

### First Fall Semester (August – December)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 100</a>	Engineering Drawing Theory I	42	1.5
<a href="#">ENGO 105</a>	Auto CAD Theory I	70	2.5
<a href="#">ENGO 110</a>	Mechanical Drafting Lab I with CAD	84	3
Total		196	7

### First Spring Semester (January – May)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 115</a>	Engineering Drawing Theory II	42	1.5
<a href="#">ENGO 120</a>	Auto CAD Theory II	70	2.5
<a href="#">ENGO 125</a>	Mechanical Drafting Lab II with Cad	84	3
Total		196	7

### First Summer Session (May – July)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 130</a>	Mechanical Drafting Lab III with Cad	28	1
• Selected Behavioral Science Course		48	3
Total		76	4

### Second Fall Semester (August – December)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 200</a>	Engineering Drawing Theory III	42	1.5
<a href="#">ENGO 205</a>	Fundamentals of Solid Modeling I	56	2
<a href="#">ENGO 210</a>	Mechanical Drafting Lab IV with Cad	98	3.5
Total		196	7

### Second Spring Semester (January – May)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 215</a>	Engineering Drawing Theory IV	42	1.5
<a href="#">ENGO 220</a>	Fundamentals of Solid Modeling II	56	2
<a href="#">ENGO 225</a>	Mechanical Drafting Lab V with Cad	98	3.5
Total		196	7

### Second Summer Session (May – July)

Course Number	Course Title	Clock Hours	Credit
<a href="#">ENGO 230</a>	Fundamentals of Solid Modeling III	56	2
<a href="#">ENGO 235</a>	Engineering Drawing Theory V	56	2
Total		112	4

- Students will select a course in the following area to meet general education requirements. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements. Students should speak with an advisor before selecting transferable courses.

#### Behavioral Science

[PSYC 100](#) – Psychology of Human Relations

[PSYC 101](#) – General Psychology \*

**Note:** Labs will be on campus as assigned in the following format:

- Every other weekend starting in August
- Friday lab time is 5:00 – 9:00 p.m. (4 hours) Saturday lab time is 8:00 a.m. – 4:30 p.m. (8 hours)
- Fall and spring sessions equal 9 weekends (108 hours or approximately 3.5 credits)  
Summer sessions equal 5 weekends (60 hours or approximately 2 credits)

# Mechanical Drafting Online – Second Year Option



## Semester Outline

Associate of Applied (A.A.S.) Degree  
18 Months Credits Required for Graduation: 36

2010 – 2011 Revised: 5/10

### First Fall Semester (August – December)

Course Number	Course Title	Clock Hours	Credit
ENGO 135	Advanced Drawing Theory I	42	1.5
ENGO 140	Mechanical Lab and Solid Modeling I	84	3
ENGO 145	Basic Principles of Machine Tool	84	3
Total		210	7.5

### First Spring Semester (January – May)

Course Number	Course Title	Clock Hours	Credit
ENGO 150	Advanced Drawing Theory II	42	1.5
ENGO 155	Mechanical Lab with Solid Modeling II	84	3
ENGO 160	Basic Principles of Welding	84	3
Total		210	7.5

### First Summer Session (May – July)

Course Number	Course Title	Clock Hours	Credit
<a href="#">CIS 102</a>	Windows Applications for Technicians	48	3
• Selected Communications Course		48	3
Total		96	6

### Second Fall Semester (August – December)

Course Number	Course Title	Clock Hours	Credit
ENGO 240	Advanced Drawing Theory III	42	1.5
ENGO 245	Mechanical Lab with Solid Modeling III	84	3
Total		126	4.5

### Second Spring Semester (January – May)

Course Number	Course Title	Clock Hours	Credit
ENGO 250	Advanced Drawing Theory IV	42	1.5
ENGO 255	Mechanical Lab with Solid Modeling IV	84	3
Total		126	4.5

### Second Summer Session (May – July)

Course Number	Course Title	Clock Hours	Credit
• Selected Mathematics Course		48	3
• Selected Social Science Course		48	3
Total		96	6

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements. Students should speak with an advisor before selecting transferable courses.

#### Communications

[COMM 101](#) – Contemporary Communication  
[ENGL 101](#) – Composition \*  
[SPCM 101](#) – Fundamentals of Speech \*

#### Mathematics

[MATH 100](#) – Applied General Math  
[MATH 101](#) – Intermediate Algebra  
[MATH 102](#) – College Algebra \*

#### Social Science

[ECON 105](#) – Leadership in the Global Workplace  
[ECON 201](#) – Principles of Microeconomics I \*  
[ECON 202](#) – Principles of Macroeconomics II \*  
[SOC 100](#) – Introduction to Sociology \*

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