

**2016-2017 UTK Transfer Transition Guide**  
**Major: Mechanical Engineering**

This program DOES NOT lead to an associate's degree from Roane State Community College. Consult with your Roane State faculty advisor to determine what additional courses would be required to attain an Associate of Science degree.

*RED courses are milestones.*

ROANE STATE COMMUNITY COLLEGE			
FIRST YEAR			
<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ENGL 1010 - Composition I	3	ENGL 1020 - Composition II	3
<sup>2</sup> Social/Behavioral Science Elective	3	<sup>3</sup> Culture/Civilizations Elective	3
CHEM 1110 - General Chemistry I	4	<sup>1</sup> Humanities/Fine Arts Elective	3
<i>MATH 1910 Calculus I</i>	4	MATH 1920 Calculus II	4
		ENGR 1120 Computer Aided Engineering	3
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>16</b>

SECOND YEAR			
<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
<i>ENGR 2110 Statics</i>	3	ECON 2020 - Microeconomics	3
ECON 2010 - Macroeconomics	3	<i>PHYS 2120 Calculus Based Physics II</i>	4
<sup>3</sup> Culture/Civilizations Elective	3	MATH 2010 Matrix Algebra	3
MATH 2110 - Calculus III	4	ENGR 2120 - Dynamics	3
<i>PHYS 2110 Calculus Based Physics I</i>	4	MATH 2120 - Differential Equations	3
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>16</b>

<sup>1</sup>Humanities/Fine Arts elective chosen from ARTH 1030, 2010, 2020; ENGL 2010, 2110, 2310, 2320, 2520; MUS 1030; PHIL 1030; THEA 1030

<sup>2</sup>Social/Behavioral Science elective chosen from GEOG 1220; POLS 1025, 1030; PSYC 1030, 2130; SOCI 1010, 1020, 2110

<sup>3</sup>Culture/Civilizations elective chosen from HIST 1010, 1020, 1210, 1220; PHIL 201; or an intermediate foreign language sequence (FREN 2010-2020; GERM 2010-2020; SPAN 2010-2020). Note: International students (F-1, J-1) are required to study US History HIST 2010-2020.

To be considered for admission to the College of Engineering at UT requires a minimum GPA of 2.80 and a C or better in ENGL 1010, MATH 1910, and CHEM 1110. These minimum standards for consideration do not guarantee being admitted. The final admission decision for the major resides with the department head or designee. If the student has completed any physics course, he/she must have a grade of C or better. The overall record will be evaluated for quality and seriousness of purpose. An excessive number of withdrawals, incompletes, repeated courses, or failures may result in denial.

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**Progression:** The first 2 years of the curriculum are considered to be lower division and the 2 remaining years upper division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall GPA, performance in selected lower division courses and evidence of orderly progression through the prescribed curriculum. **Full Status Progression:** A lower division student may apply for progression to upper division after completing EF 152 or 158; CHEM 120 or 128; MATH 231; ME 202, 231, and 321 with a grade of C or better in each, and an overall GPA of at least 2.4 in these courses. Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.

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**THIRD YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ME 331	3	ME 363	3
EF 230	2	ME 366	3
ECE 301	3	ME 391	3
AE 341	3	ME 466	3
MSE 201	3	ME 345	3
ME 321	3		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>15</b>

**THIRD YEAR**

<i>Summer Semester</i>	Credit hours
ME 344	3
PHYS 231	3
<b>TOTAL</b>	<b>6</b>

**FOURTH YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ME 475	3	ME 449	3
ME 365	3	ME 460	3
ME 410	2	<sup>5</sup> Departmental Elective	3

ME 450	3	<sup>5</sup> Departmental Elective	3
<sup>1</sup> Humanities/Fine Arts Elective	3	<sup>5</sup> Departmental Elective	3
<sup>4</sup> Technical Elective	3		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>15</b>

<sup>4</sup>Must be pre-approved and petitioned by the advisor and department head.

<sup>5</sup>Any 300-level or above courses in aerospace, biomedical, or mechanical engineering that are not already required.

<b>RSCC Hours</b>	<b>63</b>
<b>UTK Hours</b>	<b>70</b>
<b>Total</b>	<b>133</b>

### TRANSFER TRANSITION GUIDES

These guides, unless otherwise stated, provide an eight-semester plan for earning an associate degree at Roane State Community College and a baccalaureate degree at the University of Tennessee, Knoxville. When students enter UT Knoxville, they must meet the standards and follow the procedures outlined in the University's current Undergraduate Catalog.

1. Student transferring to UT Knoxville from two-year institutions must complete 60 semester hours at a senior institution.

2. The final 30 semester hours must be completed in residence at UT Knoxville.

3. Transfer students will have their progress tracked with uTrack – a tool that identifies milestones that are designed to keep students on track for timely graduation. For the 2016-2017 Transfer Transition Guides, milestone courses are indicated in *red*. Transfer students and counselors should review the UT Knoxville catalog (<http://catalog.utk.edu/>) for question concerning milestone completion for specific majors.

4. Students whose native language is *not* English may complete the foreign language requirement found in many transition guides by completing the English Composition requirement and any two-course literature sequence.

5. Grades earned at other colleges and universities are used only for admission, course placement, and other academic decisions at UT Knoxville. Although grades earned at other colleges and universities are not included in the UT Knoxville GPA, many UT Knoxville programs require a grade of "C" or higher in certain courses – including freshman composition.