EDINBORO UNIVERSITY OF PENNSYLVANIA

CURRICULUM REQUIREMENTS

Bachelor of Science

Major: Computer Science

Concentration: Theoretical Track (0494)

Student: _____ **ID: @**_____ **Term:** _____

I. GENERAL EDUCATION (43 SH)

		SH	Grade	Date
A. Skills				**13 SH)**
	ENGL101 College Writing Skills	3		
	ENGL102 Writ/Research	3		
	MATH107 Precalculus	4		
	CSCI 125 Intro. To Computer Science	3		
B. Core				**(21 SH)**
1.	**Artistic Expression**		**(3 SH)**	
2.	**World Civilizations**		**(3 SH)**	
3.	**American Civilizations**		**(3 SH)**	
4.	**Human Behavior**		**(3 SH)**	
5.	**Cultural Diversity & Social Pluralism**		**(3 SH)**	
6.	**Ethics**		**(3 SH)**	
7.	**Natural Science**		**(3 SH)**	
C. Distribution*				**(9 SH)**
1.	**Humanities & Fine Arts**		**(3 SH)**	
2.	**Social & Behavioral Sciences**		**(3 SH)**	
3.	**Science & Math***		**(3 SH)**	
	MATH 275 Linear Algebra I			

*Outside of Computer Science

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(Revised: September 2012; Approved: November 2012)
(Effective: Fall 2012; Printed: July 2014)

II. SPECIALIZATION: COMPUTER SCIENCE** (42 SH)

		SH	Grade	Date
A. Required Computer Science Courses				**(30 SH)**
CSCI 130	Principles of Programming I	3		
CSCI 230	Principles of Programming II	3		
CSCI 312	Computer Organiz & Architec	3		
CSCI 330	Object Orient Programming	3		
CSCI 380	Operating Systems	3		
CSCI 385	Data Struct/Algorithms	3		
CSCI 408	Software Engineering	3		
CSCI 410	Programming Languages	3		
CSCI 475	Data Comm/Networking	3		
CSCI 480	Computer Science Seminar	3		

B. Computer Science Electives (12 SH)

Twelve semester hours of CSCI courses at the 205 level or higher, which may include at most 3 SH of programming languages. At least 9 SH must be at the 300 level or higher. (CSCI496 **may not** be used to fulfill this requirement.)

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III. REQUIRED MATHEMATICS COMPONENT** (17 SH)

		SH	Grade	Date
MATH 211	Analytic Geometry/Calculus I	4		
MATH 212	Analytic Geometry/Calculus II	4		
MATH 270	Discrete Math I	3		
MATH 300	App Stats/Data Analysis	3		
MATH 370	Discrete Math II	3		

IV. REQUIRED SCIENCE (7 SH)

Must complete at least one approved lab science course

	SH	Grade	Date
_____			
_____			

V. FREE ELECTIVES (11SH)

	SH	Grade	Date
_____			
_____			
_____			
_____			

**A grade of C or better must be obtained in all CSCI and MATH courses.

**Must complete at least 30 credits of combined math and science credits.

NOTE: At most 12 computer science semester hours may be transferred into this degree program.

TOTAL# (120 SH)

#Note: At least 42 SH must consist of advanced coursework. At least 9 SH of advanced coursework must be taken toward Distribution, Required Science or Free Elective requirements.