

Classes that satisfy ABE Design Electives

This list will evolve, check with your advisor.

Likely next offering

- ABE / BME/ CHEE 481A – Engineering of Biological Processes Fall 2008
- ABE / CHEE 481B – Cellular and Tissue Engineering Spring 2009
- ABE / AME 489a, b, c, d – Micro / nano technology courses Spring 2010
489b is taught by ABE Faculty, others are AME taught (offerings rotate on a 2 yr basis)
- ABE / CHEE 482 - Simulation of Biological Systems Summer 2008
- ABE AME 488 - Micro and Nano Transducer Physics and Design Spring 2010
- ABE / PLS 483 - Controlled Environment Systems Fall 2008
- ABE / MSE 486 – Cell / Tissue Interactions with Biomaterials Spring 2009
- ABE 426 - Soil and Water Conservation Engineering Fall 2008
- ABE 455 - Soil and Water Resources Engineering Fall 2008
- ABE 456 - Irrigation Systems Design Fall 2008
- ABE 458 - Agricultural Drainage and Effluent Treatment Spring 2009
- ABE 459 - Design of Onsite Wastewater Treatment and Dispersal Systems Fall 2008
- ABE / WSM 467 - Advanced Watershed Hydrology Fall 2008

Technical Electives

Below is a list of suitable technical electives. This list is not exhaustive. Check with your advisor before taking any electives to make sure that these courses meet your academic objectives.

Likely next offering

- ABE / PLS 475A - Physiology of Plant Production under Controlled Environment Spring 2009
- ABE 497C - Greenhouse Pest Management: Methods and Practice Spring 2009
- CHEM 241a/243a Organic Chemistry 1
- CHEM 241b/243b Organic Chemistry 2
- BIOC 460 - General Protein and Gen Metabolic Biochemistry
- BIOC 461- General Nucleic Acid Biochemistry
- BIOC 471A - Applied Molecular Genetics
- BIOC 473- Recombinant DNA Methods and Applications
- BME 510 - Biology for Biomedical Engineering Fall 2008
- BME 511 - Physiol. For Biomed. Engin. Spring 2009
- BME 516 - Principles of Biomedical Engineering Fall 2008
- BME 517 Data Analysis Biomed. Engin. Spring 2009
- MSE 461 - Biol. & Synthetic Materials Spring 2009
- AME 416 - Material Selection
- AME 445 - Renewable Energy Systems
- AME 466 - Biomechanical Engineering Fall 2008
- MCB 428 Microbial Genetics
- MIC 421A Microbiological Techniques
- SWES 200 Soils
- SWES 440 Biodegradation of pollutants in soil
- CHEE 370 Water Sup. & Wastewater
- CHEE 371 Water & Wastewater Treat.
- HWR 407 Subsurface Hydrology
- SWES 470 Soil Physics
- SWES 443 Remote Sensing Applications
- SWES 330 Introduction to Remote Sensing
- SWES 453 Remote Sensing of the Environ.
- CE 322 - Water Resources Engineering
- CE 323 - Hydraulic Engineering and Design
- CE 478 - Introduction to Hazardous Waste Management
- CE 484 - Fundamentals of Industrial and Environmental Health
- PLS 306 - Crop Science and Production
- PLS 312 - Plant Genetics
- PLS 340 Intro. to Biotechnology