ENGINEERING FUNDAMENTALS (CT.EGN)

CERTIFICATE OF ACHIEVEMENT

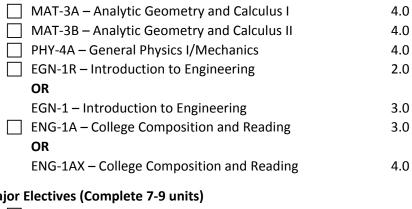
Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate the ability to write computer programs and apply them towards solving engineering problems.
- acquire, develop, and refine the prerequisite mathematics, physics, and chemistry foundational skills to be successful in sophomore level engineering courses such as Statics, Circuit Analysis, or Materials Science and Engineering.
- formulate and demonstrate a plan to appropriately select the courses they will need to transfer to a four-year university.

Recommended electives by major:

Civil/Mechanical Engineering	EGN-5, CHM-1A
Computer Engineering	CSS-1, CSS-2A
Electrical Engineering	CSS-1, CSS2A or CHM-1A

Required Major Courses (17-19 units)



Ma

ajor Electives (Complete 7-9 units)		
☐ EGN-5 – Programming and Problem Solving in MATLAB	3.0	
CSS-1 — Intro to Computer Science & Programming Fundamentals	4.0	
CSS-2A – Object Oriented Programming	4.0	
CHM-1A – General Chemistry I	5.0	

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below: http://www.hartnell.edu/gainf ul-employment-certificateprograms-0

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

https://www.hartnell.edu/stud ents/fa/net-pricecalculator.html

TOTAL: 24-28 UNITS