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| **Name:**  |  |  | **Red ID:** |  |
| **Email:** |  |  | **Advisor:**  |  |

**Mechanical Engineering Master Plan and Advising Record**

 **Thermal Systems**

**Catalog Year 2024-25**

1. **Impaction Criteria:** MATH 150 & 151, CHEM 202 or 200, PHYS 195 & 196, and ME 200 or AE 200 *(all passed w/C or better, with overall GPA of 2.7 or higher)*
2. **Master Plan:** You must send the updated version of your Master Plan to your assigned Major Advisor each semester. This include any grades for courses completed and any changes to course pacing.
3. **General Education:** You must complete the GE requirements for your original catalog year. For Explorations, only courses that satisfy Cultural Diversity are indicated. If you are following the current catalog requirements, you are required to make sure you are on track with any changes until graduation.
4. **American Institutions:** A course may satisfy more than one area. Refer to the SDSU university catalog for a list of approved pairs of courses. These courses have overlap areas, but no more than two American Institutions courses may apply to General Education.
5. **GWAR:** Engineering students will satisfy the Graduation Writing Assessment Requirement through completion of your Senior Design course. ME 490W must be passed with a grade of C or better.
6. **Technical Electives:** If you choose the Thermal Systems specialization, you are required to take two courses (six units) from ME 450, 544, 552, 554, 555, 556, and 596 (special topics courses in the Thermal Systems area). You are encouraged to take your Additional Electives also from this list.
7. **Additional Electives:** Six units of additional coursework selected from any 400 or 500-level Mechanical Engineering courses. In rare instances, students may select elective offerings from other Departments when those offerings align with their career plans and with the mechanical systems area. Students must request written permission from the Department to take any course as elective if it is not already listed as a departmental elective course offering in the catalog.

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| **SDSU Courses** | **Transfer Courses** | **Advising Record** |
| **Requirements** | **Grade** | **Course #** | **School** | **F24** | **S25** | **F25** | **S26** | **F26** | **S27** | **F27** | **S28** |
| MATH 150 (4) |  |  |  |  |  |  |  |  |  |  |  |
| BIOL 100 (3) |  |  |  |  |  |  |  |  |  |  |  |
| CHEM 202 (4) |  |  |  |  |  |  |  |  |  |  |  |
| ME 190 (2) |  |  |  |  |  |  |  |  |  |  |  |
| MATH 151 (4) |  |  |  |  |  |  |  |  |  |  |  |
| PHYS 195 (3) |  |  |  |  |  |  |  |  |  |  |  |
| PHYS 195L (1) |  |  |  |  |  |  |  |  |  |  |  |
| MATH 252 (4) |  |  |  |  |  |  |  |  |  |  |  |
| ME 200 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 202 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 240 (3) |  |  |  |  |  |  |  |  |  |  |  |
| PHYS 196 (3) |  |  |  |  |  |  |  |  |  |  |  |
| PHYS 196L (1) |  |  |  |  |  |  |  |  |  |  |  |
| **SDSU Courses** | **Transfer Courses** | **Advising Record** |
| **Requirements** | **Grade** | **Course #** | **School** | **F24** | **S25** | **F25** | **S26** | **F26** | **S27** | **F27** | **S28** |
| AE 280 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 220 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 230 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 241 (1) |  |  |  |  |  |  |  |  |  |  |  |
| ME 304 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 350 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 360 (3) |  |  |  |  |  |  |  |  |  |  |  |
| AE 341 (1) |  |  |  |  |  |  |  |  |  |  |  |
| ME 314 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 330 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 340 |  |  |  |  |  |  |  |  |  |  |  |
| ME 452 (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 490W (3) *passed w/ grade of C or better* |  |  |  |  |  |  |  |  |  |  |  |
| ME 495 (2) |  |  |  |  |  |  |  |  |  |  |  |
| Tech. Elec. I (3) |  |  |  |  |  |  |  |  |  |  |  |
| Add. Elec. I (3) |  |  |  |  |  |  |  |  |  |  |  |
| ME 491 (3) |  |  |  |  |  |  |  |  |  |  |  |
| Tech. Elec. II (3) |  |  |  |  |  |  |  |  |  |  |  |
| Add. Elec. II (3) |  |  |  |  |  |  |  |  |  |  |  |

**Date Submitted by Student:**

**Date Reviewed by Advisor:**

**Advising Notes**

**General Education & Graduation Requirements Tracker**

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| **SDSU Courses** | **Transfer Courses** | **Advising Record** |
| **Requirements** | **Grade** | **Course #** | **School** | **Semesters at SDSU** |
| **American Institutions** | **FALL** | **SPRING** | **SUMMER** |
| American History, Inst. & Ideals |  |  |  |  |  |  |
| U.S. Constitution |  |  |  |  |  |  |
| CA State & Local Govt. |  |  |  |  |  |  |
| **I. Communication & Critical Thinking** | **FALL** | **SPRING** | **SUMMER** |
| 1. Oral Communication |  |  |  |  |  |  |
| 2. Written Communication |  |  |  |  |  |  |
| 3. Critical Thinking |  |  |  |  |  |  |
| **II.A. Natural Sciences & Quantitative Reasoning** | **FALL** | **SPRING** | **SUMMER** |
| *Automatically satisfied with completion of major prep* |  |  |  |
| **II.B. Foundations: Social & Behavioral Sciences** | **FALL** | **SPRING** | **SUMMER** |
| B. Social & Behavioral Sciences |  |  |  |  |  |  |
| B. Social & Behavioral Sciences |  |  |  |  |  |  |
| **II.C. Foundations: Arts & Humanities** | **FALL** | **SPRING** | **SUMMER** |
| C.1. Arts |  |  |  |  |  |  |
| C.2. Humanities |  |  |  |  |  |  |
| C.1. Arts or C.2. Humanities |  |  |  |  |  |  |
| **III. Lifelong Learning & Self-Development** |
| *Automatically satisfied with completion of major prep* |  |  |  |
| **IV.A. Explorations: Natural Sciences** |
| *Automatically satisfied with completion of major requirements* |  |  |  |
| **IV.B. Explorations: Social & Behavioral Sciences** |
| *Automatically satisfied with completion of major requirements* |  |  |  |
| **IV.C. Explorations: Humanities/Cultural Diversity** | **FALL** | **SPRING** | **SUMMER** |
| C. Humanities/Cultural Diversity |  |  |  |  |  |  |
| **V. Ethnic Studies (GE & Graduation Requirement)** | **FALL** | **SPRING** | **SUMMER** |
| V. Ethnic Studies |  |  |  |  |  |  |
| **Graduation Writing Assessment Requirement (GWAR)** |
| *Automatically satisfied with completion of senior design ( passed with a grade of C or better)* |  |  |  |

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