## Name

$\qquad$
ASU ID
Anticipated Grad. Date

Major: Mechanical Engineering
Concentration: Computational and Mathematical Mechanics
AGEC-A, AGEC-B, AGEC-S; Completed: $\square$ Yes $\square$ No
Degree BSE

| \# C. Lower Division Engr(22 hrs) | Hrs Cr <br> ASU Tr | Trans <br> From | Gr |
| :--- | :---: | :---: | :---: |
| +MAE 100 Intro to ME \& AE (CS) | 3 |  |  |
| +MAE 212 Engineering Mechanics | 4 |  |  |
| MAE 213 Mechanics of Solids | 3 |  |  |
| MAE 214 CAE I | 1 |  |  |
| MAE 240 Thermofluids I | 4 |  |  |
| MSE 250 Struc \& Prop of Materials | 3 |  |  |
| EEE 202 Circuits I $\quad$ Sub Total (III) | 4 |  |  |
|  |  |  |  |

IV. Required Upper Division Courses ( 47 hrs )

| \#CSE 100 Princ of Prog with C++ OR <br> \#CSE 110 Princ of Prog with Java | 3 |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| \# MAE 318 Sensors and Controls | 5 |  |  |  |
| \# MAE 322 Structural Mechanics | 4 |  |  |  |
| \# MAE 323 CAE II | 2 |  |  |  |
| \# MAE 340 Thermofluids II | 3 |  |  |  |
| \#MAE 342 Principles of Design | 3 |  |  |  |
| \#MAE 384 Numerical Methods (CS) | 3 |  |  |  |
| \#MAE 400 Engineering Profession (L) | 3 |  |  |  |
| \#MAE 488 ME Design I | 3 |  |  |  |
| \#MAE 489 ME Design II | 3 |  |  |  |
| \#MAE 491 Experimental Mech Engr (L) | 3 |  |  |  |
| +MAT 343 Applied Linear Algebra | 3 |  |  |  |
| \# Technical Electives (12 hrs) ${ }^{4}$ |  |  |  |  |
| Sub Total (IV) |  |  |  |  |

Total Upper Division $\qquad$ (minimum 45 required)
$+A$ minimum grade of " $C$ " (2.0) required
\# Designates Major Course: A minimum cumulative GPA of 2.00 required
Designates a skill-set course
${ }^{1}$ I Only 4 hours of CHM 115 will apply toward degree credit
${ }_{3}^{2}$ CHM 113 is prerequisite and does not apply toward degree credit
${ }^{3}$ Must complete lecture and lab to receive SQ credit
${ }^{4}$ Must choose technical electives from the approved list for this concentration
Graduation Requirements
Regular Curriculum - 120 Hours

| Semester Hour Summary | Hrs/ASU | Tr Hrs | Total |
| :--- | :--- | :--- | :--- |
| I. English Proficiency |  |  |  |
| II. General Requirements |  |  |  |
| III. Required Lower Division |  |  |  |
| IV. Required Upper Division |  |  |  |
| Total Program Hours |  |  |  |

