Name _____ ID#_____

A total of 27 units is required for this degree.

Required Prerequisite Courses	**Where Completed**	**Course #**	**Title**
Engr. Economy			

REQUIRED COURSES

Semester Course (Prerequisites)

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

_____ AME 503 – Advanced Mechanical Design (3, Fa)

_____ ISE 545 – Technology Development and Implementation (3, Fa)

Product Development Systems:

_____ ISE 515 – Engineering Project Management (3, FaSpSm)

_____ ISE 544 – Management of Engineering Teams (3, FaSp)

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

_____ ISE 415 – Industrial Automation (3, Irregular)

_____ ISE 460 – Engineering Economy (3, FaSpSm)

_____ ISE 470 – Human/Computer Interface Design (3, Sp)

_____ ISE 511L – Mechatronic Systems Engineering (3, Sp)

_____ ISE 517 – Modern Enterprise Systems (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)

_____ ISE 555 –Invention and Technology Development (3, Sp)

_____ ISE 561 – Economic Analysis of Engineering Projects **(*prerequisites* ISE 500)** (3, FaSp)

_____ ISE 567 – Collaborative Engineering Principles and Practice (3, Sp)

_____ ISE 576 – Industrial Ecology: Technology-Environment Interaction (3)

_____ ISE 580 – Performance Modeling and Simulation (*prerequisites* ISE 220,325, 435) (3, Sp)

_____ ISE 585 – Strategic Management of Technology (3, FaSp)

_____ SAE 541 –Systems Engineering Theory and Practice (3, FaSpSm)

Three Electives (9 units):		Date of Advisement	Approval
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Master of Science in Product Development Engineering

(Product Development Systems Track)