

**ENGINEERING TECHNOLOGY:**

**Engineering Drafting**

Certificate

**AL, AN**

*Purpose:* This program is designed to provide the student with the skills to obtain employment as a draftsman in any of the many engineering firms and other organizations requiring drafting and design professionals. This program will also transfer to the associate degree program in Mechanical Engineering. Occupational objectives include mechanical draftsman, electronics draftsman, engineering aide, electromechanical draftsman, and CAD operator.

<b>One Year</b>		<b>Credits</b>
<b>1st Semester</b>		
CSC	110 Intro. to Computing or ETR 106 Basic Programming Applied to Electrical/Electronic Calculations	3-2
EGR	115 Engineering Graphics	2
ENG	111 College Composition I	3
<sup>1</sup> MTH	103 Applied Technical Math I or MTH 115 Technical Math I	3
<sup>2</sup> ___	Social Science Elective	3
SDV	Elective	<u>1</u>
	<b>Total</b>	<b>15-14</b>
<b>2nd Semester</b>		
DRF	152 Engineering Drawing Fund. II	3
DRF	201 Computer Aided Drafting & Design I	4
MEC	112 Processes of Industry	3
MEC	118 Automated Manufacturing Tech.	3
<sup>1</sup> MTH	104 Applied Technical Math II or MTH 116 Technical Math II	3
___	Technical Elective	<u>2</u>
	<b>Total</b>	<b>18</b>

**Total credits for the Engineering Drafting Certificate = 33-32.**

<sup>1</sup> MTH 166, 5 cr., or MTH 163-164, 6 cr., may also be substituted for MTH 103-104.

<sup>2</sup> The social science elective may be selected from the economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54.