**STUDENT INFORMATION**

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| **Name:**       | **NAU ID:**        |
| **NAU E-mail Address:**        | **Phone Number:**       |
| **Term of Admission:**         | **Expected Graduation Term/Year:**        |
| **Advisor:**       | **Required Credits for Degree Program: 30** |

**I. Graduate-level Mathematics or Statistics (3 units required):** Coursework in applied mathematics in a relevant topic such as linear algebra, partial differential equations, or applied mathematics modeling.

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**II. Engineering Computational Techniques (3 units required):** Select a course such as ME 525, ME 554, or ME 599 - Advanced FEM and CFD, in consultation with your advisor.

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**III. Engineering Coursework (12 units required):**

* Select from the following (6-12 units): ME 520, ME 523, ME 525, ME 530, ME 535, ME 554, ME 556, ME 560, ME 561, ME 563, ME 573, ME 575, ME 580, ME 599, or ME 697 (for a maximum of 3 units).
* Select from the following (0-6 units): APMS 619, APMS 624, CENE 502, CENE 513, EE 501, EE 502, EE 504, EE 505, INF 504, or additional engineering coursework in consultation with your advisor.

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**IV. Research (6 units required):**

* ME 699 (6 units required) **OR**
* Additional coursework that includes research projects selected from the following (6 units): ME 525, ME 535, ME 563, ME 573, ME 575, ME 580, ME 685, ME 599 - Advanced FEM and CFD, and ME 599 - Cardiovascular Fluid Mechanics.

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**V. Graduate Seminar (2 units required):**

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
| ME 698 | Graduate Seminar |       |       |       |       |       |       |
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**VI. Additional Elective Courses (4 units required):** Selected in consultation with your advisor.

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| **Course**  | **Course Title** | **Replacement Course** | **Semester** | **Year** | **Units** | **Grade** | **T/P/I/A\*\*** |
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**Additional Information**

Notes:

* ME 608 is encouraged so that students obtain an internship with a local or regional industrial partner as part of their graduate training. However, no more than 3 units of 608 may be used towards the degree.
* A maximum of two courses, up to 6 units, may be at the 400-level.
* Students selecting the thesis option are required to complete 18 unit of formal letter-graded coursework. No 400-level coursework may apply toward this requirement.
* Students selecting the coursework option must complete 24 units of formal letter-graded coursework.
* A maximum of 6 units can be taken online for this degree.

Since the Mechanical Engineering MS program emphasizes interdisciplinary topics, students may wish to take courses outside of their primary emphasis area. Some courses may require prior completion of prerequisite courses.

If you choose to complete a thesis:

* You are responsible for finding the chair and members of your advisory committee before completing 9 units of coursework.
* You must submit a plan of study that lists all coursework intended to satisfy the MS degree requirements by the first month of the semester in which you take your 10th credit. The elective and math/statistics courses are selected in consultation with and acceptable to the student's graduate committee and its chair.

This Program of Study documents your progress on your academic requirements for the degree and catalog year listed above. For Department of Defense-related requirements, it serves as the evaluated and approved educational plan.

In addition to all University and Office of Graduate & Professional Studies (OGPS) policies, procedures, and requirements, graduate students must also adhere to the academic requirements, policies, procedures, and criteria outlined by their program’s Graduate Student Handbook.

**Students:**

You must secure official approval by your advisor and Department Chair/Director before submitting your final Program of Study for graduation.

By signing or entering your name below, you agree to the following statement:

*“Students are responsible for complete knowledge of Academic Catalog requirements in their degree plan for their catalog year and adhering to all policies in the Academic Catalog.”*

**Advisors and Chairs/Directors:**

Please indicate approval of the curriculum on the Program of Study by placing your signature (formal digital signatures are permitted) in the space provided.

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| **Student:**       | **Date:**       |
| **Advisor:**       | **Date:**       |
| **Chair:**       | **Date:**       |

**\*\*Transfer/Previous Graduate Degree/Internal Transfer/Accelerated (T/P/I/A)** – Must have Advisor approval

Transfer T = Course transferred from another university

Previous Graduate Degree P = Course taken at NAU from previous graduate degree

Internal Transfer I = Graduate-level course taken as undergraduate; Not applied to undergraduate degree

Accelerated Program “Dual-use” A = Courses completed during the undergraduate career and used to satisfy both the Bachelor’s and Master’s degree requirements. ONLY for designated Accelerated students.