

COMPUTER & INFORMATION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE, PROGRAMMING OPTION (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (21 hours min.) SEMESTER COMPLETED GRADE/CREDIT HRS.

Communications (9 hours)

- ENGL 1113 English Composition I+
- ENGL 1213 English Composition II+
- OR** ENGL 2053 Technical Report Writing+
- MCOM 1213 Public Speaking

U.S. History/U.S. Government (6 hours)

- HIST 1483 U.S. History to 1877
- OR** HIST 1493 U.S. History Since 1877
- POLS 1113 American Federal Government

General Education (6 hours minimum)

- MATH 1483 Functions & Modeling+
- OR** MATH 1513 College Algebra+
- ECON 2103 Personal Finance

PROGRAM REQUIREMENTS (21 hours)

Students must earn a “C” or better in these courses to be eligible for graduation.

- CIT 1113 Fundamentals of Programming Logic
- CIT 1503 Network+ Certification Preparation
- CIT 1523 Computer Hardware & Operating Systems
- CIT 1533 Principles of Cybersecurity
- CIT 1613 Introduction to Java® Programming+
- CIT 2013 Database Theory & Design
- CIT 2313 Capstone Project+

OPTION REQUIREMENTS (12 hours)

Students must earn a “C” or better in these courses to be eligible for graduation.

- CIT 1173 C++® Language+
- CIT 1203 Script Programming+
- CIT 1713 C#® (C Sharp) Programming+
- CIT 2613 Advanced Java® Programming+

SUPPORT & RELATED ELECTIVES (9 hours)

- CIT 2103 Access®+
- ECON 2503 Introduction to Investments
- Choose 3 hours from the following courses:**
- BA 2503 Business Communication
- ECON 2843 Elements of Statistics+
- CIT 2323 Security+ Certification Preparation
- CIT 2883 Reverse Engineering+
- MGMT 2503 Project Management

+Check course description for prerequisites that must be met.

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Programming Certificate Requirements—12 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 1173 C++® Language+		
CIT 1203 Script Programming+		
CIT 1713 C#® (C Sharp) Programming+		
CIT 2613 Advanced Java® Programming+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The “+” symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

<p style="text-align: center;"><u>1st Semester</u></p> <p>CIT 1113 Fundamentals of Programming Logic CIT 1503 Network+ Certification Preparation CIT 1523 Computer Hardware & Operating Systems CIT 1533 Principles of Cybersecurity 3-6 hours General Education Requirements</p>	<p style="text-align: center;"><u>2nd Semester</u></p> <p>CIT 1203 Script Programming+ CIT 1613 Introduction to Java® Programming+ 3 hours Support & Related Electives 3-6 hours General Education Requirements</p>
<p style="text-align: center;"><u>3rd Semester</u></p> <p>CIT 1173 C++® Language+ CIT 2013 Database Theory & Design CIT 2613 Advanced Java® Programming+ 3 hours Support & Related Electives 3-6 hours General Education Requirements or other CIT/MULT course</p>	<p style="text-align: center;"><u>4th Semester</u></p> <p>CIT 1713 C#® (C Sharp) Programming+ CIT 2313 Capstone Project+ 3 hours Support & Related Electives 3-6 hours General Education Requirements <u>or</u> other CIT/MULT course</p>