



MONTANA STATE UNIVERSITY BILLING

NETWORKING TECHNOLOGY
ASSOCIATE OF SCIENCE

Advising Worksheet 2014-2015

City College
Jacket Student Central
Phone 406-247-3019
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Name _____

Student ID # _____

GENERAL EDUCATION REQUIREMENTS –SEE NEXT PAGE FOR SPECIFIC REQUIREMENTS

General Education Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Global Academic Skills (9 credits) A. Mathematics (3 credits) B. English (3 credits) C. Communication & Information Literacy (3 credits)	M 114				
	WRIT 101				
Category II: Natural Sciences (7 credits) 2 lectures (6 credits) & 1 lab (1 credit) (1 life science & 1 physical science & 1 lab)					
Category III: Social Sciences and History (6 credits) A. Social Science (3 credits) B. History (3 credits)					
Category IV: Cultural Diversity (3 credits)					
Category V: Arts & Humanities (6 credits) A. Fine Arts (3 credits) B. Humanities (3 credits)					

A minimum grade of “C-” required in all General Education courses.

Note: Certain degrees may require a minimum grade of “C” in General Education courses.

Reviewed:

GENERAL EDUCATION REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS 9 credits

Students are required to take one course from each subcategory

Subcategory A - Mathematics 3 credits

+M	105	Contemporary Mathematics	3
+M	114	Extended Technical Mathematics	3
+M	121	College Algebra	3
M	122	College Trigonometry	3
M	131	Mathematics for Elementary Teachers II	3
+M	143	Finite Mathematics	4
M	171	Calculus I	4
STAT	141	Introduction to Statistical Concepts	3
STAT	216	Introduction to Statistics	4

Subcategory B - English 3 credits

+WRIT	101	College Writing I	3
WRIT	201	College Writing II	3
WRIT	220	Business & Professional Writing	3
+WRIT	121	Introduction to Technical Writing	3
+WRIT	122	Introduction to Business Writing	3
WRIT	221	Intermediate Technical Writing	3

Subcategory C- Communication & Information Literacy 3 credits

BMIS	150	Computer Literacy	3
+COMX	111	Introduction to Public Speaking	3
COMX	115	Introduction to Interpersonal Communication	3
LSCI	125	Research in the Information Age	3

CATEGORY II: NATURAL SCIENCES 6 cr. lecture & 1 cr. lab

Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102, 103 & 104

Subcategory A – Life Sciences 3-4 credits

BIOB	101	Discover Biology	3
BIOB	102	Discover Biology Lab	1
BIOB	160	Principles of Living Systems	3
BIOB	161	Principles of Living Systems Lab	1

Subcategory B – Physical Sciences 3-4 credits

ASTR	110	Introduction to Astronomy	3
ASTR	111	Introduction to Astronomy Lab	1
+CHMY	121	Introduction to General Chemistry	3
+CHMY	122	Introduction to General Chemistry Lab	1
CHMY	141	College Chemistry I	3
CHMY	142	College Chemistry Laboratory I	1
GEO	101	Introduction to Physical Geology	3
GEO	102	Introduction to Physical Geology Laboratory	1
GPHY	112	Introduction to Physical Geography Lab	1
GPHY	111	Introduction to Physical Geography	3
PHSX	103	Our Physical World	3
PHSX	104	Our Physical World Lab	1
PHSX	205	College Physics I	3
PHSX	206	College Physics I Lab	1
PHSX	105	Fundamentals of Phys Sci	3
PHSX	106	Fundamentals of Phys Sci Lab	1

Subcategories A and B – Integrated Sciences 7 credits

SCIN	101, 102, 103 & 104	Integrated Sciences	3, ½, 3, ½
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CATEGORY III: SOCIAL SCIENCES AND HISTORY 6 credits

