

# Master of Science in Engineering Management (MEM)

## Requirements & Academic Planning

| <b>Core Courses (18 credits)</b>   |   | * Subject to change. See current schedule for course offerings  |
|--|---|---|
| <b>Required: (6 cr)</b><br><input type="checkbox"/> <b>SIME 6500</b> <i>Engineering Leadership/ Mgmt</i><br><input type="checkbox"/> <b>SIME 6560</b> <i>Engineering Economic Analysis</i>   | <b>* Semester(s) Offered:</b><br><br><b>Fall</b><br><b>Summer</b>   | <b>Campus:</b><br><br><b>Main, UOnline</b><br><b>Main, UOnline</b>  |
| <b>Choose One: (3 cr)</b><br><input type="checkbox"/> <b>SIME 6530</b> <i>Project Mgmt for Eng</i><br><input type="checkbox"/> <b>CVEEN 6720</b> <i>Project Scheduling</i><br><input type="checkbox"/> <b>CVEEN 6730</b> <i>Proj Man/Contract Admin</i>  | <b>* Semester(s) Offered:</b><br><br><b>Spring</b><br><b>Fall</b><br><b>Spring</b>                            | <b>Campus:</b><br><br><b>Main, UOnline</b><br><b>Main, UOnline</b><br><b>Main</b>                         |
| <b>Choose One: (3 cr)</b><br><input type="checkbox"/> <b>SIME 6400</b> <i>Fundamentals of Systems Eng</i><br><input type="checkbox"/> <b>ME EN 6150</b> <i>Product Safety</i><br><input type="checkbox"/> <b>ENGIN 6020</b> <i>Emrg Tech &amp; Eng Entp</i><br><input type="checkbox"/> <b>LAW 7760</b> <i>Patent Law</i>                                  | <b>* Semester(s) Offered:</b><br><br><b>Fall</b><br><b>Fall</b><br><b>Fall, Spring</b><br><b>Fall, Spring</b> | <b>Campus:</b><br><br><b>Main, UOnline</b><br><b>Main, UOnline</b><br><b>Main</b><br><b>Main</b>          |
| <b>Choose One: (3 cr)</b><br><input type="checkbox"/> <b>SIME 6450</b> <i>Design of Production &amp; Service Sys</i><br><input type="checkbox"/> <b>SIME 6060</b> <i>Discrete Event Sys Simulation</i><br><input type="checkbox"/> <b>MG EN 6520</b> <i>Discrete Event Systems</i><br><input type="checkbox"/> <b>CS 6530</b> <i>Adv. Database Systems</i> | <b>* Semester(s) Offered:</b><br><br><b>Summer</b><br><b>Fall</b><br><b>Spring (odd years)</b><br><b>Fall</b> | <b>Campus:</b><br><br><b>Main, UOnline</b><br><b>Main, UOnline</b><br><b>Main</b><br><b>Main</b>          |
| <b>Choose One: (3 cr)</b><br><input type="checkbox"/> <b>SIME 6050</b> <i>Operations Research for Systems</i><br><input type="checkbox"/> <b>SIME 6000</b> <i>Analytics for Systems Management</i><br><input type="checkbox"/> <b>ME EN 6035</b> <i>Design of Experiments</i><br><input type="checkbox"/> <b>CS 6350</b> <i>Machine Learning</i>           | <b>* Semester(s) Offered:</b><br><br><b>Spring</b><br><b>Fall</b><br><b>Spring</b><br><b>Fall, Spring</b>     | <b>Campus:</b><br><br><b>Main, UOnline</b><br><b>Main, UOnline</b><br><b>Main, UOnline</b><br><b>Main</b> |
| <b>Elective Courses (12 credits)</b>   |   |   |
| <b>Electives from Price College of Engineering: (6 cr)</b><br>_____<br>_____   | <b>Semester</b> _____<br><br><b>Semester</b> _____  |   |
| <b>Additional graduate coursework: (6 cr)</b><br>_____<br>_____  | <b>Semester</b> _____<br><br><b>Semester</b> _____  |   |