

TTU Bachelor of Science in Mechanical Engineering
Transfer Resource

An applicant who has begun college somewhere other than TTU (following high school graduation or receiving a GED) is a transfer student. If the student has completed less than twenty-four transferable semester hours of degree credit (college-level courses), the admission application to TTU will be evaluated on a combination of college-level and high school course work as well as college entrance examination results.

1. Applicants for transfer to TTU from PSCC must request official transcripts which bear the seal of PSCC and any other institution attended to be mailed by each institution attended. No transcript from any institution previously attended may be omitted. The student shall also submit any other records or letters which the University may require in support of the application.
2. Applicants for transfer upon graduation from a Tennessee Board of Regents community college, having earned an A.A. or A.S. in a university-parallel program, will usually be eligible for admission.
3. Transfer applicants to TTU must meet the following academic standards based on all of their previous coursework (except developmental studies/learning support courses) at all institutions. (1) Must have a minimum cumulative GPA of 2.0; (2) Must have at least a 2.0 in their last full-time semester (or last 12 hours for part-time students). The Admissions Office will also evaluate the student's progress toward completing any required high school deficiencies and remedial/developmental courses. Failure to complete such courses may result in a denial of admission.
4. An applicant under disciplinary suspension or probation will not be considered for admission to TTU until a satisfactory statement has been furnished by the former college and approval given by the Admissions Review Committee.
5. All students graduating from high school in 1989 and thereafter must have completed academic high school units identified under section 4 of "Admission to Freshman Standing".
6. Students who wish to obtain a General Associate of Science degree from PSCC should also complete a history sequence (HIS 1010-1020 or HIST 1110-1120), in addition to the required six hours of humanities and fine arts and the C-base exit exam.

Humanities and Fine Arts Electives: ENGL 2110, 2120, 2210, 2220, 2310, 2320; HIST 1010, 1020, 1110, 1120; MUS 1030; PHIL 1030; THEA 1030

Social/Behavioral Science Electives: ECON 2010, 2020; GEOG 1000; POLS 1020; PSYC 1030; SOC 1010

Literature Electives: ENGL 2110, 2120, 2210, 2220, 2310, 2320

Mechanical Engineering

| | TTU Course (titles have been abbreviated) | hr | PSCC Course | hr |
|-----------|---|-----------|---------------------------------|-----------|
| Fall-Y1 | ENGL 1010 Writing I | 3 | ENGL 1010 | 3 |
| | MATH 1910 Calculus I | 4 | MATH 1910 | 4 |
| | CHEM 1110 General Chemistry I | 4 | CHEM 1110 | 4 |
| | ENGR 1110 Engineering Graphics | 2 | MET 1100 | 3 |
| | ENGR 1020 Connections to Engineering | 1 | Not reqd. for transfer students | |
| | Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts | 3 |
| spring-Y1 | ENGL 1020 Writing II | 3 | ENGL 1020 | 3 |
| | MATH 1920 | 4 | MATH 1920 | 4 |
| | ENGR 1120 Programming for Engineers | 2 | CSIT 1300 | 2 |
| | PHYS 2110/2111 Calculus Based Physics I with Lab (Mechanics, mechanical waves, thermodynamics) | 4 | ENS 1510 | 4 |
| | | | ENS 1520 | 4 |
| | Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts | 3 |
| Fall-Y2 | Literature Elective | 3 | Literature Elective | 3 |
| | MATH 2110 Calculus III | 4 | MATH 2110 | 4 |
| | CEE 2110 Statics | 3 | ENS 2110 | 3 |
| | ECE 2010 Electrical Circuits | 3 | ECE 2010 | 3 |
| | PHYS 2120/2121 Calculus Based Physics II with Lab (electromagnetism and optics) | 4 | PHYS 2110 | 4 |
| Spring-Y2 | MATH 2120 Differential Equations | 3 | MATH 2120 | 3 |
| | MATH 2010/2011 Elementary Matrix Algebra with Lab | 3 | MATH 2010 | 3 |
| | CEE 3110 Mechanics of Materials | 3 | | |
| | ME 2330 Dynamics | 3 | ENS 2310 | 3 |
| | SPH 2410 Introduction to Speech Communications | 3 | SPCH 1010 | 3 |
| Fall-Y3 | ME 3001 Mechanical Engineering Analysis | 3 | | |
| | ME 3010 Materials and Processes in Manufacturing | 3 | | |
| | ME 3023 Measurements in Mechanical Systems | 3 | | |
| | ME 3210 Thermodynamics I | 3 | | |
| | ME 3610 Dynamics of Machinery | 3 | | |
| Spring-Y3 | ME 3220 Thermodynamics II | 3 | | |
| | ME 3710 Heat Transfer | 3 | | |
| | ME 3720 Fluid Mechanics | 3 | | |
| | ME 3900 Professionalism and Design | 3 | | |
| | ME 4010 Machine Design | 3 | | |
| Fall-Y4 | ME 3050/3060 Dynamic Modeling and Controls with Lab | 4 | | |
| | ME 4020 Applied Machine Design | 3 | | |
| | Area of Emphasis Course | 3 | | |
| | Area of Emphasis Course | 3 | | |
| | Social/Behavioral Science Elective | 3 | Social/Behavioral Sci. | 3 |
| Spring-Y4 | ME 4444 Senior Design Project | 4 | | |
| | ME 4720 Thermal Design | 3 | | |
| | ME 4751 Energy Systems Laboratory | 2 | | |
| | Area of Emphasis Course | 3 | | |
| | Area of Emphasis Course | 3 | | |
| | Social/Behavioral Science Elective | 3 | Social/Behavioral Sci. | 3 |

Total Hours (not including ENGR 1020)

128

72