



Academic Map
Engineering Design – Associate of Applied Science
 (CIP 15.1301)

For timely completion of degree requirements, students must follow the guidelines below. Contact the Program Director for the most up-to-date course schedules.

Students who plan to pursue this degree path may not register for Academic or Technical Courses offered outside of stated degree requirements.

Courses	
College Readiness Courses (if needed)	
Semester I	Hours
DFTG 1405 Introduction to Technical Drawing*	4
DFTG 1409 Basic Computer-Aided Drafting*	4
DFTG 1410 Specialized Basic Computer-Aided Drafting (CAD)*	4
MATH 1314 College Algebra	3
Semester II	
MATH 1316 Plane Trigonometry*	3
DFTG 1417 Architectural Drafting – Residential*	4
DFTG 2319 Intermediate Computer-Aided Drafting*	3
DFTG 1430 Civil Drafting I*	4
ENGL 1301 Composition I	3
Semester III	
Language, Philosophy, & Culture or Creative Arts on the AAS General Education Course List	3
DFTG 2406 Machine Design*	4
DFTG 2407 Electrical Drafting*	4
ARCE 1352 Structural Drafting*	3
Semester IV	
DFTG 2338 Final Project – Advanced Drafting (Capstone Course)**	3
DFTG 2423 Pipe Drafting*	4
DFTG 2432 Advanced Computer-Aided Drafting*	4
Social & Behavioral Science on the AAS General Education Course List	3
60 Semester Credit Hours	

*Students must maintain a grade of “C” or higher in all Engineering Design courses to be eligible for the AAS – Engineering Degree.

**DFTG 2338 must be taken during the students graduating semester. If summer graduation is planned, DFTG 2338 must be taken in the spring semester before the anticipated graduation. DFTG 2338 is not offered during the summer sessions.

Choose. Connect. Complete.