



**COMPUTER PROGRAMMING and
APPLICATION DEVELOPMENT**
ASSOCIATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2024-2025

Name _____

Jacket Student Central
Phone: 406-247-3019
FAX: 406-247-3095

Student ID _____

| Course | | | Credits | Grade | Semester | Equivalent |
|--|-----|---------------------------|---------|-------|----------|------------|
| Recommended Preparatory Courses | | | | | | |
| CAPP | 120 | Introduction to Computers | 3 | | | |
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|-------------------------------------|--|--|--|--|--|--|
| Required Preparatory Courses | | | | | | |
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|---------------------------------------|-----|--------------------------------------|---|--|--|--|
| General Education Requirements | | | | | | |
| COMX | 106 | Communicating in a Dynamic Workplace | 3 | | | |
| M | 114 | Extended Technical Mathematics | 3 | | | |
| WRIT | 121 | Intro to Technical Writing | 3 | | | |

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|-------------------------|------|--|---|--|--|--|
| Required Courses | | | | | | |
| CAPP | 156 | MS Excel | 3 | | | |
| CAPP | 158 | MS Access | 3 | | | |
| CSCI | 111B | Programming with Java I | 3 | | | |
| CSCI | 114 | Programming with C# | 3 | | | |
| CSCI | 116 | Introduction to Python Programming | 3 | | | |
| CSCI | 121 | Programming with Java II | 4 | | | |
| CSCI | 150 | Intro to Computer Science | 3 | | | |
| CSCI | 181 | Web Design & Programming | 3 | | | |
| CSCI | 211 | Client Side Programming | 3 | | | |
| CSCI | 214 | Server-side Web Programming & Administration | 3 | | | |
| CSCI | 223 | Software Development | 3 | | | |
| CSCI | 240 | Databases and SQL | 3 | | | |

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|------|-----|---------------------------------------|---|--|--|--|
| CSCI | 258 | Web Application Development | 3 | | | |
| CSCI | 299 | Thesis/Capstone | 3 | | | |
| ITS | 166 | MS Windows 10 Configuration | 3 | | | |
| ITS | 212 | Network Operating System-Server Admin | 3 | | | |
| ITS | 224 | Introduction to Linux | 3 | | | |
| NTS | 104 | CCNA 1: Intro to Networks | 3 | | | |

TOTAL MINIMUM CREDITS REQUIRED 63

A grade of "C" (2.0) or higher is mandatory in all courses

Suggested Plan of Study

| First Semester | Credits | Second Semester | Credits |
|-----------------------|----------------|------------------------|----------------|
| COMX 106 | 3 | CSCI 114 | 3 |
| CSCI 150 | 3 | CSCI 116 | 3 |
| CSCI 240 | 3 | CSCI 211 | 3 |
| CSCI 181 | 3 | ITS 212 | 3 |
| ITS 166 | 3 | ITS 224 | <u>3</u> |
| M 114 | <u>3</u> | TOTAL | 15 |
| TOTAL | 18 | | |

| Third Semester | Credits | Fourth Semester | Credits |
|-----------------------|----------------|------------------------|----------------|
| CAPP 156 | 3 | CAPP 158 | 3 |
| CSCI 111B | 3 | CSCI 121 | 3 |
| CSCI 214 | 3 | CSCI 258 | 3 |
| CSCI 223 | 3 | CSCI 299 | 3 |
| WRIT 121 | <u>3</u> | NTS 104 | <u>3</u> |
| TOTAL | 15 | TOTAL | 15 |

Transcript evaluation (if applicable completed) by: _____ on _____

Developing a Plan of Study

To facilitate course planning and scheduling, students should be aware that not all courses are offered every semester. Some courses require pre-requisites and preparatory courses to be successfully completed or co-requisites be taken simultaneously.

Program Specific Information

Students should know the following information:

- 1) Computer Programming and Application Development is a fall start program. Please see an advisor for more information.
- 2) Many of the required courses are sequential in order and failure to pass one semester can impact the next.
- 3) Students that earn an AAS degree and want to further their education thus career; are able to go on for a Bachelor of Applied Science degree through MSUB. There are a variety of thematic concentrations for completing the BAS degree. Please consult with an advisor for more information.