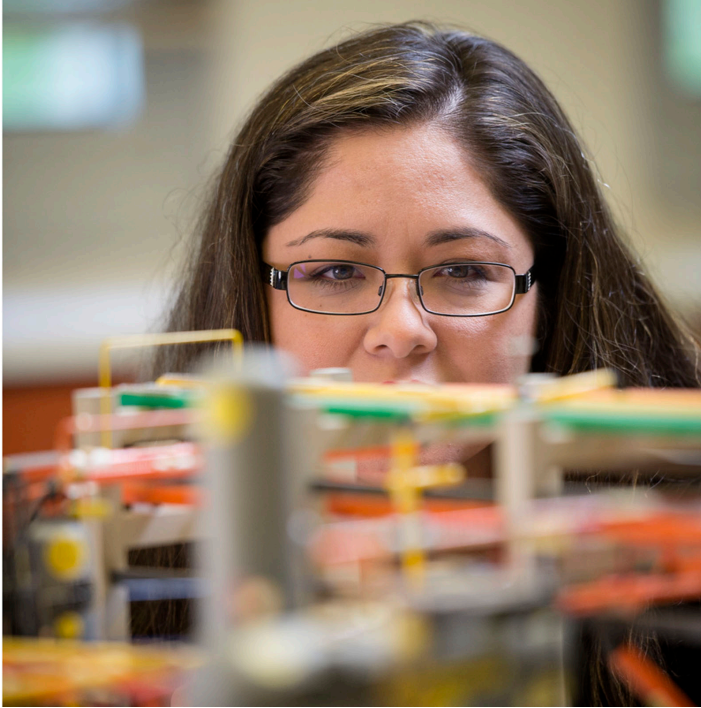


# ENGINEERING DESIGN GRAPHICS MECHANICAL SPECIALTY, LEVEL 2 CERTIFICATE



MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
<b>Credits</b>		<b>15</b>
<b>Fourth Term</b>		
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 <sup>2</sup> or Final Project - Advanced Drafting	3
<b>Credits</b>		<b>11</b>
<b>Total Credits</b>		<b>51</b>

**Capstone Experience:**<sup>1</sup> DFTG 2386 Internship-Drafting and Design Technology/Technician or DFTG 2338 Final Project - Advanced Drafting

<sup>1</sup> 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.

## Plan of Study

5DFT-M

First Term		Credits
DFTG 1305	Introduction to Technical Drawing	3
DFTG 1409	Basic Computer-Aided Drafting	4
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	
<b>Credits</b>		<b>10</b>
<b>Second Term</b>		
DFTG 1433	Mechanical Drafting	4
DFTG 1445	Parametric Modeling and Design	4
DFTG 2317	Descriptive Geometry	3
DFTG 2440	Solid Modeling/Design	4
<b>Credits</b>		<b>15</b>
<b>Third Term</b>		
DFTG 2402	Machine Drafting	4
DFTG 2406	Machine Design	4
DFTG 2450	Geometric Dimensioning and Tolerancing	4