

**2016-2017 UTK Transfer Transition Guide**  
**Major: Chemical and Biomolecular Engineering**

This program **DOES NOT** lead to an associate's degree from Pellissippi State Community College.

*RED courses are milestones.*

**PELLISSIPPI STATE COMMUNITY COLLEGE**

**FIRST YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
ENGL 1010 - English Comp I	3	ENGL 1020 - English Comp II	3
<i>ENS 1510 - Engineering Fundamentals I</i>	4	<i>ENS 1520 - Engineering Fundamentals II</i>	4
CHEM 1110 - General Chemistry I	4	MATH 1920 - Calculus II	4
<i>MATH 1910 - Calculus I</i>	4	CHEM 1120 - General Chemistry II	4
ENS 1050 - Computer Methods in Engineering Problem Solving	1	ENS 1300 - Problem Solving for Engineering Transfer	2
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>17</b>

**SECOND YEAR**

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
MATH 2110 - Calculus III	4	MATH 2120 - Differential Equations	3
CHEM 2010 - Organic Chemistry I	4	<sup>1</sup> Humanities/Fine Arts Electives	3
<sup>1</sup> Humanities/Fine Arts Electives	3	<sup>2</sup> Culture and Civilizations Elective	3
PHYS 2110 - Calculus Based Physics I	4	<sup>3</sup> Social/Behavioral Science Elective	6
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>

<sup>1</sup> Humanities/Fine Arts elective chosen from ARTH 2010, 2020; ENGL 2060, 2110, 2120, 2210, 2220, 2310, 2320, 2331, 2510, 2520, 2530, 2810; MUS 1030; PHIL 1030; THEA 1030

<sup>2</sup> Culture and Civilizations elective chosen from ANT 1200; HIST 1010, 1020, 1110, 1120; PHIL 2010; 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.

<sup>3</sup> Social/Behavioral Science elective chosen from ANT 1300; GEOG 1000, HIST 2040; POLS 1020, 1030; PSYC 1030, 2100, 2130; SOCI 1010, 1020, 2010, SWRK 2030

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. A lower division student may apply for progression to upper division status after completing CBE 201, CBE 235, CBE 240, and CBE 250 with a grade of C- or better in each course and an overall GPA of 2.3 or better. Grades of C- or better in these four courses are required for graduation. EF 152 or EF 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
<b>CBE 201</b>	4	CBE 240	4
CBE 235	3	CBE 250	4
BIOL 160	3	<sup>4</sup> Biology Option I	3
CHEM 310	3	<sup>5</sup> Technical Elective	3
CHEM 319	1		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>14</b>

### FOURTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
CBE 350	3	CBE 340	3
CBE 301	3	CBE 360	3
<sup>6</sup> Chemistry Option I	3	CBE 380	1
<sup>5</sup> Technical Elective	3	<sup>5</sup> Technical Elective	3
		<sup>2</sup> Culture and Civilizations Elective	3
<b>TOTAL</b>	<b>12</b>	<b>TOTAL</b>	<b>13</b>

### FIFTH YEAR

<i>Fall Semester</i>	Credit hours	<i>Spring Semester</i>	Credit hours
<sup>5</sup> Technical Elective	3	CBE 401	1
CBE 445	3	CBE 488 or 490 (OC)	3
CBE 415 (WC)	4		
CBE 480	3		
<b>TOTAL</b>	<b>13</b>	<b>TOTAL</b>	<b>4</b>

<sup>4</sup> Biology Option I chosen from BCMB 230, 311, 321, 401, 402, 412; BIOL 220/229, 240, 260/269; MICR 210; CBE 455

<sup>5</sup> Technical Elective: One technical elective must be a chemical and biomolecular engineering course, with the exclusion of CBE 457. MSE 201 can be used as technical elective.

<sup>6</sup> Chemistry Option I: Any 200 level or above BCMB courses; any 200 level or above CHEM courses; Environmental Engineering 554, 562; MSE 340, 360; any 200 level or above MICR courses.

PSCC Hours	63
UTK Hours	70
Total	133

### TRANSFER TRANSITION GUIDES

These guides, unless otherwise stated, provide an eight-semester plan for earning an associate degree at Pellissippi 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.