

**Engineering Technology – Management**

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 33

DEGREE CODE: ETMGT-CT

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology - Management Emphasis is designed for students who hold an associate degree in Engineering Technology with Emphasis in either Electronics, Telecommunications, or Slot and Self-Service Device Technology. This certificate is intended for students who wish to develop their managerial, technical, and employability skills beyond a two-year degree in Engineering Technology and fulfill the growing demand for entry-level engineering technologists. This certificate is a 12- to 18-month program. It is also used for the third year of a 3 + 1 path to a bachelor’s degree (see a counselor for which associate degrees fulfill this requirements for the 3 + 1 the programs with other schools).

**STUDENT LEARNING OUTCOMES**

- Demonstrate advanced technical proficiency in general engineering technology.
- Demonstrate skills in leadership, resource management, quality assurance, and productivity analysis.
- Incorporate work-based experience gained from ET course work, internships, and other employment-focused activities.
- Recommend best practices in service and support.
- Evaluate project performance from a management perspective.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: ENG 102 Composition II

**Plus 3 Credits (3 credits)**

Recommended: COM 115 Applied Communications

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (3 credits)**

ET 494 Senior Project 3

**Electives #1 (choose 18 credits)**

CIT 319	Managing Business Data Networks	3
CIT 363	Advanced Project Management and Earned Value	3
ET 301	Customer Service Management	3
ET 313	Advanced Radar	3
ET 389	Advanced Electronics Troubleshooting	3
ET 410	Business Telecommunications	3
ET 420	Control Systems	3
ET 430	Electrical Power Systems	3

**Electives #2 (choose 6 credits)**

Select 6 credits from the following that were NOT used for your AAS degree.  
 CIT; CPE; CSCO; EE; EGG; ET; MATH 124 or higher; PHYS; MT 104B, 115B, 116B

Computation included in ET 494

Human Relations included in ET 494

**FULL-TIME STUDENT DEGREE PLAN**

*Plan can be modified to fit the needs of part-time students by adding more semesters.*

**FIRST SEMESTER Credits**

ENG 102 Composition II	3
Complete Electives #1 (see courses this page)	9
<b>TOTAL CREDITS</b> .....	<b>12</b>

**SECOND SEMESTER Credits**

COM 115 Applied Communication	3
Complete Electives #1 (see courses this page)	6
Complete Electives #2 (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

**THIRD SEMESTER Credits**

ET 494 Senior Project	3
Complete Electives #1 (see courses this page)	3
Complete Electives #2 (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

**DEGREE PLAN TOTAL CREDITS**.....**33**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

