

2016-2017 UTK Transfer Transition Guide
Major: Biomedical 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
ECON 2010 - Macroeconomics	3	ECON 2020 - Microeconomics	3
CHEM 1110 - General Chemistry I	4	CHEM 1120 - General Chemistry II	3
<i>MATH 1910 Calculus I</i>	4	MATH 1920 Calculus II	4
		ENGR 1120 Computer Aided Engineering	3
TOTAL	14	TOTAL	16

SECOND YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
<i>ENGR 2110 Statics</i>	3	<i>PHYS 2120 Calculus Based Physics II</i>	4
<i>PHYS 2110 Calculus Based Physics I</i>	4	BIOL 2020 Human Anatomy & Physiology II	4
BIOL 2010 Human Anatomy & Physiology I	4	MATH 2010 Matrix Algebra	3
MATH 2110 - Calculus III	4	ENGR 2120 - Dynamics	3
¹ Social/Behavioral Science Elective	3	MATH 2120 - Differential Equations	3
TOTAL	18	TOTAL	17

¹Social/Behavioral Science elective chosen from GEOG 1220; POLS 1025, 1030; PSYC 1030, 2130; SOCI 1010, 1020, 2110

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.

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, as well as BME 271 for biomedical engineers, 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.

UNIVERSITY OF TENNESSEE, KNOXVILLE

THIRD YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
MSE 201	3	BME 271	3
AE 341	3	ME 321	3
ECE 301	3	² Humanities/Fine Arts Elective	3
STAT 251	3	² Culture/Civilizations Elective	3
² Culture/Civilizations Elective	3	² Humanities/Fine Arts Elective	3
TOTAL	15	TOTAL	15

FOURTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
BME 474	3	BME 315	3
BME 363	3	BME 345	3
PHYS 231	3	PHYS 232	4
BME 473	3	BME 409	3
³ Technical Elective	3	⁴ BME Elective	3
TOTAL	15	TOTAL	16

FIFTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
BME 410 (OC)	2	BME 469	3
BME 430 (WC)	3		
BME 455	3		
Total	8	Total	3

²Choose course from the University General Education List located in the 2016-2017 Undergraduate Catalog.

³Technical elective must be preapproved.

⁴BME elective restricted to any 300-400 BME course not required for the degree or CHEM 350 or CHEM 358, CHEM 360 or CHEM 368.

RSCC Hours	65
UTK Hours	72
Total	137

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.