|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Course Number and Title* | *Credits* | *Completed* | *In Progress* | *Future* |
| Mechanical Engineering and Mathematics Core  MATH 527 Introduction to Applied Mathematics for Scientists and Engineers  or  MATH 536 Partial Differential Equations  or  MATH 537 Principles of Applied Mathematics (3 cr)  ME 510 Continuum Mechanics (3 cr)  Select one of the following courses:  MATH 565 Numerical Methods I (3 cr)  MATH 571 Data Analysis (3 cr)  MATH 572 Computational Statistics (3 cr)  ME 536 Computational Fluid Dynamics (3 cr)  ME 570 Finite Element Methods (3 cr)  ME 571 Parallel Scientific Computing (3 cr)  Another course with a computational emphasis approved by the student’s advisor (3 cr) | 9 |  |  |  |
| Mechanical Engineering Graduate Courses  Courses with ME prefix to be selected with student input and approved by the supervisory committee. | 12-21 |  |  |  |
| Non-Mechanical Engineering Graduate Courses  Graduate courses in a related field. Masters students may take up to 6 credits of upper division (300 level and above) undergraduate courses. Advisor approval required. | 0-9 |  |  |  |
| Comprehensive Examination  ME 690 Master’s Comprehensive Examination | 1 |  |  |  |
| Total | 31 |  |  |  |