

Slippery Rock University of Pennsylvania - Curriculum Guide

Bachelor of Science in Computing Concentration in Information Technology

LIBERAL STUDIES REQUIREMENTS (45-46 credits)

See Liberal Studies Guide for Goal and Enrichment choices

GOAL COURSE REQUIREMENTS

Complete Goal requirements as indicated below (36-37 credits)

✓	Course	Title	Cr	Gr
Basic Requirements (9 credits)				
	ENGL 102	Critical Writing	3	
	ENGL 104 or ENGL 220	Critical Reading ★ or Intro to Literary and Cultural Studies★	3	
	COMM 200	Civil Discourse	3	
The Arts (3 credits)				
	Goal		3	
Global Community (9 credits)				
	Goal – Non-US		3	
	Goal – Non-US		3	
	Goal – US		3	
Human Institutions/Interpersonal Relationships (3 credits)				
	Goal		3	
Science, Technology & Math (9-10 credits)				
	Goal – Sci		3	
	Goal – Sci		3	
	Lab – Sci		0-1	
	Goal - Math		3	
Challenges of the Modern Age (3 credits)				
	Goal		3	
ENRICHMENT COURSE REQUIREMENTS (9 credits)				
Choose one course from three of the following Enrichment areas				
The Arts				
Global Community				
Human Institutions/Interpersonal Relationships				
Science, Technology & Math				

COMPUTER COMPETENCY

Students must demonstrate "computer competency" by:

	Passed Exam	Pass Computer Competency Exam		
O	CPSC ____	Complete one of the following courses: CPSC 100, 110, 130, or PE 202 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.

	ACSD 110	Beginning Algebra	3	
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IMPORTANT CURRICULUM GUIDE NOTES

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisors to ensure accurate progress towards degree completion. The information on this guide is current as of the date below. Students are responsible for curriculum requirements at the time of enrollment at the University.

★	Course may have a prerequisite. See Undergraduate Online Catalog.
◇	Course can be counted as both a Major and a Liberal Studies Requirement, but earns credit only once toward your 120-credits total.
^	Course counts for 50% of Major and Major GPA

PASSHE – Pennsylvania State System of Higher Education Institutions

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	Gr
Required Core Courses (27 credits)				
	CPSC 130^	Intro to Computing and Programming★	3	
	CPSC 146^	Programming Principles ★	3	
	CPSC 207^	Shell Commands and Scripting	3	
	CPSC/MIS 300^	Challenges of Computer Tech	3	
	CPSC 311^	Discrete Computational Structures★	3	
	CPSC 323^	Fundamentals of Database Systems★	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 and Dynamic Web Programming ★	3	
	CPSC 317^	Scripting Language ★	3	
	CPSC 337^	Intro to Web Graphics ★	3	
	CPSC 427^	Interface Design ★	3	
	ART 114^	Basic Studio Digital Media	3	
Information Technology Electives (6 credits)				
Choose two courses in sequence from one of the following areas:				
Art				
	ART 214^	Art Synthesis Digital Media ★	3	
	ART 314^	Advanced Studio Digital Media★	3	
Management				
	MGMT 351^	Organizational Behavior	3	
	MGMT ____^	Any MGMT course 300 level or above★	3	
Marketing				
	MRKT 330^	Principles of Marketing	3	
	MRKT ____^	Any MRKT course 300 level or above★	3	
Information Technology Electives (6 credits)				
Choose two additional courses, one of which must be at the 300 level or above.				
	CPSC 125	3D Modeling for Computing★	3	
	CPSC 215^	Cross Platform Mobile App Dev★	3	
	CPSC 236^	Selected Computer Languages★	3	
	CPSC 246^	Advanced Programming Principles★	3	
	CPSC/MIS 301^	Practical Computer Security ★	3	
	CPSC 315^	Computer Gadget Project ★	3	
	CPSC/MIS 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	
	MIS 443^	Project Management	3	

ELECTIVES

GPA REQUIREMENT
2.0 or higher Major GPA
2.0 or higher Overall GPA

COMPUTING – BS (6420)
Concentration in Information Technology (643C)
Effective Summer 2018
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