

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
⁶ CST	Elective	3
EGR	115 Engineering Graphics	2
EGR	130 Statics and Strength of Materials	5
⁷ —	Humanities/Fine Arts 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.

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⁴ MEC courses are offered only on the Annandale campus.

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

⁶ The CST elective may be selected from the following: CST 100, 110, 115, 126, 227 or 229.

⁷ Humanities/fine arts elective may be selected from the humanities/fine arts courses listed under General Education Electives.

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