ENGINEERING DESIGN GRAPHICS MECHANICAL SPECIALTY, ASSOCIATE OF APPLIED SCIENCE

Plan of Study

3DFT-M

First Term		Credits
DFTG 1305	Introduction to Technical Drawing	3
DFTG 1409	Basic Computer-Aided Drafting	4
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
ENGL 1301	Composition I	3
	Credits	**13**
Second Term		
DFTG 1433	Mechanical Drafting	4
DFTG 1445	Parametric Modeling and Design	4
DFTG 2317	Descriptive Geometry	3
DFTG 2440	Solid Modeling/Design	4
	Credits	**15**
Summer Year One Term		
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
	Credits	**3**
Third Term		
DFTG 2402	Machine Drafting	4
DFTG 2406	Machine Design	4
DFTG 2450	Geometric Dimensioning and Tolerancing	4
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
	Credits	**15**
Fourth Term		
DFTG 2435	Advanced Technologies in Mechanical Design and Drafting	4
DFTG 2458	Advanced Machine Design	4
DFTG 2386 or DFTG 2338	Internship-Drafting and Design Technology/Technician [1] or Final Project - Advanced Drafting	3
Social and Behavioral Sciences or Government/Political Science or American History		3
	Credits	**14**
	Total Credits	**60**

Capstone Experience:[1] DFTG 2386 Internship-Drafting and Design Technology/Technician or DFTG 2338 Final Project - Advanced Drafting

[1] The course selected to satisfy the Capstone Experience (DFTG 2386 Internship-Drafting and Design Technology/Technician or DFTG 2338 Final Project - Advanced Drafting) can only be taken during or after the term in which the last required Engineering Design Graphics courses are completed.

Courses may be applied to earn the Certificate of Technology, then the Level 2 Certificate, and finally the Associate of Applied Science (AAS) degree when the courses are in the same specialty discipline.

Courses **do not** have to be taken in this order unless a course has a prerequisite.

For more detailed information on this program, contact the Department Chair or faculty.