# Industrial Engineering Technical Elective List

## Proposed List

### Approved Electives – IME

- IMT 342 Advanced Manufacturing Processes I
- IMT 344 Advanced Manufacturing Processes II
- IMT 346 Computer-Aided Manufacturing & Automation I
- IMT 362 Metrology and Instrumentation
- IMT 446 Computer-Aided Manufacturing & Automation II
- IME 395 Solid Modeling & Rapid Prototyping
- IME 441 Materials Processing I
- IME 443 Materials Processing II
- IME 445 Computer Aided Manufacturing
- IME 560 Principles of Robotic Programming
- IME 314 Operations Research II
- IME 461 Advanced Simulation
- IME 466 Facilities Planning
- IME 468 Expert Systems
- IME 483 Productions Planning & Control
- IME 486 Logistics & Supply Chain Systems
- IME 412 Design and Analysis of Experiments
- IME 587 Occupational Safety and Health

Any engineering course (CE, EE, IME, ME) numbered 300 or higher that is not already specifically required in the curriculum.

- CON 352 Urban Environment
- CON 372 Construction Methods Improvement
- CON 392 Construction Scheduling
- CON 394 Construction Labor and Unions
- CON 396 Construction Estimating
- Any accounting course numbered ACT 304 or higher.
- Any business management and administration course numbered BMA 342 or higher.
- Any economics course numbered ECO 301 or higher.
- Any finance course numbered FIN 322 or higher.
- Any international business course numbered IB 306 or higher.
- Any marketing course numbered MTG 304 or higher.
- QM 326 Business Forecasting
- Any biology course except BIO 300.
- Any chemistry course numbered CHM 112 or higher, except CHM 300.
- Any computer science course numbered CS 203 or higher.
- Any geological sciences course except GES 300.
- Any mathematics course numbered MTH 301 or higher.
- PSY 306 Experimental Psychology
- PSY 307 Cognitive Psychology
- PSY 308 Social Psychology
- PSY 320 Human Factors Psychology
- PSY 403 Physiological Psychology
- PSY 404 Sensation and Perception
- ENG 304 Research in Individual Disciplines
- ENG 306 Business Communication
- H S 460 - Kinesiology
- H S 480 - Motion Analysis