

Name: _____

| Degree Courses | Completed | Future | Sem/Year |
|---|-----------|--------|----------|
| Core Courses (All Required) - 30 Credits | | | |
| ETLS 501 Production Operating Systems | | | |
| ETLS 502 Manufacturing Processes | | | |
| ETLS 504 Excellence in Operations | | | |
| ETLS 505 Managerial Accounting and Performance Management | | | |
| ETLS 506 Statistical Methods for Manufacturing Quality | | | |
| ETLS 601 Program/Project/Team Management | | | |
| ETLS 701 Design of Experiments | | | |
| ETLS 771 Materials Engineering | | | |
| ETLS 550 Leveraging Leadership for a Lifetime I (1 Credit) – early in program | | | |
| ETLS 650 Leveraging Leadership for a Lifetime II (1 Credit) – mid program | | | |
| ETLS 850 Leveraging Leadership for a Lifetime III (1 Credit) – late in program | | | |
| ETLS 808 Capstone Course | | | |
| Process, Assembly and Product Engineering (1 Course Required) – 3 Credits | | | |
| ETLS 672 Excellence in Product Design | | | |
| ETLS 770 Automated Control of Manufacturing Processes | | | |
| ETLS 777 Finite Element Analysis | | | |
| Choose one of the following options - 3 or 6 credits | | | |
| ETLS 881 Engineering Project Credits AND Completion of Engineering Project/Written Paper and Presentation (45 Credits) | | | |
| ETLS 777 Finite Element Analysis AND One Additional Elective Course (48 Credits) | | | |
| Electives (3 courses required) Courses may be selected from any graduate program - 9 credits | | | |
| ETLS 520 Design and Manufacturing in the Medical Device Industry | | | |
| ETLS 551 Strategic Quality Management | | | |
| ETLS 552 Supply Chain Synchronization | | | |
| ETLS 570 Purchasing, Logistics and Distribution | | | |
| ETLS 571 Automation Systems in the U.S. and Overseas | | | |
| ETLS 600 Designing Corrective and Preventive Action Systems | | | |
| ETLS 640 Lean Six Sigma | | | |
| ETLS 670 Masterful Leaders and Leadership | | | |
| ETLS 671 Human Aspects of Technical Management | | | |
| ETLS 673 Enhanced Product Realization | | | |
| ETLS 674 Managing for Improved Profitability | | | |
| ETLS 677 Sustainable Development Strategies | | | |
| ETLS 682 Safety Health and Environmental Considerations in Manufacturing | | | |
| ETLS 699/799 Selected Topics | | | |
| ETLS 720 Anatomy and Physiology for Medical Devices | | | |
| ETLS 721 Medical Device - Regulatory Submissions | | | |
| ETLS 722 Medical Device - Quality Systems | | | |
| ETLS 723 Biomaterials in the Design of Medical Devices | | | |
| ETLS 730 Cardiovascular Anatomy, Physiology and Medical Devices | | | |
| ETLS 752 Technology Forecasting and Strategic Prospective | | | |
| ETLS 772 Injection Molding, Die Casting & Related Net Shape Processes | | | |
| ETLS 773 Principles of MEMS Product Development | | | |
| ETLS 775 Polymers in Design | | | |
| ETLS 776 Advanced Engineering Materials | | | |
| ETLS 778 Process Design and Improvement – Computer Based Tools | | | |
| ETLS 785 Simulation of Logistics and Industrial Systems | | | |
| ETLS 815 Leadership and Technology | | | |
| ETLS 840 Technology Transfer/Contemporary Problems | | | |
| ETLS 851 Enterprise Information Systems | | | |
| ETLS 852 Technology Risk Management | | | |
| ETLS 853 Introduction to Intellectual Property Law | | | |
| ETLS 854 Management of Technology and Innovation | | | |
| ETLS 855 Implementing Innovation | | | |
| ETLS 880 Directed Studies | | | |

Advisor: _____ Date _____