**Missouri State University-West Plains**

# Computer Science

**Missouri State University**
W E S T   P L A I N S

## Associate of Science in Computer Science

The Associate of Science in Computer Science is a transfer degree and and contains some of the Missouri Higher Education Core Transfer Curriculum (Core 42), including specific general education and computer science courses needed to facilitate transfer.This academic guide is based on the 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

| Written Communications | Credit Hours |
|---|---|
| ENG 110 Writing I | 3 |
| *Writing II:  Select three (3) credit hours* | |
| ENG 210 Writing II: Academic Writing | 3 |
| ENG 221 Writing II: Writing for the Professions | |

| Oral Communications | Credit Hours |
|---|---|
| COM 115 Fundamentals of Public Speaking | 3 |

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

| Natural Sciences | Credit Hours |
|---|---|
| PHY 203 Foundations of Physics I | 5 |
| *Biology / Biomedical Sciences:  Select four (4) credit hours* | |
| BIO 121 General Biology I | 4 |
| BMS 110 Introduction to Biomedical Sciences | |

| Social and Behavioral Science | Credit Hours |
|---|---|
| PSY 121 Introductory Psychology | 3 |
| ECO 165 Principles of Microeconomics | 3 |
| *Civics:  Select three (3) credit hours* | |
| HST 121 Survey of US History to 1877 | |
| HST 122 US History Since 1877 | 3 |
| PLS 101 American Democracy and Citizenship | |

| Humanities and Fine Arts | Credit Hours |
|---|---|
| BUS 170 Business Ethics | 3 |

| Institutional Requirements | Credit Hours |
|---|---|
| CIS 101 Computers for Learning | 3 |
| IDS 110 Student Success | 1 |

| Computer Science Requirements | Credit Hours |
|---|---|
| EGR 100 Careers in Engineering and Computing | 1 |
| CSC 130 The World of Computer Science | 3 |
| CSC 131 Computational Thinking | 4 |
| CSC 232 Data Structures | 4 |
| CSC 297 Computer Science and Information Technology Capstone | 1 |
| Elective:  CSC Elective or Humanities/Fine Arts Core 42 Course | 3 |
| **Total Hours** | **26** |

### Recommended Two-Year Plan

| | Course # | Credit Hours |
|---|---|---|
| **Term 1 (Fall)** | CIS 101 | 3 |
| | COM 115 | 3 |
| | **CSC 130** | 3 |
| | EGR 100 | 1 |
| | **ENG 110** | 3 |
| | IDS 110 | 1 |
| | **Total** | **14** |

Milestone: Complete CSC 130, ENG 110.  Complete MTH prerequiste in place of COM 115 if needed.

| | Course # | Credit Hours |
|---|---|---|
| **Term 2 (Spring)** | **CSC 131** | 4 |
| | ENG 210 / ENG 221 | 3 |
| | **MTH 261** | 5 |
| | BUS 170 | 3 |
| | **Total** | **15** |

Milestone:  Complete CSC 131 & MTH 261.

| | Course # | Credit Hours |
|---|---|---|
| **Term 3 (Fall)** | CSC 232 | 4 |
| | MTH 280 | 5 |
| | PHY 203 | 5 |
| | Civics | 3 |
| | **Total** | **17** |

Milestone: Apply for admission to 4 year university.

| | Course # | Credit Hours |
|---|---|---|
| **Term 4 (Spring)** | BIO 121/BMS 110 | 4 |
| | CSC 297 | 1 |
| | ECO 165 | 3 |
| | PSY 121 | 3 |
| | CSC or HUM / Fine Arts | 3 |
| | **Total** | **14** |

Milestone: Apply to graduate, Send final transcripts to 4 year university.

**Degree Notes:**
● Students should confirm the transferabilty of courses with their transfer university before completing courses at MSU-WP.
● This degree is a transfer degree and contains the Missouri Higher Education Core Transfer Curriculum (Core 42).

**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.

### For More Information, Contact
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