

**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.

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

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

<sup>1</sup> CIV classes are offered only on the Alexandria campus.

<sup>2</sup> 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.

<sup>3</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. Students planning to transfer should consider taking HIS 101-102 or HIS 111-112.

<sup>4</sup> MEC courses are offered only on the Annandale campus.

<sup>5</sup> MTH 163-164, Precalculus I-II, may be substituted for MTH 166.

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

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

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