

# BS Mechanical Engineering 2023-2024 (graduate in 2 years after transfer)

Enter with major-related lower division courses equivalent to the SPU courses listed below already completed

## Calculus Equivalent to at SPU

<b>MAT1234</b> Calc 1 5CH	<b>MAT1235</b> Calc 2 5CH	<b>MAT1235</b> Calc 3 5CH
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## Physics Equivalent to at SPU

<b>PHY1121</b> Phys 1 5CH	<b>PHY1122</b> Phys 2 5CH	<b>PHY1123</b> Phys 3 5CH
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## General Chemistry I with Lab

**CHM1211**  
Chem/lab  
5CH

## Introduction to CAD

**EGR1501**  
CAD  
1CH

## Post-Calculus Math Courses

<b>MAT2401</b> Lin Alg 3CH	<b>MAT3237</b> Dif Eq 3CH	<b>MAT3238</b> Vect Calc 3CH
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## Solid Mechanics Sequence

<b>ME2891</b> Statics 4CH	<b>EGR3310</b> Mch Mtls 4CH	<b>EGR 3400</b> Dynamics 5CH
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## Programming for Engineers

**CSC2230**  
Prog  
5CH

## Electrical Circuits I with Lab

**EE2726(L)**  
Circuits  
5CH

## Junior

**GS 3001**  
Int Prep  
1CH

Approved internship is also a prerequisite for EGR 4941, see ECS Intern Canvas site

**EGR1502**  
Shop  
1CH

**EGR1503**  
Tools  
1CH

**MAT2200**  
Prob/Stat  
3CH

**ME 3500**  
TF I  
5CH

**ME 3501**  
TF 2  
5CH

**ME 3502**  
TF3  
5CH

**EGR3311**  
Exp Mthd  
3CH

**ME 4410**  
MechDsn  
4CH

**ME 3300**  
Prp Mtls  
3CH

**ME 3430**  
Sys Dyn  
5CH

Common/Exploratory Curriculum

Tech Elective (11 CH Total Req)

## Senior

**EGR4941**  
Int Rvw  
1CH

Comm Curr (20CH): UCOR 2000, UFND 2000, UCOR 3000, UFND 3100

Expl Curr (20CH): WK-Arts, WK-Hum, WK-Social Science, WE (and CUE)

Foreign Language (0-15CH) (if needed)

With DTA or AA see Advisor

**ME 4910**  
FE Prep  
1CH

**EGR4811**  
SrDsn 1  
3CH

**EGR4812**  
SrDsn 2  
3CH

**EGR4899**  
SrCapstn  
3CH

**ME 3300**  
Prp Mtls  
3CH

**ME 3430**  
Sys Dyn  
5CH

**VERY IMPORTANT!!!!**  
\*ME 3430 and ME 3300 will change from being offered every year to alternate years after 2023.  
Fall 2024: 3430 (no 3300)  
Fall 2025: 3300 (no 3430)

Common/Exploratory Curriculum

Tech Elective (11 CH Total Req)