

**Computer Engineering
Engineering Electives, Fall 2008 catalog and later (catalogs 131 and later)**

The following courses have been approved for use in the Computing Engineering major as Engineering Electives:

- AERO 320, Numerical Methods (3). ***Not permitted if CSCE 442 also is on the degree plan.*** Prerequisites: AERO 220; MATH 308 or registration therein.
- BIOL 113, Essentials in Biology (3). No prerequisites listed.
- MEEN 221, Statics and Particle Dynamics (3). Prerequisites: admission to upper division in an engineering major; MATH 251 or 253 or registration therein; PHYS 218.
- MEEN 222, Materials Science (3). Prerequisites: CHEM 102, or 104 and 114, or CHEM 107/117; PHYS 218.
- MEEN 315, Principles of Thermodynamics (3). Prerequisites: MEEN 221; MATH 251 or 253.
- MATH 414, Fourier Series and Wavelets (3). Prerequisites: MATH 304, 311 or 325.
- MATH 442 (3), Mathematical Modeling (3). Prerequisites: MATH 304 and 308 or equivalents.
- MATH 471, Communications and Cryptography II (3). Prerequisites: MATH 470 or consent of instructor.
- PHYS 221, Optics and Thermal Physics (3). Prerequisites: PHYS 208 or 219; MATH 152 or 172; registration in MATH 221; 308.
- PHYS 222, Modern Physics for Engineers (3). Prerequisites: PHYS 208 or 219; MATH 308 or registration therein.

Prerequisites are as listed in the Fall 2010 catalog.