# Mechanical and Energy Engineering – Calculus I

## 2023-2024 Catalog: Sample Four-Year Schedule

<table>
<thead>
<tr>
<th>Year One</th>
<th>Fall Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
<th>Spring Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1430</td>
<td>General Chemistry I Lab</td>
<td>1</td>
<td>F., Sp., Su.</td>
<td>PHYS 1730</td>
<td>Mechanics Lab</td>
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<td>F., Sp., Su.</td>
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<tr>
<td><strong>Total Hours</strong></td>
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<table>
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<tr>
<th>Year Two</th>
<th>Fall Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
<th>Spring Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
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<tbody>
<tr>
<td><strong>Total Hours</strong></td>
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<thead>
<tr>
<th>Year Three</th>
<th>Fall Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
<th>Spring Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
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<tbody>
<tr>
<td>MEEN 3240</td>
<td>Laboratory I Pre reqs: MEEN 2110, 2210, &amp; MATH 3410</td>
<td>2</td>
<td>F., Sp.</td>
<td>MEEN 3230</td>
<td>Dynamics and Controls Pre reqs: ENGR 2302, MATH 2700, 3410</td>
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<td>F., Sp., Su.</td>
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<td>MEEN 3250</td>
<td>Analytical Methods Pre reqs: MEEN 2240 &amp; MATH 3410</td>
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<td>F., Sp., Su.</td>
<td>MEEN 3242</td>
<td>Laboratory II Pre reqs: MEEN 3240 &amp; 3210, Co/Pre req: MEEN 3210</td>
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<td>F., Sp.</td>
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<tr>
<td><strong>Total Hours</strong></td>
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<td></td>
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<table>
<thead>
<tr>
<th>Year Four</th>
<th>Fall Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
<th>Spring Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
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<tbody>
<tr>
<td>Energy Elective</td>
<td>Options at mydegreeaudit.unt.edu Must complete pre reqs</td>
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<td>F., Sp.</td>
<td>Technical Elective</td>
<td>Options at mydegreeaudit.unt.edu Must complete pre reqs</td>
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<td>F., Sp.</td>
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<tr>
<td><strong>Total Hours</strong></td>
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<td></td>
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<td>15</td>
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Courses in **GREEN** are taken at UNT and require a particular prerequisite order.
Courses in **BLACK** can be fulfilled by AP, IB, CLEP, and/or Texas Community College Dual Credit or Transfer Credit and require a particular prerequisite order.
Courses in **BLUE** can be fulfilled by AP, IB, CLEP, and/or Texas Community College Dual Credit or Transfer Credit and can be completed in any term prior to graduation.
ENGL, TECM, MATH, CHEM, PHYS, ENGR, and MEEN courses require minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule.

This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. UNT students should check their degree audit at mydegreeaudit.unt.edu each term. UNT students should meet with their advisor each term to discuss individual scheduling, program decisions, etc.
### COMMUNICATION
- AP English Lang. And Comp. Score of 3
- IB English A: Lang. and Lit. Score of 5
- Community College: ENGL 1301

### SOCIAL AND BEHAVIORAL SCIENCES (Continued)
- Community College: SPCH 1318
- Community College: ECON 2301
- Community College: ECON 2302
- Community College: GEOG 1303
- Community College: TECA 1354
- Community College: COMM 1307
- Community College: PSYC 2301
- Community College: PSYC 2302
- Community College: SOCI 1301

### TECHNICAL WRITING
- Community College ENGL 2311: TECM 2700

### AMERICAN HISTORY I
- AP U.S. History score of 3
- CLEP History of United States I
- Community College: HIST 1301

### AMERICAN HISTORY II
- AP U.S. History score of 3
- CLEP History of United States II
- Community College: HIST 1302

### FEDERAL GOVT/POLI SCIENCE
- AP U.S. Government score of 3
- CLEP American Government
- Community College: GOVT 2305

### STATE GOVT/POLI SCIENCE
- Community College: GOVT 2306

### CREATIVE ARTS
- AP Art History score of 3
- IB Dance score of 4*
- Community College: ARTS 1301
- Community College: ARTS 1304
- Community College: MUSI 1306
- Community College: DRAM 1310

