Electrical Engineering and Computer Science
CSE Professional Elective Plan of Study

Student Name: _____ R#: _____
(Please print)

Specialization Area: _____

The courses taken as professional electives provide an opportunity for specialization in one of several areas. Before taking any professional elective courses, students must work with a faculty mentor to develop an elective plan of study and place it on file with the EECS department.

1. Fill out the following chart with the consultation of a Faculty Mentor.
2. Both you and your Faculty Mentor must sign.
3. Turn in to the EECS Undergraduate Director.

Course Number	Course Name	Semester Planned	Credit Hours
	TOTAL: Must be at least 9 hours.		

Signatures:

_____
Student **Date**

_____
Faculty Mentor **Date**

_____
Undergraduate Director **Date**

CSE Program Professional Electives for Specializations

Specialization Area	Faculty Advisors (CSE Program Faculty)	Professional Elective Courses
Artificial Intelligence	Kaur, Serpen and Xu	EECS 4120 Intro to Fuzzy Systems and Applications EECS 4740 Artificial Intelligence EECS 4750 Machine Learning EECS 4980 Biologically-Inspired Computing
Computer Security	Javaid and Thomas	EECS 4760 Computer Security EECS 4980 Fundamentals of Cyber Security EECS 4980 Inside Cryptography
Controls	Serpen	EECS 4200 Feedback Controls * EECS 4220 Programmable Logic Controllers EECS 4260 Control System Design **
Signal and Image Processing	Alam	EECS 4370 Information Theory and Coding EECS 4380 Digital Signal Processing EECS 4330 Image Analysis & Computer Vision
Software	Carvalho, Heuring, Ledgard and Thomas	EECS 4500 Programming Language Paradigms EECS 4520 Advanced Systems Programming EECS 4530 Computer Graphics I EECS 4560 Database Systems I EECS 4580 Human Computer Interface Design EECS 4980 Open Source Software Development EECS 4980 Algorithms

*Note: EECS 3220 is a prerequisite to this course.
**Note: EECS 4200 is a prerequisite to this course.
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