


# ACADEMIC MAP

Drafting, A.A.S.



## Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
MATH 125 TECHNICAL MATHEMATICS	4	
ENGL 101 ~COMPOSITION 1	3	
DRAF 220 FUND OF MICROSTATION WITH 3D	3	
DRAF 111 FUND OF DRAFTING USING AUTOCAD	3	
AESTHETICS, CREATIVITY, AND APPRECIATION	3	
<b>TOTAL:</b>	<b>17</b>	



The **Associate of Applied Science in Drafting** offers a high quality and diversified curriculum that prepares students for work in the fields of engineering, simulation software design, architecture and graphic design. Students complete courses in 3-D modeling, simulation, parametric modeling and architectural drafting focusing on the use of AutoCAD, 3DSMax, Inventor, Microstation and Revit in addition to courses focusing on visual design, drafting and sketch rendering concepts.

## Semester 2

COURSE	CR	COMMENTS
FREE ELECTIVE	2	
FREE ELECTIVE	3	
DRAF 112 ADV DRAFTING TECHNIQUES	3	
DRAF 122 FUNDAMENTALS OF 3D STUDIO MAX	3	
DRAF 116 3D MODELING WITH AUTOCAD	3	
<b>TOTAL:</b>	<b>14</b>	




**MILESTONE COURSE:** These courses are the keys to graduation. Courses should be taken in the recommended semesters to stay on time for completion.



**CAREER PLANNING:** Detail Draftsman, Design Draftsman, Architectural Designer, Digital Imaging Assistant, Simulation Developer.

## Semester 3

COURSE	CR	COMMENTS
DRAF 212 STRUCTURAL DESIGN	3	
DRAF 213 SCHEMATIC DRAFTING	3	
DRAF 225 ADV WORK WITH 3D STUDIO MAX	3	
DRAF 226 3D PARAMETRIC MODEL W/INVENTOR	3	
SCIENTIFIC INQUIRY ELECTIVE	4	
<b>TOTAL:</b>	<b>16</b>	




**CAPSTONE COURSE:** A semester long course to prepare for industry certification exam (American Design Drafting Association).



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

## Semester 4

COURSE	CR	COMMENTS
HUMAN COMMUNICATION AND INTERACTION ELECTIVE	3	
DRAF 229 AUTODESK REVIT	3	
DRAF 227 AUTODESK SIMULATION	3	
DRAF 228 3D ARCHITECTURAL DRAFTING	3	
DRAF 260 DRAFTING CAPSTONE	1	
<b>TOTAL:</b>	<b>13</b>	

**TOTAL DEGREE CREDITS:**

**60**

2022-2023

# Foundational Learning Courses (FLCs):

To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

<b>Aesthetics, Creativity, and Appreciation</b>	<b>Human Communication and Interaction</b>	<b>People and Their Worlds</b>	<b>Quantitative Reasoning</b>	<b>Scientific Inquiry</b>	<b>Writing and Rhetoric</b>
ART-101	COMM-105	ECON-201	MATH-120	ASTR-106 BIOL-101	ENGL-101
ART-111	COMM-111	ECON-202	MATH-125	BIOL-102	ENGL-102
ENGL-131	COMM-112	GEOG-102	MATH-126	BIOL-103	ENGL-107
ENGL-132	COMM-202	HIST-101	MATH-211	BIOL-104	
ENGL-221		HIST-102		BIOL-107	
ENGL-222		HIST-152		BIOL-108	
ENGL-241		HIST-153		BIOL-109	
ENGL-242		HIST-250		BIOL-115	
ENGL-257		PHIL-111		BIOL-117	
ENGL-261		PHIL-150		BIOL-171	
ENGL-262		PHIL-231		CHEM-111	
ENGL-285		POLS-101		CHEM-115	
MUSI-170		POLS-102		CHEM-116	
THEA-101		PSYC-101		GEOL-101	
		PSYC-241		GEOL-102	
		SOC-101		GEOL-103	
		SOC-107		GEOL-104	
		SOC-221		GEOL-105	
				PSCI-101	
				PSCI-111	
				PSCI-112	
				PHYS-101	
				PHYS-102	
				PHYS-111	