

**2016-2017 UTK Transfer Transition Guide**  
**Major: Nuclear 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**

<b>FIRST YEAR</b>			
<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ENGL 1010 - Composition I	3	ENGL 1020 - Composition II	3
<sup>1</sup> Humanities/Fine Arts Elective	3	<sup>2</sup> Social/Behavioral Science Elective	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
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>16</b>

<b>SECOND YEAR</b>			
<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	<sup>3</sup> Culture/Civilizations Elective	3
<sup>3</sup> Culture/Civilizations Elective	3	<i>PHYS 2120 Calculus Based Physics II</i>	4
MATH 2110 - Calculus III	4	<sup>1</sup> Humanities/Fine Arts Elective	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:** A lower division student may apply for progression to upper division after completing CHEM 120-130, MATH 141-142, MATH 231, EF 151-152, NE 200, and PHYS 231 with a grade of C or better in each, and an overall GPA of at least 2.5.

**Nuclear Graduation Requirements:** Students are required to maintain a cumulative GPA of at least 2.0 in all nuclear engineering courses taken at UTK. No more than four (4) credit hours of nuclear engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation.

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**THIRD YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
NE 200	2	NE 401	4
PHYS 231	3	PHYS 232	4
EF 230	2	NE 233	3
NE 342	3	NE 470	3
ECE 301	3	MSE 201	3
NE 362	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>17</b>

**FOURTH YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
NE 360	4	ME 321	3
NE 351	3	NE 400 (OC)	1
PHYS 341	3	NE 406	3
NE 402 (WC)	4	NE 472	3
<sup>4</sup> Technical Elective	3	<sup>4</sup> Technical Elective	3
NE 471	1	ME 331	3
<b>TOTAL</b>	<b>18</b>	<b>TOTAL</b>	<b>16</b>

<sup>4</sup>Technical electives are selected from upper-division mathematics, chemistry, physics, and engineering courses and must be preapproved by the department. Courses in nuclear engineering, other than 500, 502, and 598, may also be used as technical electives.

<b>RSCC Hours</b>	<b>63</b>
<b>UTK Hours</b>	<b>67</b>
<b>Total</b>	<b>130</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.