

Engineering Management - Master's Program - Course Schedule

| Course Number | Credit Hours | Course Title | Prerequisites per Graduate Catalog | Spring 2022 | Spring 2022 | Fall 2022 | Spring 2023 | Spring 2023 | Fall 2023 | Spring 2024 | Spring 2024 | Fall 2024 |
|---------------|--------------|--|------------------------------------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|
| IE 501 | 3-6 | Capstone | | x | | x | x | | x | x | | x |
| IE 515 | 3 | Advanced Production and Inventory Systems | 402/instructor consent | | | | | | | | | |
| IE 516 | 3 | Statistical Methods in IE* | Statistics BKGD | | | x | | | x | | | x |
| IE 517 | 3 | Reliability of Lean Systems | IE 516 | x | | | x | | | x | | |
| IE 518 | 3 | Adv. Engineering Economic Analysis* | Statistics BDGD | x | | | x | | | x | | |
| IE 522 | 3 | Optimization Methods* (for students with IE UG) | Rec: Linear Algebra | x | | | x | | | x | | |
| IE 526 | 3 | Advanced Systems Modeling & Simulation | NA | | | | | | | | | |
| IE 527 | 3 | Lean Production Systems | IE 515/instructor consent | | | | | | | | | |
| IE 533 | 3 | Theory & Practice of Engineering Management | NA | | | x | | | x | | | x |
| IE 534 | 3 | Financial Management for Engineering Manager | NA | x | | | x | | | x | | |
| IE 535 | 3 | Productivity & Quality Engineering | NA | | | | | | | | | |
| IE 536 | 3 | Project Management | NA | | x | | | x | | | x | |
| IE 537 | 3 | Analytical Methods for Engineering Managers* (for students without UG in IE) | NA | | | x | | | x | | | x |
| IE 538 | 3 | New Venture Formation | NA | TBD | | | | | | | | |
| IE 539 | 3 | Strategic Management in Technical Organizations | NA | x | | | x | | | x | | |
| IE 541 | 3 | Managing Change & Improvement in Tech Orgs | NA | TBD | | | | | | | | |
| IE 542 | 3 | Design of Experiments for Engineering Managers | IE516 | x | | | x | | | x | | |
| IE 543 | 3 | Legal & Ethical Aspects of Engineering Mgmt | NA | TBD | | | | | | | | |
| IE 544 | 3 | Manufacturing Systems Modeling and Analysis | NA | | | x | | | x | | | x |
| IE 550 | 1 | Graduate Seminar | NA | x | | x | x | | x | x | | x |

* Quantitative

9/15/2021

Note: subject to change without notification