

Northern Virginia Community College 2008-2009 Catalog

ENGINEERING TECHNOLOGY

Associate of Applied Science

AL, AN

Purpose: This curriculum is designed to prepare students for employment in Civil Engineering, Mechanical Engineering, or Drafting technology fields. The degree also prepares individuals to transfer into a baccalaureate degree program in these fields.

Two Years		Credits
1st Semester		
ARC	121 Architectural Drafting I	3
¹ CIV	171 Surveying I	3
ENG	111 College Composition I	3
ETR	106 Basic Prog. Applied to Electrical/Electronic Calculations or CSC 110 Introduction to Computing	2-3
² PED	116 Lifetime Fitness & Wellness	1
³ _____	Social Science Elective	3
SDV	Elective	<u>1</u>
	Total	16-17
2nd Semester		
ARC	133 Construction Methodology & Procedures I	3
DRF	201 Computer Aided Drafting & Design I	4
⁴ MEC	112 Processes of Industry	3
⁵ MTH	166 Precalculus with Trigonometry	5
² PED/RPK	Elective	<u>1</u>
	Total	16
3rd Semester		
¹ CIV	210 Structural Systems	5
EGR	115 Engineering Graphics	2
EGR	130 Statics and Strength of Materials	5
⁶ HIS	101 History of Western Civilization I	3
⁷ SPD	Elective	<u>3</u>
	Total	18
4th Semester		
ARC	122 Architectural Drafting II	3
DRF	140 Technical Drawing	3
DRF	202 Computer Aided Drafting & Design II	4
⁴ MEC	118 Automated Manufacturing Technology	3
⁸ PHY	201 General College Physics I	<u>4</u>
	Total	17

Total credits for the A.A.S. Degree in Engineering Technology = 67-68.

¹ CIV classes are offered only on the Alexandria campus.

² The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. Plus a PED activities course, 1 cr.; or PED 116, 1 cr. Plus RPK 205, 216 or 225. PED 116 is offered as both a 1-credit and a 2-credit course.

³ The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives. Students planning to transfer should consider taking HIS 101-102 or HIS 111-112.

⁴ MEC courses are offered only on the Annandale campus.

⁵ MTH 163-164, Precalculus I-II, may be substituted for MTH 166.

⁶ Or select HIS 102, 111-112, 255, or 256 with approval of faculty advisor.

⁷ The SPD elective may be selected from the following: SPD 100, 110, 115, 126, 227 or 229.

⁸ Individuals planning to transfer to a Mechanical Engineering Technology baccalaureate program should take PHY 201-202.