Bachelor of Science in Computing
Concentration in Information Technology

ROCK STUDIES REQUIREMENTS (39 41 credits)

Course	Title	Cr
THE ROCK (12-13 credits)		
EXEMPT	Foundations of Academic Discovery	0
✓ ENGL 102	Critical Writing **SRU requires ENGL 102 instead of ENGL 110**	3
ENGL 104	Critical Reading	3
COMM 200 or PHIL 110 or POLS 235	Civil Discourse / Ethics and Civil Discourse / Civil Discourse and Democracy	3
MATH 125 or MATH 225 or MATH 230 or MATH 231 or STAT 152	Pre-Calculus / Calculus I / Calculus II / Calculus III / Elementary Statistics I	4 / 4 / 4 / 4 / 3 ◊
INTEGRATED INQUIRY (14-16 credits)		
Creative and Aesthetic Inquiry (3 credits)		
		3
Humanities Inquiry (3 credits)		
		3
Social Science Inquiry (2-3 credits)		
✓	**PHED 125 or HLTH 120**	**2-3**
Natural Science Inquiry (4 credits)		
✓	**Natural Science with lab**	**4**
Physical Science Inquiry (3 credits)		
SCI 102	Understanding the Physical World	3
THEMATIC THREAD – Additional Transfer Credits (12 credits)		
✓ MATH 199	**Math – SRU recommends MATH 100 or 101 instead of BUSN 121**	**3**
✓ ENGL 101	**ENGL 101-College Writing**	**3**
✓ MRKT 1TR	**BUSN 113-Salesmanship**	**3**
✓ MRKT 1TR	**BUSN 187-Internet & Social Media Marketing**	**3**

COMPUTER COMPETENCY (3 credits)
Students must demonstrate   computer competency   by:

Passed Exam	Pass Computer Competency Exam at SRU	
OR		
CPSC ___ ✓ **COMP 101**	Complete one of the following courses: CPSC 100, 110, 130, or PE202 at SRU or another post-secondary institution	3

OTHER BASIC REQUIREMENTS
(Check with your advisor or a current degree audit report to see if you have been exempted from this course.) The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

EXEMPT	Beginning Algebra	

★	Course may have a prerequisite. See Undergraduate Online Catalog.
^	Course counts for 50% of Major requirements and Major GPA
◊	Course can be counted as a Rock Studies Requirement, but earns credit only once toward your 120-credit total.
PASSHE = Pennsylvania State System of Higher Education Institution	

Co-curricular and Experiential Learning
Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes, (Learning Community, Cap-Stone Course, Semester Projects
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)
6. Industry Awareness Night

MAJOR/CONCENTRATION REQUIREMENTS (54 credits)
- **27 major credits must be taken at SRU or PASSHE**
- **27 major credits must be taken at the 300 level or above**

Course	Title	Cr
Required Core Courses (27 credits)		
✓ CPSC 130^	Intro to Computing and Programming ★ **COMP235**	3
✓ CPSC 146^	Programming Principles ★ **Computer Elective: SRU recommends COMP 237 instead of COMP 272**	3
CPSC 207^	Shell Commands and Scripting	3
✓ CPSC 300^	Challenges of Computer Tech ★ **COMP208**	3
CPSC 311^	Discrete Computational Structures ★	3
✓ CPSC 323^	Database Systems ★ **COMP229**	3
CPSC 327^	Administration and Security ★	3
CPSC 423^	Computer Networks ★	3
STAT 152^	Elementary Statistics I ★ ◊	3
Information Technology Core Courses (15 credits)		
✓ CPSC 217^	Structured & Dynamic Web Prog. ★ **COMP253**	3
CPSC 237^	Mobile App Development for Smart Devices ★	3
CPSC 315^	Internet of Things (IoT) ★	3
✓ CPSC 317^	Server-Side Scripting ★ **COMP254**	3
CPSC 427^	IT Capstone Project ★	3
Information Technology Electives (6 credits) **Choose two courses in sequence from one of the following areas:**		
Cybersecurity		
CYBR 101^	Cybersecurity in the Era of Evolving Technology	3
CPSC 301^	Practical Computer Security ★	3
or Management		
MGMT 351^	Organizational Behavior	3
MGMT ___ ^	Any MGMT course 300 level or above ★	3
Information Technology Electives (6 credits) **Choose two additional courses; one must be at the 300 level or above.**		
CPSC 125	3D Modeling for Computing ★	3
✓ CPSC 236^	Selected Computer Languages ★ **COMP231**	3
CPSC 246^	Advanced Programming Principles ★	3
CPSC 301^	Practical Computer Security ★	3
CPSC 333^	Intro to Computer Forensics ★	3
CPSC 405^	Data Mining and Data Analysis ★	3
CPSC 406^	Data Visualization ★	3
CPSC 417^	Advanced Web Technologies ★	3
CPSC 450^	Internship ★	3
CSS 354^	Risk Assessment and Fraud Protection	3

FREE ELECTIVES (22 24 credits)

✓ CPSC 2TR	**COMP 210-Productivity Software**	**3**
✓ MIS 210	**COMP 242-Microcomputing Applications**	**3**
✓ CPSC 2TR	**COMP 245-Web Page Design Tools**	**3**
✓ MIS 413	**COMP 247-Systems Analysis & Design**	**3**
✓ TRNS 1TR	**GENL 111-Job Readiness**	**1**
✓ MGMT 1TR	**BUSN 127-Customer Service**	**3**

BC3 SRU Computer Information Systems Web Site Development Specialist, A.A.S. to Computing Computing Analytics, B.S.

Curriculum Category	Credits Completed	Credits Needed
Rock Studies	**21-22**	**18-19**
Computer Competency	**3**	**0**
Major Requirements	**21**	**33**
Free Electives	**16**	**6-8**
TOTAL CREDITS	**61-62**	**58-59**

Students need a minimum of 120 credits to graduate from SRU. If the BC3 student transfers in with 61 credits, 59 credits are required at SRU. If the student transfers in with 62 credits, 58 credits are required at SRU.