

## Industrial Design Technology Certificate (CERT1) (CIP 15.1301)

281-756-3784

**Purpose:** The one-year program prepares the student for entry into the design and drafting occupation.

**Program Requirements:** A minimum of 30 hours is required for this certificate.

<i>Course Number</i>	<i>Course Title</i>	<i>Credits</i>
<b>First Semester</b>		
DFTG 1409	Basic Computer-Aided Drafting	4
POFI 1301	Computer Applications I	<u>3</u>
		7
<b>Second Semester</b>		
DFTG 1305	Technical Drafting	3
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2440	Solid Modeling and Design	<u>4</u>
		11
<b>Third Semester</b>		
<sup>^</sup> DFTG Specialization	Select from Mechanical, Piping or General Specialization	<u>12</u>
		12
Total Credits Required for Industrial Design Technology Certificate .....		30

<sup>^</sup> Students must complete 12 credit hours in either the Mechanical, Piping, or General areas of specialization

### Mechanical Specialization

DFTG 1445 - Parametric Modeling & Design  
DFTG 1433 - Mechanical Drafting

\* DFTG 2406 - Machine Design

### Piping Specialization

DFTG 2457 - Advanced Tech Pipe Design & Drafting  
DFTG 2423 - Pipe Drafting

\* DFTG 2445 - Advanced Pipe Drafting

### General Specialization

DFTG 2423 - Pipe Drafting  
\* DFTG 1433 - Mechanical Drafting  
DFTG 1445 - Parametric Modeling & Design

\*Capstone Course

## Industrial Design Technology

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### CADD Operator Certificate (CERT1) (CIP 15.1301)

**Purpose:** The two-semester program prepares the student to use AutoCAD 2D and 3D features..

**Program Requirements:** A minimum of 15 hours is required for this certificate.

<i>Course Number</i>	<i>Course Title</i>	<i>Credits</i>
<b>First Semester</b>		
DFTG 1409	Basic Computer-Aided Drafting	4
POFI 1301	Computer Applications I	<u>3</u>
		7
<b>Second Semester</b>		
DFTG 2419	Intermediate Computer-Aided Drafting	4
* DFTG 2440	Solid Modeling and Design	<u>4</u>
		8
Total Credits Required for Industrial Design Technology CADD Operator Certificate .....		15

\*Capstone Course