



City College
Jacket Student Central
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MONTANA STATE UNIVERSITY BILLINGS

DRAFTING AND DESIGN ASSOCIATE OF SCIENCE

ADVISING WORKSHEET 2013-2014

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.

Reviewed:

GENERAL EDUCATION REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS			9 credits
<i>Students are required to take one course from each subcategory</i>			
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
+COMX	111	Introduction to Public Speaking	3
COMX	115	Introduction to Interpersonal Communication	3
LSCI	125	Research in the Information Age	3
BMIS	150	Computer Literacy	3
CATEGORY II: NATURAL SCIENCES			6 cr. lecture & 1 cr. lab
<i>Students are required to take one course from each subcategory and at least one corresponding lab <u>or</u> SCIN 101, 102, 103 & 104</i>			
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
CATEGORY III: SOCIAL SCIENCES AND HISTORY			6 credits
<i>Students are required to take one course from each subcategory</i>			
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
PSYX	231	Human Relations	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	220	Introduction to Comparative Government	3
PSCI	210	Introduction to American 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	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
A&SC/ SOCI/WS	274	Women, Culture, and Society	3
SPNS	150	The Hispanic Tradition	3

CATEGORY V: ARTS & HUMANITIES			6 credits
<i>Students are required to take one course from each subcategory</i>			
Subcategory A – Fine Arts			3 credits
ARTZ	101	Art Fundamentals	3
ARTZ	131	Ceramics for Non-majors	3
ARTZ	105	Visual Language-Drawing	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
HON	121	Perspectives and Understanding	3
HON	281	The American Intellectual Heritage (1620-1877)	3
HON	282	The American Intellectual Heritage (1877-Present)	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.

Course	Credits	Grade	Semester	Equivalent
Recommended Preparatory Courses				

Required Preparatory Courses				

Required Courses				
CAPP	120	Introduction to Computers	3	
DDSN	110	Technical Drawing Lecture	4	
DDSN	111	Technical Drawing Lab	3	
DDSN	116	3D CAD	3	
DDSN	135	SolidWorks	3	
DDSN	244	GIS Mapping	2	
MART	208	Multimedia Technology	3	

Restricted Electives chosen in consultation with faculty advisor – 8 credits required				

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

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
CAPP 120	3	DDSN 244	2
DDSN 110	4	DDSN 116	3
DDSN 111	3	General Education	10
General Education	6	Total	15
Total	16		

Third Semester	Credits	Fourth Semester	Credits
MART 208	3	DDSN 135	3
General Education	12	Elective	2
Total	15	General Education	9
		Total	14

Categories	Credits	Earned	Remaining
General Education	31	_____	_____
Required Courses	23	_____	_____
Restricted Electives	8	_____	_____
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.

Selected Courses and Prerequisites

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

Drafting and Design Technology Associate of Science Program requirements:

Course	Required Pre-requisite	Recommended Pre-requisite	Required Co-Requisite	Recommended Co-requisite	Term Offered
CAPP 120					F, F#, S, S#, X, X#
DRFT 109				DRFT 128	F,S
DRFT 110				DRFT 128	F,S
DRFT 128	DRFT 109			DRFT 110	F,S
DSGN 116	DRFT 109, 110, M114				S
DSGN 204	CAPP 120				F,S
DSGN 214	DRFT 108 or 109, and DRFT 110	DRFT 128			F,S
CATEGORY 1 A: Mathematics (3 cr)	M111, M095 or appropriate placement				F, F#, S, S#, X, X#
CATEGORY 1 B: English (WRIT 101 + 3cr)	WRIT 095 or appropriate placement				F, F#, S, S#, X, X#
CATEGORY 1 C: Information Literacy (3 cr)					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 (6 cr)					F, F#, S, S#, X, X#
CATEGORY IV A: History (3 cr)					F, F#, S, S#, X, X#
CATEGORY IV B: Cultural Diversity (3 cr)					F, F#, S, S#, X, X#
Category V	DSGN 248				F, S

A: Arts (3 cr)					
Category V B: Humanities	3 credits				F, F#, S, S#, X, X#

Program Specific Information

Students should know the following information:

- 1.) The Drafting and Design program offers a variety of degree options. Students wishing to get the most in depth knowledge in drafting and design should plan to take the Associate of Applied Science degree.
- 2.) Students in certificate programs should always take the highest level math and English courses possible. If a student tests into college level English they should take that course not WRIT 104.
- 3.) This program has limited transfer potential to an Architecture or Engineering degree at a 4 year University. A student wishing to pursue that type of degree while beginning at the COT should choose the AS degree option since the General Education courses are more easily transferred.
- 4.) DRFT 108 and DSGN 208 are potential electives for the Drafting and Design students. Pre-Drafting students not registered in DRFT 109 and 110 their first semester could take DRFT 108 to get better a base in AutoCad. A student that is signed up in DRFT 109 and 110, it is not recommended or necessary to take DRFT 108.
- 5.) The second and third semesters of the AAS alternate which means that your second semester could look different depending on when you start your coursework.



2013-2014 Drafting and Design AS Plan of Study

for _____

Date: _____

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
Total		Total	

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
CAPP 120	3	DDSN 244	2
DDSN 110	4	DDSN 116	3
DDSN 111	3	Gen Ed: WRIT	3
Gen Ed: WRIT101	3	Gen Ed:	3 (Social Science)
Gen Ed: M	3	Gen Ed:	3 (Science)
		Gen Ed:	1 (Science)
Total		Total	

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
MART 208	3	DDSN 135	3
Gen Ed:	3 (Communication and Information Literacy)	Elective:	2
Gen Ed:	3 (History)	Gen Ed:	3 (Cultural Diversity)
Gen Ed:	3 (Arts)	Gen Ed:	3 (Humanities)
Gen Ed:	3 (Social Science)	Gen Ed:	3 (Science)
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: _____