2016-2017 UTK Transfer Transition Guide
Major: Material Science 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 Pre-Engineering.

RED courses are milestones.

WALTERS STATE COMMUNITY COLLEGE			
FIRST YEAR			
Fall Semester	Credit hours	***Spring Semester***	Credit hours
ENGL 1010 - Composition I	3	ENGL 1020 - Composition II	3
[3]Culture/Civilizations Elective	3	[3]Culture/Civilizations Elective	3
CHEM 1110/1111 - General Chemistry I and lab	4	CHEM 1120/1121 - General Chemistry II and lab	4
MATH 1910 - Calculus I	4	MATH 1920 - Calculus II	4
		CPSC 2170/2171 - Computer Programming for Math/Engineering and lab	3
TOTAL	**14**	**TOTAL**	**17**

SECOND YEAR			
Fall Semester	Credit hours	***Spring Semester***	Credit hours
[1]Social/Behavioral Science	3	ECON 2020 - Microeconomics	3
ECON 2010 - Macroeconomics	3	***PHYS 2120/2121 - Physics II***	4
PHYS 2110/2111 - Physics I	4	MATH 2120 - Differential Equations	3
[3]Humanities/Fine Arts Electives	3	[3]Humanities/Fine Arts Electives	3
MATH 2110 - Calculus III	4	MATH 2010 - Intro to Linear Algebra	3
TOTAL	**17**	**TOTAL**	**16**

[1]Humanities/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

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

[3]Culture/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 Pre-Engineering by completing HIST 1110-1120 in order to satisfy the WSCC history requirement as well as the UTK Cultures and Civilations 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: Progression of students to departmental upper division courses is competitive. Factors considered include overall GPA, performance in selected lower division courses, and evidence of satisfactory and orderly progress through the prescribed curriculum. A lower division student applies for upper division status after completing 50 hours of lower division engineering course work with an overall GPA of 2.4. This must include MSE 201. Graduation in MSE requires 2.0 for all MSE courses.

UNIVERSITY OF TENNESSEE, KNOXVILLE			
THIRD YEAR			
Fall Semester	Credit hours	***Spring Semester***	Credit hours
MSE 201	3	MSE 101	1
MSE 210	1	MSE 290	1
EF 230	2	MSE 250	3
[4]Technical Electives	6	MSE 260	3
PHYS 231	3	PHYS 232	4
TOTAL	**15**	**TOTAL**	**12**

FOURTH YEAR			
Fall Semester	Credit hours	***Spring Semester***	Credit hours
MSE 300	1	MSE 304	1
MSE 320	3	MSE 350	3
MSE 340	3	MSE 370	3
MSE 360	3	MSE 302	3
MSE 301	3	MSE 390	3
TOTAL	**13**	**TOTAL**	**13**

FIFTH YEAR			
Fall Semester	Credit hours	***Spring Semester***	Credit hours
MSE 405 (WC)	4	MSE 489 (OC)	3

MSE 480	3		
[5]MSE Senior Electives	6		
TOTAL	**13**	**TOTAL**	**3**

[4]Technical electives chosen from ECE 301; BCMB 230; BIOL 160 or 168; BME 409; CBE 475; CHEM 350; EF 333; ME 321; any MSE course; NE 483, 484; other 300- or 400-level science or engineering courses as approved by academic advisor and department head.

[5]MSE Senior electives chosen from MSE 408, 410, 421, 425, 432, 440, 445, 450, 451, 455, 457, 460, 466, 474, 484, 485, 486, 494, 495

Walters State Hours	**64**
UTK Hours	**69**
Total	**133**

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.