

# Industrial Design Technology Certificate (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 1204	Computer Fundamentals	<u>2</u>
		<b>6</b>
<b>Second Semester</b>		
DFTG 1405	Technical Drafting	4
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2440	Solid Modeling and Design	<u>4</u>
		<b>12</b>
<b>Third Semester</b>		
<sup>^</sup> DFTG Specialization	Select from Mechanical, Piping or General Specialization	<u>12</u>
		<b>12</b>
Total Credits Required for Industrial Design Technology Certificate.....		<b>30</b>

<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