COMPUTER INFORMATION TECHNOLOGY

Associate in Science Degree (CIP # 1511010307)
This program is designed for students who wish to develop information technology skills in technical customer service, information technology support, and computer security. There is significant flexibility in this degree. It is designed for students who seek immediate employment, and it provides the option for students to transfer as a junior to complete a four-year Bachelor's degree in Information Systems Technology.

Students are strongly encouraged to consult a career program advisor in the department office for assistance in determining the best education plan for their career goals.

Although scheduling may not always provide for the following progression of courses, students should use the foundation, intermediate and advanced course sequence as a guide in program planning.

All degree-seeking students must satisfy entry testing requirements and satisfactorily complete all mandatory courses in reading, student success, mathematics, English, and English for Academic Purposes in which the student is placed.

Alternative Ways to Earn Credit toward this Degree
Graduates of specific programs at Orange Technical College and Osceola Technical College, as well as other institutions may be eligible to receive college credit for courses in this program. You may also be eligible to receive credit toward this degree if you have earned one of the approved Gold Standard industry certifications or Career Pathways credit. To learn more about Valencia's award of credit options, visit valenciacollege.edu/asdegrees/credit_octc.cfm (http://valenciacollege.edu/asdegrees/transferagreements.cfm). Eligible students should contact the Career Program Advisor in their academic department for more information about the requirements for the award of credit.

College Credit Technical Certificates
The Computer Information A.S. degree also offers the following college credit certificate programs. These certificates can put you on the fast-track to reaching your career goals. They are designed to equip you with a specialized skill set for entry-level employment or to upgrade your skills for job advancement. Most can be completed in one year or less, and all of the courses in the certificates are embedded in the A.S. degree. You can earn the certificates as you progress through your A.S. Degree or as a separate, stand-alone credential. Click on the Certificate tab at the top of the page for more information about the certificates that are offered.

- Computer Information Data Specialist (9 credits) (CIP # 0611050109)
- Computer Information Technology Specialist (18 credits) (CIP # 0511010311)
- Computer Information Technology Analyst (27 credits)
  - IT Security Specialization (CIP # 0511010312)
  - IT Support Specialization (CIP # 0511010312)
  - Mobile Devices and Cloud Computing (24 credits) (CIP # 0511010309)

Start Right
Degree-seeking students enrolling at Valencia for the first time will have a limited range of courses from which to choose for their first 18 college-level credits. Within the first 18 college credit hours, you will be required to take ENC1101 (3 credits), and if applicable, SLS 1122 (3 credits) and a mathematics course appropriate to your selected major (3 credits). The remaining courses will be chosen from the General Education Core Courses in humanities (3 credits), science (3 credits), or social science (3 credits), and/or the introductory courses within the A.S. degree programs. For specific courses see the Foundation Courses on the “Program Requirements” tab. For course sequencing recommendations, see your Career Program Advisor or create an education plan by logging into Atlas, clicking on the LifeMap tab and clicking My Education Plan.

Potential Careers
- Technical Support Analyst
- User Support Analyst/Specialist
- Applications Systems Analyst
- Information Systems Specialist
- Software Tester/Trainer
- Computer Information Manager
- Internet Security Specialist
- PC Support Technician
- Help Desk Technician
- Security Administrator

Salary & Earnings Information
For salary and wage information, visit: www.floridawages.com (http://www.floridawages.com).

Contacts
Future Students
To learn more about this program, contact Enrollment Services at enrollment@valenciacollege.edu or call 407-582-1507 or visit valenciacollege.edu/computer-information-technology (https://net1.valenciacollege.edu/future-students/degree-options/associates/computer-information-technology).

Current Students
Contact the campus Career Program Advisor below for more information:

East Campus
Dave Brunick, Program Chair: 407-582-2360
dbrunick@valenciacollege.edu
Launa Sickler, Career Program Advisor: 407-582-2504
lsickler@valenciacollege.edu

West Campus
Joan Alexander, Program Chair: 407-582-1542
jalexander@valenciacollege.edu
Jon Sowell, Career Program Advisor, West Campus: 407-582-1973
jsowell@valenciacollege.edu (jsowell@valenciacollege.edu)

Osceola Campus
Denise Ross, Program Chair: 407-582-4818
derosss@valenciacollege.edu
Roxana Boulos, Career Program Advisor: 407-582-4231
rboulos1@valenciacollege.edu (mgonzalez10@valenciacollege.edu)
Internship and Workforce Services

If you need assistance with job resources or in locating an internship, please visit: valenciacollege.edu/internship (http://valenciacollege.edu/internship).

