

Master of Science in Mechanical Engineering

Possible Plan of Study

| Area | Course | Course Title | Units | Notes |
|-------------------------------|---------|-------------------------------------|-----------|--|
| Year 1 Fall Semester | | | | |
| Grad Eng | EGR 501 | Engineering Research and Practice | 3 | common course that all MS in EGR will take |
| Grad Eng | EGR 503 | Applied Engineering Analysis | 3 | 0 |
| Area of Focus | MCE 541 | Adv. Mfg. & Industrial Eng. Process | 3 | 0 |
| Year 1 Spring Semester | | | | |
| Math | STA 513 | Applied Statistics | 3 | descriptive and inferential stats for quantitative analysis |
| Area of Focus | MCE 542 | Sensing and Imaging | 3 | 0 |
| Thesis/Project | EGR 506 | Engineering R&D Methods | 3 | class time & students develop their project/thesis idea & begin work |
| Year 2 Fall Semester | | | | |
| Area of Focus | MCE 543 | Solar Thermal Engineering | 3 | 0 |
| Elective | EGR/MCE | <elective> | 3 | grad level or crosslisted 400 level |
| Thesis/Project | EGR 507 | Research and Development | 3 | individual guided work; the most intensive work on the project or thesis |
| Year 2 Spring Semester | | | | |
| Area of Focus | MCE 544 | Advanced Fluid Mechanics | 3 | 0 |
| Elective | EGR/MCE | <elective> | 3 | grad level or crosslisted 400 level |
| Thesis/Project | EGR 508 | Documentation and Presentation | 3 | completion of project/thesis, culminating in a document & presentation |
| Total | | | 36 | |