Students are required to take one course from each subcategory

Subcategory A – Social Sciences 3 credits

ANTY	217	Physical Anthropology & Archeology	3
+BGEN	105	Introduction to Business	3
+COMX	106	Communicating in a Dynamic Workplace	3
ECNS	201	Principles of Microeconomics	3
ECNS	202	Principles of Macroeconomics	3
EDU	105	Education and Democracy	3
GPHY	141	Geography of World Regions	3
HTH	110	Personal Health and Wellness	3
PSCI	210	Introduction to American Government	3
PSCI	220	Introduction to Comparative Government	3
+PSYX	100	Introduction to Psychology	3

PSYX	231	Human Relations	3
+SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	3

Subcategory B - History 3 credits

+HSTA	101	American History I	3
+HSTA	102	American History II	3
HSTR	101	Western Civilization I	3
HSTR	102	Western Civilization II	3
HSTR	103	Honors Western Civilization I	3
HSTR	104	Honors Western Civilization II	3
PSCI	230	Introduction to International Relations	3

CATEGORY IV: CULTURAL DIVERSITY 3 credits

A&SC/WGSS	274	Women, Culture, and Society	3
ANTY	220	Culture and Society	3
ARTH	160	Global Visual Culture	3
COMX	212	Introduction to Intercultural Communication	3
GPHY	121	Human Geography	3
HTH	270	Global Health Issues	3
LIT	230	World Literature Survey	3
MUSI	207	World Music	3
+NASX	105	Introduction to Native American Studies	3
NASX	205	Native Americans in Contemporary Society	3
PHL	271	Philosophy & Religion of India	3
PHL	272	Philosophy & Religion of China/Tibet/Japan	3
REHA	201	Introduction to Diversity	3
RLST	170	The Religious Quest	3
SPNS	150	The Hispanic Tradition	3

CATEGORY V: ARTS & HUMANITIES 6 credits

Students are required to take one course from each subcategory

Subcategory A – Fine Arts 3 credits

ARTZ	101	Art Fundamentals	3
ARTZ	105	Visual Language-Drawing	3
ARTZ	131	Ceramics for Non-majors	3
CRWR	240	Intro Creative Writing Workshop	3
FILM	160	Introduction to World Cinema	3
LIT	270	Film & Literature	3
+MART	260	Computer Presentation and Animation	3
+MUSI	101	Enjoyment of Music	3
MUSI	114	Band: MSUB Symphonic	1
MUSI	131	Jazz Ensemble I: MSUB	1
MUSI	147	Choral Ensemble: University Chorus	1
THTR	101	Introduction to Theatre	3
THTR	120	Introduction to Acting I	3

Subcategory B - Humanities 3 credits

ARTH	150	Introduction to Art History	3
HONR	111	Perspectives and Understanding	3
+LIT	110	Introduction to Literature	3
LIT	240	The Bible as Literature	3
PHL	110	Introduction to Ethics	3
PHL	111	Philosophies of Life	3

Total 31

+Denotes a course offered at the City College campus. These courses may not be available every semester.

Recommended Preparatory Courses

CAPP	120	Introduction to Computers	3			
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Required Preparatory Courses

Required Courses

CAPP	110	MS Outlook	1			
ITS	161	MS Windows 7 Configuration	3			Substitute with ITS 163
ITS	162	Windows Server 08 Active Directory Configuration	3			Substitute with ITS 170
NTS	104	CCNA 1: Intro to Networks	4			
NTS	105	CCNA 2: Routing & Switching Essentials	4			
NTS	204	CCNA 3: Scaling Networks	4			
NTS	205	CCNA 4: Connecting Networks	4			

6 Elective Credits Required- chosen in consultation with an advisor

TOTAL MINIMUM CREDITS REQUIRED 60
A grade of "C" or higher is mandatory in all required courses.

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
General Education	13	CAPP 110	1
TOTAL	13	General Education	15
		TOTAL	16
Third Semester	Credits	Fourth Semester	Credits
ITS 161	3	ITS 162	3
NTS 104	4	NTS 204	4
NTS 105	4	NTS 205	4
General Education	3	General Education	6
TOTAL	14	TOTAL	17

Categories	Credits	Earned	Remaining
General Education	31	_____	_____
Required Courses	25	_____	_____
Restricted Electives	6	_____	_____
Total	62	_____	_____

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.

