

Name \_\_\_\_\_

ID# \_\_\_\_\_

*A total of 27 units is required for this degree.*

<u>Required Prerequisite Courses</u>	<u>Where Completed</u>	<u>Course #</u>	<u>Title</u>
Engr. Economy			

**REQUIRED COURSES**

<u>Semester</u>	<u>Course</u>	<u>(Prerequisites)</u>
-----------------	---------------	------------------------

***Product Development Systems***

- |       |   |  |
|-------|---|--|
| _____ | AME 503 – Advanced Mechanical Design (3, Fa)                  |  |
| _____ | ISE 545 – Technology Development and Implementation (3, FaSm) |  |

***Required courses (6 units):***

- |       |   |  |
|-------|---|--|
| _____ | ISE 515 – Engineering Project Management (3, FaSpSm)  |  |
| _____ | ISE 544 – Management of Engineering Teams (3, FaSpSm) |  |

***Technical Electives (6 units):***

- |       |  |  |
|-------|--|--|
| _____ | ISE 415 – Industrial Automation (3, Irr)   |  |
| _____ | ISE 460 – Engineering Economy (3, FaSpSm)  |  |
| _____ | ISE 470 – Human/Computer Interface Design (3, Sp)  |  |
| _____ | ISE 511L – Computer Aided Manufacturing (3, Fa)  |  |
| _____ | ISE 517 – Modern Enterprise System (3, FaSp)   |  |
| _____ | ISE 525 – Design of Experiments (3, FaSp)  |  |
| _____ | ISE 527 – Quality Management for Engineers (3, FaSp)   |  |
| _____ | ISE 528 – Advanced Statistical Aspects of Engineering Reliability (3, Irr)                       |  |
| _____ | ISE 555 – Invention and Technology Development (3, Sp)   |  |
| _____ | ISE 561 – Economic Analysis of Engineering Projects ( <i>prerequisites:</i> ISE 460) (3, FaSp)   |  |
| _____ | ISE 567 – Collaborative Engineering Principles and Practice (3, Sp)                              |  |
| _____ | ISE 576 – Industrial Ecology: Technology-Environment Interaction (3)                             |  |
| _____ | ISE 580 – Advanced Concepts in Computer Simulation (3, Sp)                                       |  |
| _____ | ISE 585 – Strategic Management of Technology ( <i>prerequisites:</i> ISE 220,225, 435) (3, FaSp) |  |
| _____ | SAE 541 – Systems Engineering Theory and Practice (3, FaSpSm)                                    |  |

***Three Electives (9 units):***

		<u>Date of Advisement</u>	<u>Approval</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____