

2016-2017 UTK Transfer Transition Guide

Major: Electrical 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
¹ Humanities/Fine Arts Elective	3	² Social/Behavioral Science Elective	3
<i>MATH 1910 - Calculus I</i>	4	MATH 1920 - Calculus II	4
<i>CISP 1010 - Computer Science I</i>	4	CISP 1020 - Computer Science II	4
TOTAL	14	TOTAL	14

SECOND YEAR			
<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
CHEM 1110 - General Chemistry I	4	<i>PHYS 2120 Calculus Based Physics II</i>	4
³ Culture/Civilizations Elective	3	³ Culture/Civilizations Elective	3
<i>PHYS 2110 Calculus Based Physics I</i>	4	¹ Humanities/Fine Arts Elective	3
MATH 2110 - Calculus III	4	MATH 2120 - Differential Equations	3
² Social/Behavioral Science Elective	3	MATH 2010 - Matrix Algebra	3
TOTAL	18	TOTAL	16

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

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

³ 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 EECS department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the degree. Students taking ECE 201 must also have a C or better in EF 152/158. Progression of students to the upper-division courses is competitive and based on space available. Factors considered in the decision include overall GPA, grades earned in courses required in the lower division curricula and seriousness of purpose as exemplified by regular and orderly progress through the prescribed curriculum without abuse of withdrawal and course repeat privileges. Transfer students for whom ECE 201-202 transfer credit is given may take 9 semester hours in EECS courses before progression evaluation.

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THIRD YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ECE 201	3	ECE 202	3
COSC 130	4	⁴ Technical Elective	3
PHYS 231	3	PHYS 232	4
ECE 313	3	ECE 255	3
TOTAL	13	TOTAL	13

FOURTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ECE 315	3	ECE 316	3
ECE 335	3	ECE 336	3
ECE 325	3	ECE 342	3
ECE 341	3	⁴ Technical Elective	3
ECE 395	1		
TOTAL	13	TOTAL	12

FIFTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ECE 401	2	ECE 402	3
⁵ ECE Senior Elective	3		
⁵ ECE Senior Elective	3		
⁵ ECE Senior Elective	3		
⁵ ECE Senior Elective	3		
TOTAL	14	TOTAL	3

RSCC Hours	62
UTK Hours	68
Total	130

⁴Technical elective chosen from COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130 or 138, IE 405; MSE 201 or 207, MSE 410; ME 231, ME 321, ME 331, ME 344; NE 342 or 347.

⁵Choose 12 credit hours of Electrical Engineering senior electives with advisor's consent. Up to two COSC 5XX or ECE 5XX courses may count as upper-division electives. Acceptable electrical engineering senior electives are ECE 4xx courses that are not otherwise required.

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.