Selected Courses and Prerequisites

Key: F= Fall; S=Spring; X=Summer; # = online

Networking Technology Associate of Science Degree Program Requirements:

Course	Gen Ed. Category & Credits	Required Pre-requisite	Recommended Pre-requisite	Required Co-Requisite	Recommended Co-requisite	Term Offered
Recommended: CAPP 120		OPTIONAL				F, F#, S, S#, X, X#
CAPP 156						F, F#, S, S#, X#
NTS 104		CAPP 120		NTS 105		F, S
NTS 105		NTS 104		NTS 104		F, S
ITS 161		CAPP 120		ITS 162		F
ITS 162		ITS 160		ITS 161		S
NTS 204		NTS 105		NTS 205		S
NTS 205		NTS 204		NTS 204		S
CATEGORY 1 A: Mathematics	3 credits	M111, M095 or equivalent test score				F, F#, S, S#, X, X#
CATEGORY 1 B: English (WRIT 101)	WRIT 101 required 3 credits total	WRIT 095 or equivalent test score				F, F#, S, S#, X, X#
CATEGORY 1 C: Information Literacy	3 credits					F, F#, S, S#, X, X#
CATEGORY II: Natural Science	3cr -Life Science, 3cr-Physical Science, 1 cr-lab					F, F#, S, S#, X, X#
CATEGORY III: Social Sciences and History	6 credits					F, F#, S, S#, X, X#
CATEGORY IV Cultural Diversity	3 credits					F, F#, S, S#, X, X#
CATEGORY V A: Arts	3 credits					F, F#, S, S#, X, X#
CATEGORY V B: Humanities	3 credits					F, F#, S, S#, X, X#

Program Specific Information

Students should know the following information:

- 1.) This program is based on completing the previous semester. Cisco 1 and 2 must be completed before taking Cisco 3 and 4. Failure to pass one semester can impact the next.
- 2.) This is a program with few online options. Many courses are 4 or even 5 days per week.
- 3.) If a student is particularly interested in the technical coursework then the Computer Systems Technology degree is the better option.
- 4.) If a student is interested in some technical work but is ultimately looking at transferring to a 4 year degree then the Networking Technology AS could be the better option.
- 5.) Students can earn the certificate and continue on to either the AAS or AS options. The first 2 semesters could look the same for the certificate, AAS and AS options.
- 6.) The ITS or Cisco courses tend to fill up quickly so it is important to register early.



2014-2015 Networking Technology AS Plan of Study

for _____

Date: _____

Semester _____

Semester _____

Course	Credits	Course	Credits
CAPP 120	3	CAPP 156	3
Gen Ed: M	3	Gen Ed:	3 (Humanities)
Gen Ed: WRIT101	3	Gen Ed:	3 (Arts)
Gen Ed:	3 (Social Science/History)	Gen Ed:	3 (Social Science/History)
Gen Ed:	3 (Cultural Diversity)	Gen Ed:	3 (Science)
Gen Ed:	3 (Communication and Information Literacy)	Gen Ed:	1 (Science)
Total		Total	

Semester _____

Semester _____

Course	Credits	Course	Credits
NTS 104	4	ITS 170	3
NTS 105	4	NTS 204	4
ITS 163	3	NTS 205	4
Restricted Elective:	3	Gen Ed:	3 (Science)
		Gen Ed:	3
Total		Total	

Semester _____

Semester _____

Course	Credits	Course	Credits
Total		Total	

Number of earned credits that apply toward degree: _____

Number of credits left to earn for degree: _____

CERTIFICATION: The courses listed are **required** for the student's degree.

Advisor's Signature: _____ Date: _____

Student's Signature: _____ Date: _____