Program Outcomes

- Analyze technical problems as related to customer requirements.
- Design a logical plan for the development of technical requirements.
- Develop resources to meet technical requirements.
- Implement computer systems solutions including documentation.
- Evaluate computer systems problems, plans, and solutions for correctness and appropriateness.
- Communicate effectively with technical and non-technical audiences.

Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>FRESHMAN COMPOSITION I **~</td>
<td>3</td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td>See Gen. Ed. Core Requirement +*~</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>See Gen. Ed. Core or Institutional Requirement +*~</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1134C</td>
<td>NETWORK ESSENTIALS N1</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>COMPUTER FUNDAMENTALS AND APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1131C</td>
<td>COMPUTER MAINTENANCE ESSENTIALS A1</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1142C</td>
<td>INFORMATION TECHNOLOGY PROJECT MANAGEMENT P1</td>
<td>3</td>
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<tr>
<td>SLS 1122</td>
<td>New Student Experience ~</td>
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Intermediate Courses

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<th>Course</th>
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<tbody>
<tr>
<td>CET 2792C</td>
<td>INSTALLING AND CONFIGURING WINDOWS SERVER</td>
<td>3</td>
</tr>
<tr>
<td>CET 2793C</td>
<td>ADMINISTERING WINDOWS SERVER</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2091C</td>
<td>SOCIAL, LEGAL AND ETHICAL ISSUES IN INFORMATION TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1120C</td>
<td>INTRODUCTION TO NETWORK SECURITY S1</td>
<td>3</td>
</tr>
<tr>
<td>COP 2822C</td>
<td>WEB SITE DEVELOPMENT C1</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>DATABASE MANAGEMENT SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics-Macro ~</td>
<td>3</td>
</tr>
<tr>
<td>Computer Information Technology Business Elective</td>
<td>3</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles Of Economics-Micro</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction To Business</td>
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Advanced Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Computer Information Technology Electives 2</td>
<td>8</td>
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</tr>
<tr>
<td>CIS 2910C</td>
<td>IT CAPSTONE **3</td>
<td>3</td>
</tr>
<tr>
<td>CIS 2943</td>
<td>INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY 7</td>
<td>1</td>
</tr>
<tr>
<td>or CGS 2650</td>
<td>Social Networking Job Search</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 60

1 Any of these courses not being used for a degree requirement may be used for the Business Elective credit. Students planning to transfer to a four-year institution are encouraged to consult a career program advisor to determine the best course selection for transfer.

2 Any course with a subject prefix of CET, CGS (except CGS 1060C INTRODUCTION TO COMPUTERS), CTS, CAP, CIS, COP, or COT not already used to satisfy program requirements.

3 CIS 2910C IT CAPSTONE is taken in last semester or with department approval, and satisfactory completion of all mandated discipline specific foundation and intermediate technical courses.

A1 This course is part of a sequence which prepares students for a CompTIA A+ certification examination.

C1 This course is part of a sequence which prepares students for a C1W Foundations certificate examination

N1 This course is part of a sequence which prepares students for a Network + certification examination

P1 This course is part of a sequence which prepares students for a Project + certification examination.

S1 This course is part of a sequence which prepares students for a Security + certification examination.

(Gr) Denotes a Gordon Rule course.

Notes:

Specialized courses may not be offered every session or on every campus.

Upon earning the Computer Information A.S. degree, you can continue at Valencia to complete the B.A.S. degree in Business & Organizational Leadership (http://catalog.valenciacollege.edu/degrees/bachelorofscience/bas). Additional education at the bachelor's level can enhance your skills and create more career opportunities. Students who wish to continue their education should consult with their Career Program Advisor to discuss transfer options and requirements, and determine the best education plan for their career goals.

Students wishing to transfer credits from this program to another institution must accept responsibility for securing approval from the transfer institution for acceptance of this degree.

