

DRAFTING, A.A.S.

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.

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.

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.

Total Degree Credits: 60

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE	1
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr) Elective - (MATH 125 or higher is required)		3
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr)		3
DRAF 220	FUND OF MICROSTATION WITH 3D	3
DRAF 111	FUND OF DRAFTING USING AUTOCAD ¹	3
Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) (ART 111 is preferred)		3
Hours		16
Semester 2		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)		3
Free Elective		3
DRAF 112	ADVANCE DRAFTING TECHNIQUES	3
DRAF 122	FUNDAMENTALS OF 3D STUDIO MAX ¹	3
DRAF 116	PROGR & 3D MODELING W/ AUTOCAD ¹	3
Hours		15
Semester 3		
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 ¹	3
Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective		4
Hours		16
Semester 4		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) Elective		3
DRAF 229	AUTODESK REVIT	3
DRAF 227	AUTODESK SIMULATION	3
DRAF 228	ARCHITECTURAL DRAFTING	3
DRAF 260	DRAFTING CAPSTONE ²	1
Hours		13
Total Hours		60

¹ Milestone course

² Capstone course

Degree requires a total of 60 credit hours. [Core Course Credit Hours : 20]

Code	Title	Hours
Core Courses		
COLL 101	ORIENTATION TO COLLEGE ¹	1
	Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) ²	3
	Quantitative Reasoning ³	3
MATH 125	TECHNICAL MATHEMATICS (or higher)	
	Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) ²	4
	Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) ⁴	3
	Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) ²	3
	People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw) ²	3
Program Courses		
DRAF 111	FUND OF DRAFTING USING AUTOCAD	3
DRAF 220	FUND OF MICROSTATION WITH 3D	3
DRAF 112	ADVANCE DRAFTING TECHNIQUES	3
DRAF 116	PROGR & 3D MODELING W/ AUTOCAD	3
DRAF 122	FUNDAMENTALS OF 3D STUDIO MAX	3
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
DRAF 227	AUTODESK SIMULATION	3
DRAF 228	ARCHITECTURAL DRAFTING	3
DRAF 229	AUTODESK REVIT	3
DRAF 260	DRAFTING CAPSTONE	1
	Free Elective ⁵	3
Total Hours		60

¹ Institutional Graduation Requirement.

² Any in this area

³ MATH 125 TECHNICAL MATHEMATICS at minimum or higher is needed daily by a Drafter on the job. Drafters use geometric calculations on the job every day.

⁴ Recommend ART 111 DRAWING 1 for in person student

⁵ Recommend CS 101 INTRO TO PC APPLICATIONS