

### Master of Science in Mechanical Engineering

The Master of Science degree in Mechanical Engineering (M.S.M.E.) has the following 30 minimum course credit-hour requirements. Only 6 credits at the 4000 level are permitted, the remaining credits must be 6000 level or above. It is a very flexible program which includes a thesis and non-thesis options.

|   | <b>With Thesis</b> | <b>Without Thesis</b> |
|---|--------------------|-----------------------|
| Coherent Major Area   | 12                 | 21                    |
| Coherent Minor Area   | 6                  | 6                     |
| (All course work in the Coherent Major and Minor Areas must be from the College of Computing, Science, and/or Engineering. The minor will not appear on transcripts or degree documentation.) |                    |                       |
| Mathematics   | 3                  | 3                     |
| Thesis (ME 7000)  | 9                  | 0                     |
| <b>Total for Degree</b>   | <b>30</b>          | <b>30</b>             |

Only courses from the School of Mathematics fulfill the mathematics requirement (3 credits).

The minimum coursework requirements must also conform to these criteria:

|                                  | <b>With Thesis</b> | <b>Without Thesis</b> |
|----------------------------------|--------------------|-----------------------|
| ME xxxx Credits                  | 9                  | 18                    |
| Credits at 6000- Level or above  | 15                 | 24                    |
| Special Problem Credit (ME 89xx) | 0                  | 0 to 6                |

ME xxxx credits do not include thesis credits (ME 7000).

The coherent minor area must be distinctly different from the major area. Note that ME 6753, ME 6789, and ME 6799 may only be used to satisfy the course work in the coherent minor area. COA 8685-Building Simulation Seminar, COA 8833-Computational Simulation of Build

Design, MGT 6165, and BC 6650 may be included in the coherent minor area. ME 6753 and BC 6650 may not be counted together in the coherent minor area. Only ME 4405 or ME 6705 can count towards the MSME degree, but not both courses.

**The items listed below cannot be used to meet the course requirements for the M.S.M.E. degree:**

- Any course in which you do not receive a grade of C or higher
- Any course taken for a nonletter grade (except thesis, transfer credit, or advanced standing)
- Any course required for the B.S.M.E. degree
- CETL course work
- Professional Master's Degree course work