### LANGUAGES, PHILOSOPHY, AND CULTURE
- AP English Literature and Comp. score of 3
- AP World History score of 3
- IB History score of 4*
- IB Philosophy score of 5
- IB English Language A: Lit. Score of 5
- Community College: ENGL 2332
- Community College: ENGL 2333
- Community College: ENGL 2341
- Community College: HIST 2321
- Community College: HIST 2322
- Community College: PHIL 1301
- Community College: PHIL 1304
- Community College: PHIL 2303
- Community College: PHIL 2306

### SOCIA AND BEHAVIORAL SCIENCES
- AP Macroeconomics score of 3
- AP Microeconomics score of 3
- AP Psychology score of 3
- IB Economics score of 4*
- IB Geography score of 4*
- IB Psychology score of 4*
- CLEP Macroeconomics
- CLEP Microeconomics
- CLEP Human Growth and Development
- CLEP Introductory Psychology
- CLEP Introductory Sociology
- Community College: ANTH 2346
- Community College: ANTH 2351

### CHEMISTRY
- AP Chemistry score of 4: CHEM 1410, 1430
- AP Chemistry score of 5: CHEM 1410, 1430, and 1420, 1440
- IB Chemistry: CHEM 1410, 1430, and 1420, 1440
- CLEP General Chemistry: CHEM 1410, 1420
- Community College CHEM 1111: CHEM 1430
- Community College CHEM 1311: CHEM 1410
- Community College CHEM 1411: CHEM 1410, 1430

### PHYSICS
- AP Physics C (Mechanics) score of 4: PHYS 1710, 1730
- AP Physics C (Electricity and Magnetism) score of 4: PHYS 2220, 2240
- Community College PHYS 2125: PHYS 1730
- Community College PHYS 2126: PHYS 2240
- Community College PHYS 2325: PHYS 1710
- Community College PHYS 2326: PHYS 2220
- Community College PHYS 2425: PHYS 1710, 1730
- Community College PHYS 2426: PHYS 2220, 2240

### MATHEMATICS
- AP Calculus AB score of 3: MATH 1710
- AP Calculus BC score of 3: MATH 1710, 1720
- AP Calculus AB sub score of BC Exam score 3: MATH 1710
- IB Mathematics – Calculus: MATH 1710
- CLEP College Algebra: MATH 1100
- CLEP Pre-calculus: MATH 1650
- CLEP Calculus: MATH 1710
- Community College MATH 1314: MATH 1100
- Community College MATH 1414: MATH 1100
- Community College MATH 1442: MATH 1680
- Community College MATH 2312: MATH 1650
- Community College MATH 2412: MATH 1650
- Community College MATH 2313: MATH 1710
- Community College MATH 2314: MATH 1720
- Community College MATH 2315: MATH 2730
- Community College MATH 2318: MATH 2700
- Community College MATH 2320: Substitutes for MATH 3410
- Community College MATH 2413: MATH 1710
- Community College MATH 2414: MATH 1720
- Community College MATH 2415: MATH 2730
- Community College MATH 2418: MATH 2700
- Community College MATH 2420: Substitutes for MATH 3410
- Community College ENGR 2300: Substitutes for MATH 2700

### ENGINEERING
- Community College ENGR 1204: ENGR 1304
- Community College ENGR 1304: ENGR 1304
- Community College ENGR 2105: EENG 2611
- Community College ENGR 2301: ENGR 2301
- Community College ENGR 2302: ENGR 2302
- Community College ENGR 2332: ENGR 2332
- Community College ENGR 2305: EENG 2610
- Community College ENGR 2405: EENG 2610, 2611

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*Completion of IB program, earned IB Diploma, & minimum score of 4 or completion of IB program without the earned diploma & minimum score of 5, 6, or 7

Other community college or university courses may fulfill requirements. Please confirm with your advisor.