



**CYBER SECURITY /NETWORK TECHNOLOGY
ASSOCIATE OF SCIENCE**

TRANSFER INSTITUTION(S):

Advising Worksheet 2019-2020

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

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)					
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.

Students should consult with an Academic Advisor before registering for General Education courses.

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	140	College Math for Healthcare	3
+M	143	Finite Mathematics	4
M	161	Survey of Calculus	3
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	121	Introduction to Technical Writing	3
+WRIT	122	Introduction to Business Writing	3
WRIT	201	College Writing II	3
WRIT	220	Business & Professional 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 Integrated Sciences

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 I	3
GPHY	111	Introduction to Physical Geography	1
GPHY	112	Introduction to Physical Geography Lab	1
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

Integrated Sciences

SCIN	101, 102, 103, 104	Integrated Sciences	3, 1, 3, 1
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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

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	Indian Philosophies and Religions	3
PHL	272	Chinese Philosophies and Religions	3
REHA	201	Introduction to Diversity in Counseling	3
RLST	170	The Religious Quest	3
SPNS	150	The Hispanic Tradition	3
WGSS	274	Women, Culture, and Society	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 (dual enrollment only)	3
ARTZ	105	Visual Language-Drawing	3
ARTZ	106	Visual Language -2D Foundations	3
ARTZ	108	Visual Language – 3D Foundations	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
PHOT	154	Exploring Digital Photography	3
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
PHL	254	People and Politics	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	156	MS Excel	3			
CSCI	116	Introduction to Python Programming	3			
ITS	166	Configuring for Windows 10	3			
ITS	212	Network Operating System-Server Admin	3			
ITS	256	CCNA Security	3			
NTS	104	CCNA 1: Intro to Networks	4			
NTS	105	CCNA 2: Routing & Switching Essentials	4			
NTS	204	CCNA 3: Scaling Networks	3			

Restricted Elective 3 credits required- choose from list below

Restricted Electives.....Credits

- CAPP 110 Short Courses: MS Outlook.....1
- CSCI 181 Web Design & Programming.....3
- ITS 280 Computer Repair and Maintenance.....3
- NTS 205 CCNA 4: Connecting Networks.....3

TOTAL MINIMUM CREDITS REQUIRED 60

A grade of "C" (2.0) or higher is mandatory in Required Courses and Restricted Elective

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
General Education	16	General Education	15
TOTAL	16	TOTAL	15

Third Semester	Credits	Fourth Semester	Credits
ITS 166	3	ITS 212	3
NTS 104	4	ITS 256	3
NTS 105	4	NTS 204	3
CAPP 156	3	Restricted Elective	3
CSCI 116	3	TOTAL	12
TOTAL	17		

Categories	Credits	Earned	Remaining
General Education	31	_____	_____
Required Courses	26	_____	_____
Restricted Elective	3	_____	_____
Total	60	_____	_____

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.) This program is based on completing the previous semester. Cisco 1 and 2 must be completed before taking Cisco 3. Failure to pass one semester can impact the next.
- 2.) This is a program with few online options for the Required Courses. Many of them are 4 or even 5 days per week.
- 3.) If a student is particularly interested in the technical coursework, then the AAS Computer Systems Technology degree can be the better option.
- 4.) If a student is interested in some technical work, but is ultimately looking at transferring to a bachelor degree, then the AS Cyber Security/Network Technology is a good option.
- 5.) Students can earn the CAS Networking Technology 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.



2019-2020 Cyber Security/Networking Technology AS Plan of Study

Name _____

Student I.D. _____

Semester _____

Semester _____

Course	Credits	Course	Credits
Total		Total	

Semester _____

Semester _____

Course	Credits	Course	Credits
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	3	Gen Ed:	3
Gen Ed:	1		
Total		Total	

Semester _____

Semester _____

Course	Credits	Course	Credits
ITS 166	3	ITS 212	3
NTS 104	4	NTS 204	3
NTS 105	4	ITS 256	3
CAPP 156	3	Restricted Elective	3
CSCI 116	3		
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: _____