

TRANSFER ARTICULATION: ENGINEERING DESIGN TECHNOLOGY

Cooperative program leading to the Bachelor of Science Degree in Engineering Design Technology at Sam Houston State University.

The Engineering Design Technology program focuses on developing designs and design concepts. Designers assist engineers in developing product prototypes and models. The concentration focuses on design study to assist in implementation of technology innovation, materials, and aesthetic values. The academic concentration is interdisciplinary with course requirements in design, business, management, production, and quality control analysis. Competencies to obtain by the student will include presentation skills, comprehension of blueprints, product design specifications, problem-solving, and communication skills. As an Engineering Design Technology graduate in the Department of Engineering Technology, you will find career opportunities in entry-level positions as product designers, architectural designers, and assistant designers. For the most up-to-date information on current activities, clubs, and faculty contacts, please visit Department of Engineering Technology (<https://www.shsu.edu/academics/engineering-technology/>). Basic degree and transfer information appears below. Furthermore, this is a great minor for Interior Design majors.

There are currently 600 + students enrolled in Engineering Technology at SHSU. Enrollment in the program has grown by over 50% during the past 5 years when the department was restructured from Industrial Technology to Engineering Technology. The B.S. in Engineering Design Technology degree program is one of the fastest growing majors in both the department and the College of Science and Engineering Technology (COSET) at SHSU. There are literally hundreds of possible career opportunities for those graduating with a degree from the Engineering Technology program at SHSU.

For additional information regarding admission requirements, degree programs, description of courses, and financial assistance available, please refer to the appropriate sections of the undergraduate catalog (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/>). Brochures and information concerning the department and scholarships may be obtained by calling 936-294-1191, by writing: Sam Houston State University, Department of Engineering Technology, Engineering Technology program, Huntsville, Texas, 77341-2266, or by visiting Department of Engineering Technology (<https://www.shsu.edu/academics/engineering-technology/>).

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Location: Fred Pirkle Engineering Technology Center, PIRK 420C

Courses Transfer Students Should Take at the Community College:*

SHSU Course Number	College/TCCN	SHSU Course Title	Semester Credit Hours
CHEM 1411	CHEM 1411	General Chemistry I	4
ETCM 2363	ARCH 2603	Architectural Design	3
ETDD 1361	ENGR 1304	Engineering Graphics	3
ETDD 1366		Machining Technology I	3
ETDD 1390	ENGR 1304	Intro -Computer Aided Drafting	3
ETEC 1010		Engineering Foundations	1-2
ETEC 1371	ENGR 1304	Descriptive Geometry	3
ETEE 1340	ENGT 1401	Introduction to Circuits	3
MATH 1314	MATH 1314	Pre Calculus Algebra	3
MATH 1316	MATH 1316	Plane Trigonometry	3
MATH 1420	MATH 2413	Calculus I	4
PHYS 1101	PHYS 1101	General Physics Laboratory I	1
PHYS 1102	PHYS 1102	General Physics Laboratory II	1
PHYS 1301	PHYS 1301	General Phy-Mechanics & Heat	3
PHYS 1302	PHYS 1302	Gen Phy-Snd,Lght, Elec, & Mag	3

***Note:** Other courses may transfer, depending upon the selected degree or program. Meet with your academic advisor to confirm whether coursework will transfer from another institution. For a complete listing of degree-specific requirements, please, review the degree plan within the Undergraduate Catalog (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/>).

- Bachelor of Science, Major in Construction Management (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-construction-management/>)
- Bachelor of Science, Major in Electronics and Computer Engineering Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-electronics-computer-engineering-technology/>)
- Bachelor of Science, Major in Engineering Design Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-engineering-design-technology/>)

- Bachelor of Science, Major in Engineering Technology - Concentration in Electronics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-engineering-technology-concentration-electronics/>)
- Bachelor of Science, Major in Engineering Technology - Concentration in Safety Management (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-engineering-technology-concentration-safety-management/>)
- Bachelor of Science, Major in Engineering Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/bs-engineering-technology/>)
- Bachelor of Science, Major in Mechanical Engineering Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/engineering-technology/bs-mechanical-engineering-technology/>)
- Minor in Architectural Design Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/engineering-technology/architectural-design-technology-minor/>)
- Minor in Construction Management (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/construction-management-minor-/>)
- Minor in Electronics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/electronics-minor/>)
- Minor in Engineering Design Technology (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/design-development-minor-/>)
- Minor in Industrial Safety Management (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/industrial-safety-management/>)
- Minor in Interior Design (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/interior-design-minor/>)
- Minor in Trades and Industry Certification (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/agricultural-science/trades-and-industry-certification-minor/>)

Field of Study

Sam Houston State University supports the State of Texas Fields of Study (<https://www.highered.texas.gov/our-work/supporting-our-institutions/program-development/texas-transfer-framework/>).

The Core Curriculum (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/>) at Sam Houston State University (to be used by all incoming students as of fall 2014) contains 42 semester credit hours, encompassing nine component areas. Each component area has a minimum credit hour requirement and a selection of specific courses that may be used to satisfy the requirement. The Core Curriculum (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/>) details Sam Houston State University courses and their Texas Common Course Number (TCCN) equivalents for college transfer students which comprise SHSU's core curriculum.

Many SHSU disciplines including the sciences, business, and education require specific courses from the SHSU core as degree specific graduation requirements. To minimize cost and time to complete degree requirements always select SHSU/transfer core courses specified as degree requirements in your intended major. If you have not decided on a major, select core courses supporting your intended area of academic concentration.

Prior to enrolling in core classes, students are encouraged to review specific degree requirements for their major. Selection of major-specified core courses reduces the total number of hours required for graduation.

If you do not see a Texas Common Course Number (TCCN) mapping a specific core course to your transfer institution, please go to Transfer Course Equivalency Guide (<https://ww2.shsu.edu/regr27wp/>) and select your institution from the drop-down menu. The result will list all currently mapped transfer courses from your institution to SHSU courses.