PHY 123 PHY 203	✓	✓
Semester 3 Total			16-17			

MSU West Plains Year 2 Semester 4

REQUIREMENT DESCRIPTION	West Plains COURSE ID/TITLE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Natural Sciences <i>7 credit hours</i> (Must fulfill 2 disciplines including one course with a lab component)	Choose one: BIO 121 General Biology I BMS 110 Introduction to the Biomedical Sciences		3	BIO 121 BMS 110	✓	✓
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	PSY 121	Introductory Psychology	3	PSY 121	✓	
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	ECO 165	Principles of Microeconomics	3	ECO 165	✓	
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: PLS 101 American Democracy and Citizenship HST 121 Survey of US History to 1877 HST 122 Survey of US History Since 1877		3	PLS 101 HST 121 HST 122	✓	
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 115▲ ENG 236 MUS 162*▲ PHI 105 REL 100 THE 101 ART 200 FRN 101 MUS 239 PHI 110 SPN 101 ENG 200 FRN 102 MUS 241 PHI 115 SPN 102		3	Varies	✓	
Semester 4 Total			15			
Total Hours at West Plains			60-61	<i>Total Hours Applied Toward MSU Major Requirements:</i>		27-28

* One credit hour course

▲ MOTR code 'PERF' course- only three credit hours of PERF courses can be applied to Humanities knowledge area.

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**MSU Bachelor of Science in Computer Science- Computer Science Option
after MSU West Plains Associate of Science in Computer Science**

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	MTH 314	Discrete Mathematics	3
Major Requirement <i>Must earn a "C" or better</i>	CSC 244	Computer Architecture	3
Major Requirement	CSC 3**	Choose an eligible CSC course numbered higher than 303, with no more than three hours in CSC 399 and no more than three hours in CSC 596. <i>Courses not eligible: CSC 500, 505, and 510.</i>	3
Major Requirement	CSC 365	Internet Programming	3
Major Requirement	CSC 388	Introduction to Secure Computing	3
Semester 1 Total			15

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	CSC 335	Database System Concepts	3
Major Requirement	CSC 360	Operating Systems	3
Major Requirement	CSC 482	Seminar in Computer Science	1
Major Requirement	CSC 325	Algorithms and Advanced Data Structures	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Major Requirement	CSC 3**	Choose an eligible CSC course numbered higher than 303, with no more than three hours in CSC 399 and no more than three hours in CSC 596. <i>Courses not eligible: CSC 500, 505, and 510.</i>	3
Semester 2 Total			16

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	CSC 333	Languages and Machines	2
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Major Requirement	CSC 3**	Choose an eligible CSC course numbered higher than 303, with no more than three hours in CSC 399 and no more than three hours in CSC 596. <i>Courses not eligible: CSC 500, 505, and 510.</i>	3
Major Requirement	CSC 565	Computer Networks	3
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Semester 3 Total			14

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
Major Requirement	MTH 345	Statistics for Scientists and Engineers	3
Major Requirement	CSC 450	Introduction to Software Engineering	4
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		5
General Elective **	Work with your MSU advisor to identify courses that will complement your specific career goals.		3
Semester 4 Total			15
Total Hours at MSU			60
Total Hours Overall			120-121

Successful completion of the computer science major field test (MFT) with at least a score of 50th percentile is required.

** Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

This information is provided as a guide only.

- MSU-WP students are strongly encouraged to meet with their major specific MSU transfer advisor early in their MSU-WP education to discuss the most appropriate MSU-WP coursework for their intended MSU major, MSU degree requirements, etc.
- Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as well as periodicity limitations that could affect scheduling sequences.
- Please note that transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred (e.g., MSU-WP).