## Approved Non-ENAE Tech Electives

| Course | Title |
|---|---|
| AMSC420 | Mathematical Modeling |
| AMSC460 | Computational Methods |
| AMSC466 | Introduction to Numerical Analysis I |
| AOSC431/2 | Atmospheric Thermodynamics |
| AOSC424 | Remote Sensing of the Atmosphere and Ocean |
| ASTR320 | Theoretical Astrophysics |
| ASTR410 | Radio Astronomy |
| ASTR421 | Galaxies |
| ASTR430 | The Solar System |
| BIOE411 | Tissue Engineering |
| BIOE415 | Bioengineering of exercise response |
| CMSC330 | Organization of Programming Languages |
| ENES489P | Hands-On Systems Engineering Projects |
| ENMA300 | Introduction to Materials Engineering |
| ENME332 | Transfer Processes |
| ENME400 | Machine Design |
| ENME414 | Computer-Aided Design |
| ENME430 | Fundamentals of Nuclear Reactor Engineering |
| ENME431 | Nuclear Reactor Systems and Safety |
| ENME470 | Finite Element Analysis |
| ENME489P | Special Topics in Mech E; internal combusion engines |
| MATH401 | Applications of Linear Algebra |
| MATH405 | Linear Algebra |
| MATH406 | Introduction to Number Theory |
| MATH410 | Advanced Calculus I |
| MATH420 | Mathematical Modeling |
| MATH462 | Partial Differential Equations |
| MATH463 | Complex Variables for Scientists and Engineers |
| MATH464 | Transform Methods for Scientists and Engineers |
| PHYS374 | Intermediate Theoretical Methods |
| PHYS420 | Principles of Modern Physics |
| STAT400 | Applied Probability and Statistics I |
| STAT410 | Introduction to Probability Theory |