Computer Information Data Specialist

Technical Certificate

Program Outcomes

- Design a logical plan for the development of technical requirements
- Develop resources to meet technical requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 2910C</td>
<td>COMPUTER MAINTENANCE ESSENTIALS A1</td>
<td>3</td>
</tr>
<tr>
<td>CTS 1134C</td>
<td>NETWORK ESSENTIALS N2</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>DATABASE MANAGEMENT SYSTEMS</td>
<td>3</td>
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</tbody>
</table>

Total Credit Hours 9

^1 This course is part of a sequence which prepares students for a CompTIA A+ certification examination
This course is part of a sequence which prepares students for a Network + certification examination.

**Computer Information Technology Analyst with Specializations in:**

- IT Security
- IT Support

**Technical Certificate**

**Foundation Courses**

- **CGS 2100C** COMPUTER FUNDAMENTALS AND APPLICATIONS 3
- **CTS 1131C** COMPUTER MAINTENANCE ESSENTIALS A1 3
- **CTS 1142C** INFORMATION TECHNOLOGY PROJECT MANAGEMENT 3
- **CTS 1134C** NETWORK ESSENTIALS N1 3
- **CTS 1120C** INTRODUCTION TO NETWORK SECURITY S1 3
- **CTS 2321C** Linux System Administration L1 3
- **COP 2341C** LINUX SHELL SCRIPTING L1 3

**Specialization (See below)**

- Computer Information Technology Electives 1

**Total Credit Hours** 27

**IT Security Specialization**

**Program Outcomes**

- Design a logical plan for the development of technical requirements.
- Develop resources to meet technical requirements.
- Evaluate computer systems problems, plans, and solutions for correctness and appropriateness.
- Implement computer systems solutions including documentation.

- **CTS 2317C** ADVANCED NETWORK SECURITY 3

**Total Credit Hours** 3

**IT Support Specialization**

**Program Outcomes**

- Analyze technical problems as related to customer requests.
- Evaluate computer systems problems, plans, and solutions for correctness and appropriateness.
- Communicate effectively with technical and non-technical audiences.

- **CTS 1155C** Int to Cust Svc and Help Desk 3

**Total Credit Hours** 3

**Mobile Devices and Cloud Computing Technical Certificate**

**Program Outcomes**

- Design a logical plan for the development of technical requirements.
- Develop resources to meet technical requirements.
- Implement computer systems solutions including documentation.
- Evaluate computer systems problems, plans, and solutions for correctness and appropriateness.

- **CGS 2100C** COMPUTER FUNDAMENTALS AND APPLICATIONS 3
- **CTS 1142C** INFORMATION TECHNOLOGY PROJECT MANAGEMENT 3

**Notes:**

Specialized courses may not be offered every session or on every campus.

* This course has a prerequisite; check description in Valencia catalog.
1 Any course with a subject prefix of CET, CGS (except CGS 1060C INTRODUCTION TO COMPUTERS), CTS, CAP, CIS, COP, or COT not already used to satisfy program requirements
A1 This course is part of a sequence which prepares students for a CompTIA A+ certification examination.
N1 This course is part of a sequence which prepares students for a Network + certification examination.
S1 This course is part of a sequence which prepares students for a Security + certification examination.
P1 This course is part of a sequence which prepares students for a Project + certification examination.
L1 This course is part of a sequence which prepares students for a Linux + certification examination.
CTS 1131C  COMPUTER MAINTENANCE ESSENTIALS A1

CTS 1134C  NETWORK ESSENTIALS N1  3
CTS 1120C  INTRODUCTION TO NETWORK SECURITY S1  3

CTS 2144C  MOBILE DEVICE ESSENTIALS M1  3
CTS 2145C  CLOUD ESSENTIALS C1  3

Computer Information Technology Electives  3

Total Credit Hours  24

* This course has a prerequisite; check description in Valencia catalog.
1 Any course with a subject prefix of CET, CGS (except CGS 1060 or CGS 1060C INTRODUCTION TO COMPUTERS), CTS, CAP, CIS, COP, or COT not already used to satisfy program requirements
A1 This course is part of a sequence which prepares students for a CompTIA A+ certification examination.
C1 This course is part of a sequence which prepares students for a CompTIA Cloud+ certification examination.
M1 This course is part of a sequence which prepares students for a CompTIA Mobility+ certification examination.
N1 This course is part of a sequence which prepares students for a CompTIA Network+ certification examination.
P1 This course is part of a sequence which prepares students for a CompTIA Project+ certification examination.
S1 This course is part of a sequence which prepares students for a CompTIA Security+ certification examination.