

Engineering Technology – Management

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: ETMGT-CT

IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at www.csn.edu/gainful-employment.

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*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
ENG 102 Composition II	3
Complete Electives #1 (see courses this page)	9
TOTAL CREDITS	12
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
Complete Electives #1 (see courses this page)	6
Complete Electives #2 (see courses this page)	3
TOTAL CREDITS	12
THIRD SEMESTER	Credits
ET 494 Senior Project	3
Complete Electives #1 (see courses this page)	3
Complete Electives #2 (see courses this page)	3
TOTAL CREDITS	9
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.
 - 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.

