Engineering Majors

Calculus I, II, III
Differential Equations
General Physics I, II with calculus
Introduction to Engineering
Programming Language*
Linear Algebra (for most majors)*
Statistics for Scientist (for many majors)*
General Chemistry I (for most majors)*

*see reverse side

Engineering Club: Prestigious! Making Bio-Diesel, building Robots, recycling and lots of fun stuffs!!!

E-Day: last Friday in February of each year. The engineering club organizes a car-pool to attend this annual event in the morning of the E-day.

Transferring from AUM to Auburn
You need to meet the following minimum requirements:
1) cumulative GPA >=2.5.
2) eligibility to re-enter AUM
3) a minimum of 30 credit hours of core course work including at least the following courses:
   a English (college-level composition or literature, at least C),
   a History,
   Calculus I (at least C) and
   a natural science with a laboratory.

✓ Apply to Auburn at least nine months in advance.
✓ Apply for admission on line at www.auburn.edu.
✓ Have two official transcripts sent to Auburn Admissions.
✓ Send a plan of study.
✓ Attend a one-day orientation, after you are accepted at Auburn.

Contact at AUM

Dr. Yue Chen  
Associate Professor  
310C Goodwyn Hall 
(334) 244-3261  
ychen5@aum.edu

Dr. Tianran Chen  
Assistant Professor  
310A Goodwyn Hall 
(334) 244- 3322  
tchen1@aum.edu

For more information visit  
www.eng.auburn.edu  
or call 334.844.4310

Last revised: March 1, 2021
**Recommended Core Classes**

<table>
<thead>
<tr>
<th>Mathematics, Physics and Engineering</th>
<th>English</th>
<th>Social Sciences</th>
<th>Humanities</th>
</tr>
</thead>
</table>
| Calculus I, II, III \(^1\)  
MATH 1610, 1620, 2630 | English Composition I: ENGL1010 | World History I, II: HIST 1010, 1020 \(^4\) | World Literature I/II (take one): ENGL 2600/2610 \(^7\) |
| Differential Equations MATH 3690 \(^2\) | English Composition II: ENGL 1020 | Other Social Science (take one)  
ECON 2010 \(^5\), POLS 2020 \(^6\) | Fine Arts (take one)  
MUSC 2110, THEA 2040, VISU 1000 |
| General Physics I, II with Calculus \(^3\)  
PHYS 2100-1, 2200-1 | PSYC 2110, ANTH 2110, GEOG 2050, SOCI 2000 or SOCI 2007(Honors) | Ethics(take at AU): AU#: PHIL 1020  
or PHIL 1040 by major \(^8\) |
| Introduction to Engineering ENGR 1110 |

1: Calculus III not required by CSCI, but can be a CSCI math elective.  
2. Not required for CSCI, but can be a CSCI math elective.  
3: General Physics II (Calculus-based) is not required for Biosystems. CSCI may use any one of the Biology, Chemistry, Geology or Physics sequences.  
4. The sequence may be replaced by Civilization HIST 1060 and 1070. The American History sequence (HIST 2010 and 2020) is also accepted. However, this sequence does not meet Auburn SLO8, SLO9 requirements. Students who have taken American History sequence must very carefully determine which additional social science courses should be taken to meet the Auburn SLO 8&9 requirements. CIVL must choose HIST1020 or HIST1070.  
6. CIVL must choose POLS2020.  
7. The sequence may be replaced by [ENGL 2530 & 2540] Survey of English Literature I & II or [ENGL 2570 & 2580] Survey of American Literature I & II.  
8. Pre-medicine and biomedical specializations in chemical engineering accept AUM PHIL 2100.

**Other Recommended Classes by Major**

<table>
<thead>
<tr>
<th>Class</th>
<th>AERO</th>
<th>BSEN</th>
<th>CHEN</th>
<th>CIVL*</th>
<th>CSCI*</th>
<th>ECPE</th>
<th>ELEC*</th>
<th>INSY</th>
<th>MATL</th>
<th>MECH</th>
<th>SWEN</th>
<th>WIRE*</th>
<th>WIRS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry I: CHEM 1100-1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry II: CHEM 1200-1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic I, II: CHEM 3100-1, 3200-1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linear Algebra: MATH 2660</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Biology I: BIOL1010-1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology II: BIOL 1020-1</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics: STAT 4670</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>(3600)</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td>(3600)</td>
</tr>
<tr>
<td>(AU STAT #)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 2000 (C++)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>CSCI 2000 (Java)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Or INFO 3000 &amp; 3010</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ENGR 1210 (Matlab)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*: Not for Forest Option.  
*: CIVIL, CSCI require a science elective.  
*: ELEC, WIRE, and the software specialization of WIRS require a science/math elective.

_Last revised: Mar. 1, 2021._