



MONTANA STATE UNIVERSITY BILLINGS

COMPUTER PROGRAMMING and APPLICATION DEVELOPMENT
ASSOCIATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2011-2012

College of Technology
Jacket Student Central
Phone: 406-247-3019
Fax: 406-247-3095

Name _____

Student ID # _____

This program begins in the fall semester.

Before a student can be accepted into the Computer Programming and Application Development degree program, competency in mathematics and computers must be demonstrated. This may be done by:

- Passing the math and computer placement test
- Transfer of appropriate credits
- Current ACT/SAT scores in the required range
- Taking the necessary prerequisite English, math and/or computer classes identified in the catalog

Course	Credits	Grade	Semester	Equivalent
Recommended Preparatory Courses				
CAPP 120 Introduction to Computers	3			

Required Preparatory Courses				

General Education Requirements

COMT 109 Human Relations	3			
WRIT 121 Intro to Technical Writing	3			
M 143 Finite Mathematics	4			

*Finite Mathematics must be completed before moving into the second semester of classes.

Required Courses

CAPP 156 MS Excel	3			
CMP 135 Introduction to Web Design	3			
CSCI 210 Web Programming	3			
CMP 236 Advanced Web Programming	3			
CAPP 158 MS Access	3			
CSCI 110 Applied Basic Programming Concepts using Visual Basic .Net	3			
CSCI 115 Programming with Perl	3			
ITS 161 Windows 7	3			
ITS 162 Windows Server 08 Active Directory Configuration	3			

ITS	224	Linux	3			
CST	299	Thesis/Capstone	3			
CSCI	111B	Programming with Java I	4			
CSCI	121	Programming with Java II	4			
CSCI	240	Databases and SQL	3			
CSCI	109	Intro to Programming Lab	2			
CSCI	120	Programming with Visual Basic II	4			
CTBU	171	Introduction to Business	3			
*MIS	210	Systems Analysis and Design	3			

* offered on the main campus

Restricted Electives – 3 credits required, chosen in consultation with an advisor

Restricted Electives to choose from:

DSGN 248	Computer Presentation and Animation.....	3
CST 115	Introduction to Game Programming.....	3
CAPP 154	MS Word.....	3
CST 217	Microsoft Certified Application Developer Exam Preparation.....	2
CST 227	Sun Certified Java Programmer Exam Preparation.....	1
ITS 182	Help Desk Support.....	3
CAPP 110	Short Courses: MS Outlook.....	1
CST 169	Administering Web Servers.....	3

TOTAL MINIMUM CREDITS REQUIRED 69

A grade of “C” or higher is mandatory in all required courses.

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
CAPP 156	3	CAPP 158	3
CMP 135	3	CSCI 210	3
CSCI 110	3	WRIT 121	3
CSCI 109	2	COMT 109	3
M 143	4	ITS 224	3
ITS 161	3	Restricted Elective	3
TOTAL	18	TOTAL	18

Third Semester	Credits	Fourth Semester	Credits
CSCI 115	3	CSCI 121	4
MIS 210	3	CSCI 240	3
CSCI 120	4	ITS 162	3
CTBU 171	3	CSCI 299	3
CSCI 111B	4	CMP 236	3
TOTAL	17	TOTAL	16

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



MSUBILLINGS

College of Technology

2011-2012 Computer Programming & App Dev AAS Plan of Study

for _____

Date: _____

COMPUTER PROGRAMMING AND APPLICATION DEVELOPMENT AAS

Semester (____)

Semester (____)

Course	Credits	Course	Credits
Total		Total	

Semester (____)

Semester (____)

Course	Credits	Course	Credits
CAPP 156	3	CAPP 158	3
CMP 135	3	COMT 109	3
CSCI 110	3	CSCI 210	3
CSCI 109	2	ITS 224	3
ITS 161	3	Restricted Elective	3
M143	4	WRIT 121	3
Total		Total	

Semester (____)

Semester (____)

Course	Credits	Course	Credits
CSCI 111B	4	CSCI 121	4
CSCI 115	3	CSCI 236	3
CSCI 120	4	CSCI 240	3
CTBU 171	3	CSCI 299	3
MIS 210	3	ITS 162	3
Total		Total	

NOTES: