

ENERGY RESOURCES CONCENTRATION

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| ME 415 | Energy Conversion | 4 |
| ME 418 | Implementation of Mechanical Controls | 4 |
| or ME 419 | Advanced Control Systems | |
| ME 428 | Senior Design Project I ¹ | 2 |
| ME 429 | Senior Design Project II ¹ | 2 |
| ME 430 | Senior Design Project III ¹ | 2 |
| Select from the following: ² | | 11-12 |
| EE 255 & EE 295 | Energy Conversion Electromagnetics and Energy Conversion Electromagnetics Laboratory | |
| EE 420 | Sustainable Electric Energy Conversion | |
| EE 423 | Micro/Nano Fabrication | |
| MATE 430 | Micro/Nano Fabrication | |
| ME 434 | Enhanced Oil Recovery | |
| ME 435 | Drilling Engineering | |
| ME 436 | Petroleum Production Engineering | |
| ME 437 | Nuclear Energy Power Generation | |
| ME 438 | Nuclear Power Plant Design | |
| ME 439 | Nuclear Power Plant Operations | |
| ME 443 | Turbomachinery | |
| ME 444 | Combustion Engine Design | |
| ME 450 | Solar Thermal Power Systems | |
| ME 454 | Benchmarking and Assessment of Building Energy Performance | |
| ME 488 | Wind Energy Engineering | |
| ME 541 | Advanced Thermodynamics | |
| Total units | | 25-26 |

¹ ENGR 459, ENGR 460, and ENGR 461 (6) or ENGR 463, ENGR 464, and ENGR 465 (6) may substitute for ME 428, ME 429, and ME 430 (6).

² ME 400 and ME 500 are independent study classes and may be acceptable for technical elective credit. A course substitution form is required.