

Technical Electives for Electronics Engineering

(Approved 09/26/05)

All Computer and Electronics Engineering (CEEN) 3xxx and 4xxx courses.

Computer Science (CSCI) Courses:

3100/8105	Applied Combinatorics
3300/8305	Numerical Methods
4150/8156	Graph Theory and Applications
4220/8226	Principles of Programming Languages
4300/8306	Operations Research I
4310/8316	Operations Research II
4440/8446	Introduction to Parallel Computing
4450/8456	Introduction to Artificial Intelligence
4470/8476	Pattern Recognition
4510	Advanced Operating Systems
4530/8536	File Structures
4560/8566	Number Theory and Cryptography
4620/8626	Computer Graphics
4660/8666	Automata, Computability and Formal Languages
4760/8766	Topics in Modeling
4830/8836	Introduction to Software Engineering
4850/8856	Database Management Systems

Math (MATH) Courses:

3100/8105	Applied Combinatorics
3300/8305	Numerical Methods
4030/8036	Applied Modern Algebra
4150/8156	Graph Theory and Applications
4230/8236	Mathematical Analysis I
4240/8246	Mathematical Analysis II
4270/8276	Complex Variables
4300/8306	Operations Research I
4310/8316	Operations Research II
4330/8336	Introduction to Partial Differential Equations
4560/8566	Number Theory and Cryptography
4650/8656	Transform Methods & Applications
4660/8666	Automata, Computability and Formal Languages
4760/8766	Topics in Modeling

Physics (PHYS) Courses:

3250	Mathematical Methods of Physics
3750/8755	Electricity and Magnetism I
3760/8765	Electricity and Magnetism II
4200/8206	Introduction to Quantum Mechanics
4220/8226	Physics of Molecules and Solids