

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

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

| <i>RED courses are milestones.</i> | | | |
|-------------------------------------------------|--------------|--------------------------------------------------------------------|--------------|
| WALTERS 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 |
| ³ Culture and Civilizations Elective | 3 | ³ Culture and Civilizations Elective | 3 |
| CHEM 1110/1111 - General Chemistry I and lab | 4 | MATH 1920 - Calculus II | 4 |
| <i>MATH 1910 - Calculus I</i> | 4 | CHEM 1120/1121 - General Chemistry II and lab | 4 |
| BIOL 1110/1111 - General Biology I and lab | 4 | CPSC 2170/2171 - Computer Programming for Math/Engineering and lab | 3 |
| TOTAL | 18 | TOTAL | 17 |
| 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 2010/2011 - Organic Chemistry I and lab | 4 | ² Humanities/Fine Arts Electives | 3 |
| ² Humanities/Fine Arts Electives | 3 | <i>PHYS 2120/2121 - Physics II</i> | 4 |
| <i>PHYS 2110/2111 - Physics I</i> | 4 | ¹ Social/Behavioral Science Elective | 3 |
| | | ¹ Social/Behavioral Science Elective | 3 |
| TOTAL | 15 | TOTAL | 16 |

¹Social/Behavioral Science elective chosen from GEOG 1030, 2010; POLS 1030, 2100; PSYC 1030, 2130; SOCI 1010, 1020, 1240

²Humanities/Fine Arts elective chosen from ARTH 1030, 2010, 2020; ENGL 2110, 2120, 2210, 2220, 2410, 2420; HUM 2010; MUS 1030; PHIL 1030, 2400; THEA 1030

³Culture/Civilizations elective chosen from HIST 1110-1120; PHIL 2210; or an intermediate foreign language sequence (FREN 2010-2020; SPAN 2010-2020). Note: International students (F-1, J-1) are required to study US History HIST 2010-2020.

*Students can earn an Associate of Science degree in General Studies by completing HIST 1110-1120 in order to satisfy the WSCC history requirement as well as the UTK Cultures and Civilizations requirement. Students would also need to take these additional courses which are not requirements at UTK: one English literature course, SPCH 1010, and successfully complete of the computer competency requirement (www.ws.edu/academics/technical-ed/computer-competency/). Students who have questions or would like more information regarding the associate degree requirements need to contact their WSCC advisor.

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 1110/1111. 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.

University of Tennessee, Knoxville

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.

UNIVERSITY OF TENNESSEE, KNOXVILLE

THIRD YEAR

| <i>Fall Semester</i> | Credit hours | <i>Spring Semester</i> | Credit hours |
|-----------------------|--------------|---------------------------------|--------------|
| <i>CBE 201</i> | 4 | CBE 240 | 4 |
| CBE 235 | 3 | CBE 250 | 4 |
| EF 230 | 2 | ⁴ Biology Option I | 3 |
| CHEM 310 | 3 | ⁵ Technical Elective | 3 |
| CHEM 319 | 1 | | |
| TOTAL | 13 | TOTAL | 14 |

FOURTH YEAR

| <i>Fall Semester</i> | Credit hours | <i>Spring Semester</i> | Credit hours |
|---------------------------------|--------------|---------------------------------|--------------|
| CBE 350 | 3 | CBE 340 | 3 |
| PHYS 231 | 3 | CBE 360 | 3 |
| CBE 301 | 3 | CBE 380 | 1 |
| ⁶ Chemistry Option I | 3 | ⁵ Technical Elective | 6 |
| TOTAL | 12 | TOTAL | 13 |

| FIFTH YEAR | | | |
|----------------------|--------------|------------------------|--------------|
| <i>Fall Semester</i> | Credit hours | <i>Spring Semester</i> | Credit hours |
| CBE 445 | 3 | CBE 401 | 1 |
| CBE 415 (WC) | 4 | CBE 488 or 490 (OC) | 3 |
| CBE 480 | 3 | | |
| TOTAL | 10 | TOTAL | 4 |

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

⁵Technical 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.

⁶Chemistry 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. (Students can take CHEM 2020 at Walters State for this requirement.)

| | |
|----------------------------|------------|
| Walters State Hours | 66 |
| UTK Hours | 66 |
| Total | 132 |

Transfer Transition Guides

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