PROGRAM DESCRIPTION:
The Associate in Science for Transfer (AS-T) degree in Computer Science prepares students for transfer to four-year colleges and universities for upper-division coursework in the study of information systems, their representation, architecture, and implementation. Computer Science is the study of the methods by which data is accessed, stored and retrieved, including representational computation, programming languages, algorithmic modeling, and software design, testing and development. Student in the Computer Science program study and apply their knowledge of mathematics, physics and logic to solve a variety of problems using current technology. Coursework includes programming languages and concepts, systems analysis, mathematics, physics, computer hardware and data structures.

The program is suited to the needs of students who will complete their education at Chaffey College with an associate degree, as well as those students who will complete their Chaffey associate degree and then transfer to a four-year institution to complete their bachelor's degree. Successful completion of the Associate in Science in Computer Science for Transfer guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree in preparation to pursue a career in the field of computer science.

HOW DO I KNOW THIS MAJOR IS FOR ME?
- You enjoy using data to solve problems
- You want to learn about computer software and hardware
- You pay close attention to details and have strong critical thinking skills
- You enjoy collecting data
- You like making decisions
- You want to create new technology

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?
- Computer Support Technician
- Web Developer
- Computer Network Support
- Systems Specialist

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
- Scientific Research and Development Services
- City/County Offices
- Software Publishers
- Educational Institutions
- Federal/State Government
- Non-Profit Organizations
- Small Businesses
- Computer System Design Services & Consulting
- Internet Access Providers

WHAT IS THE POTENTIAL WAGE OUTLOOK?
This Associate Degree may lead to a position as a Computer Support Technician, which according to O*NetOnline, the median salary in 2018 in California was $59,430 annually. The job and wage outlook will vary based on the position selected within this major. To review current salary information and job outlook for other occupational titles, visit www.onetonline.org.

WHAT CAN I DO IN THE FUTURE WITH MORE EDUCATION?
The positions below require at least a bachelor’s degree in Computer Science. According to the EDD/LMID Occupational Employment Statistics Survey, 2018 the median wage in California for Computer Research Scientists was $60.12 per hour. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides.
- Computer Research Scientist
- Information Researcher
- Computer Systems Analyst
- Quality Assurance Analyst
- System Architect
- Systems Developer
- Information Security Engineer
- Computer Security Analyst
- University Professor
- Software Developer
- Computer Programmer
- HS Teacher
- Network Administrator
- Network Architect
- Database Analyst
- Database Programmer
- Computer Science Analyst
- Database Administrator
- Database Analyst
- Database Programmer

For additional information about career pathways and to find out if this major is a good fit for you visit the Career Center located in MACC 203. Career information was collected from www.onetonline.org and www.bls.gov.
MAJOR AND COURSE REQUIREMENTS:

To obtain the Computer Science AS-T degree, students must:

- Complete all the major requirements listed below with grades of C or better.
- Complete a minimum of 60 CSU-transferable units with a grade point average (GPA) of 2.0 or better.
- Complete either the California State University General Education Breadth pattern (CSUGE) or the Intersegmental General Education Transfer Curriculum (IGETC).

LEGEND: G=Grade   IP=In Progress   N=Need   Bold: Prerequisites   Plain Text: No Prerequisites

Student Name: ____________________________
ID#: ____________________________
Date: ____________________________
Counselor: ____________________________

### Major Requirements for the Associate in Science for Transfer Degree:

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<th>Course Code</th>
<th>Course Title</th>
<th>Grade</th>
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<td>Programming Concepts and Methodology I</td>
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Units for major: 30

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COUNSELOR NOTES:

$46 per unit for CA Residents