



FUNDAMENTALS OF ENGINEERING CERTIFICATE (FUEN.CERT)

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The Fundamentals of Engineering Certificate prepares students to transfer to, or enroll in, four-year institutions as engineering majors. The certificate fulfills many of the first two years of academic requirements for engineering programs. Certificate graduates could also find employment as engineering technicians. While students should verify information with their transfer institutions, these students are advised by mathematics and engineering faculty members according to their specific program goals for the best transfer options.

Minimum credits:.....	41
Minimum cumulative GPA:.....	2.0
Minimum grade in all courses:.....	2.0
Minimum JCC credits:.....	12
MACRAO Agreement:	No

GENERAL EDUCATION REQUIREMENTS – (6 CREDITS)

Take the following:

- ENG 131 Writing Experience I
- ENG 132 Writing Experience II

PROGRAM CORE REQUIREMENTS – (35 CREDITS)

Take the following:

- CPS 177 Programming in C++
- CEM 141 General Chemistry I
- MTH 151 Calculus I
- MTH 154 Calculus II
- MTH 251 Calculus III
- MTH 254 Differential Equations
- PHY 251 Modern University Physics I
- PHY 252 Modern University Physics II