COMPUTER SCIENCE – GENERAL
ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION: This program is designed for students who plan to continue their education in pursuit of a four-year degree in Computer Science. The program includes all of the necessary courses to qualify for the MTA Articulation Agreement. All facets of business find computers and information systems to be essential. Qualified individuals are needed to relate the problem-solving abilities of a computer system to a company’s operations. In this curriculum, students are preparing to work as computer programmers, programmer-analysts, systems analysts, network administrators, software application developers, database administrators, business intelligence analyst, web developers, software systems developers, or computer systems engineers in business and industry.

GENERAL EDUCATION REQUIREMENTS  CREDITS: 29-30
- ENG 111 or ENG 121  ENGLISH COMPOSITION I (3/3) or ADVANCED ENGLISH COMPOSITION I (3/3)
- ENG 112 or ENG 122  ENGLISH COMPOSITION II (3/3) or ADVANCED ENGLISH COMPOSITION II (3/3)
- PLS 221  AMERICAN GOVERNMENT & POLITICS (3/3)
- MTH 123  COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)
- MTH 131  ANALYTIC GEOMETRY & CALCULUS I (5/5) A
- MTH 132  ANALYTIC GEOMETRY & CALCULUS II (5/5) A
- MTH 221  C++ PROGRAMMING (4/5) A
- CIS 206  OBJECT ORIENTED PROGRAMMING (3/4) A

SUGGESTED ELECTIVES  CREDITS: 15
- Electives will change depending on area of concentration and the specific four-year transfer institution’s requirements. Consult your ACC academic advisor.
- CNS 170  PC REPAIR & MAINTENANCE (4/5) A
- CNS 150  NETWORK FUNDAMENTALS (3/4) A
- MTH 231  ANALYTIC GEOMETRY & CALCULUS III (5/5) A
- GENERAL ELECTIVE (3/3-4)

MINIMUM 60 CREDIT HOURS/65 CONTACT HOURS

NOTES:
A  Included in occupational specialty.
A grade of 2.0 or higher must be maintained in occupational specialty courses
B  Students must meet placement requirements, prerequisite requirements, or have instructor permission.