COMPUTER & INFORMATION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE, DATABASE 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)		
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.

Course	SEMESTER COMPLETED	GRADE/CREDIT HRS.
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+		
MGMT 2313 Introduction to Management Information Systems		
CIT 2313 Capstone Project+		

OPTION REQUIREMENTS (12 hours)
Students must earn a "C" or better in these courses to be eligible for graduation.

Course	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 2013 Database Theory & Design		
CIT 2103 Access®+		
CIT 2183 Advanced Database Design+		
CIT 2393 Structured Query Language (SQL™)+		

SUPPORT & RELATED ELECTIVES (9 hours)

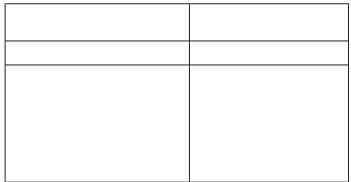| Course	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Any CIT/MULT course **except** CIT 1093 **OR** CIT 1103 **OR** MULT 1133		
ECON 2503 Introduction to Investments		
Choose 3 hours from the following courses: BA 2503 Business Communication; ECON 2843 Elements of Statistics+; CIT 2323 Security+ Certification Preparation; CIT 2883 Reverse Engineering+; MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Computer & Information Technology Associate in Applied Science Degree, Database Option (63 Credit Hours Minimum)

Database Developer 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 2013 Database Theory & Design		
CIT 2103 Access®+		
CIT 2183 Advanced Database Design+		
CIT 2393 Structured Query Language (SQL™)+		

+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.

<u>1st Semester</u>	<u>2nd Semester</u>
CIT 1113 Fundamentals of Programming Logic	CIT 1613 Introduction to Java® Programming+
CIT 1503 Network+ Certification Preparation	CIT 2183 Advanced Database Design+ (2nd 8 weeks, Spring only)
CIT 1523 Computer Hardware & Operating Systems	CIT 2393 Structured Query Language (SQL™)+ (1st 8 weeks, Spring only)
CIT 2013 Database Theory & Design (1st 8 weeks)	3 hours Support & Related Electives
CIT 2103 Access®+ (2nd 8 weeks)	3-6 hours of General Education Requirements
<u>3rd Semester</u>	**<u>4th Semester</u>**
MGMT 2313 Introduction to Management Information Systems	CIT 1533 Principles of Cybersecurity
MATH 1483 Functions & Modeling+	CIT 2313 Capstone Project+
OR MATH 1513 College Algebra+	3 hours Support & Related Electives
ECON 2103 Personal Finance	3-6 hours of General Education Requirements or other CIT/MULT course
3 hours Support & Related Electives	
3-6 hours of General Education Requirements or other CIT/MULT course	