|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *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 |  |  |  |
| ME 510 Continuum Mechanics | 3 |  |  |  |
| Select one of the following courses: MATH 565 Numerical Methods I MATH 571 Data Analysis MATH 572 Computational Statistics ME 536 Computational Fluid Dynamics ME 570 Finite Element Methods ME 571 Parallel Scientific Computing Another course with a computational emphasis approved by the student’s advisor. | 3 |  |  |  |
| Mechanical Engineering Graduate Courses Courses with ME prefix to be selected with student input and approved by the supervisory committee. | 6-15 |  |  |  |
| 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 |  |  |  |
| Culminating Activity |  |  |  |  |
| ME 593 Thesis | 6 |  |  |  |
| Total | 30 |  |  |  |