

## Northern Virginia Community College 2009-2010 Catalog

### 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.

#### One Year

#### Credits

##### 1st Semester

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
MTH	163 Precalculus I	3
<sup>1</sup> _____	Social Science Elective	3
SDV	Elective	<u>1</u>
	<b>Total</b>	<b>15-14</b>

##### 2nd Semester

DRF	152 Engineering Drawing Fundamentals II	3
DRF	201 Computer Aided Drafting & Design I	4
MEC	112 Processes of Industry	3
MEC	118 Automated Manufacturing Tech.	3
MTH	164 Precalculus II	3
<sup>2</sup> _____	Technical Elective	<u>2</u>
	<b>Total</b>	<b>18</b>

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

<sup>1</sup> The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives.

<sup>2</sup> Technical electives may be selected from ARC, CIV, DRF, or ETR prefixes. MEC 210 (which is offered only on Annandale Campus) may also be selected.