



## STEM

Science, Technology,  
Engineering, and  
Mathematics

# ASSOCIATE IN ENGINEERING (AE)

## ABOUT THE PROGRAM

The Associate in Engineering (AE) degree is a planned program of study consisting of a minimum of 60 semester hours of credit. This program prepares students to transfer courses or the degree in its entirety to a four-year senior institution. The degree plan includes all required general education and prerequisite courses that are acceptable to all state-funded Bachelor of Engineering programs. Admission into Bachelor of Engineering programs is highly competitive and admission is not guaranteed.



## Possible Employment In Industry

North Carolina Articulation Agreements:  
<http://bit.ly/2FmTxgc>



## Top Employers In Region

Example Programs at Senior Institutions:  
Bachelor of Electrical and Computer Engineering  
Bachelor of Mechanical Engineering  
Bachelor of Civil Engineering  
Bachelor of Nuclear Engineering  
Bachelor of Coastal Engineering



## Occupational Statistics



## CCCC Career Community

Students in the STEM career community enjoy logic challenges and problem solving, and they may be hands-on or theoretical in their approach. These students think critically and analytically and are detail-oriented. They may be interested in using technology to make processes more efficient. STEM students enjoy classes in mathematics and/or natural sciences. Graduates are employed in a wide range of careers such as technicians, computer programmers, scientists, engineers, and teachers.



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## Degrees

Associate in Applied Science in Electronics Engineering Technology (A40200; LMC, HMC (First semester only); Day) - Five semesters (summer)  
Associate in Science in Engineering (A10500; LMC-Day, Selected Evening, HMC and PMC Selected Courses) - Four semesters



## Diplomas

None



## Certificates

None



## State Licensure/Exams/ Industry Certifications

None



## Additional Admissions Process

College-level Math and English ready; Calculus I may require prerequisite courses not included in AE



## Skills In Demand For Program And Industry



## Transfer Options

East Carolina University  
North Carolina State University  
University of North Carolina at Charlotte  
North Carolina A&T State University  
Western Carolina University



## Work-Based Learning Information

None



## Additional Program Costs

None



To find all program planning guides, contact information, and more, scan the QR code or visit [www.cccc.edu/programs](http://www.cccc.edu/programs)