Transfer Guide
Lee College & UHD
Bachelor of Science in Engineering Technology
Major in Structural Analysis & Design
2012-2013

Students pursuing a Bachelor of Science degree in Engineering Technology, major in Structural Analysis & Design at the University of Houston-Downtown are strongly encouraged to complete an Associate degree before transferring to UHD. The Associate Degree provides a solid foundation through the traditional liberal arts education, and Associate degree core curriculum courses taken at Lee College will transfer to UHD. Studies indicate students who complete an Associate degree are more likely to successfully complete a Bachelor’s degree.

General Education Core Curriculum

Lee College
Written Communication (6 hours) 010
ENGL 1301 English Composition I
ENGL 1302 English Composition II

Oral Communication (3 hours) 011
Select one of the following:
SPCH 1311 Introduction to Speech Communication
SPCH 1315 Principles of Public Speaking
SPCH 1318 Interpersonal Communication
SPCH 1321 Business & Professional Communication*

Any course taken to complete this core component not listed above will satisfy the requirement at UHD.
For a complete list of all fully transferable Lee College Communication courses and options check the 2012-2013 Catalog.

Mathematics (4 hours) 020
MATH 2413 Calculus I with Analytic Geometry

Natural Science (8 hours) 030
PHYS 1401 College Physics I: Mechanics and Heat
PHYS 1402 College Physics II: Sound, Electricity, Magnetism, Light, and Modern Physics

Humanities (3 hours) 040
For a complete list of all fully transferable LC Humanities core course options check the 2012-2013 Catalog.
NOTE: Students should consider taking a sophomore literature class to meet future prerequisites.

Visual and Performing Arts (3 hours) 050

General Education Core Curriculum

UHD
Written Communication (6 hours) 010
ENG 1301 Composition I
ENG 1302 Composition II

Oral Communication (3 hours) 011
Select one of the following:
COMM 1304 Introduction to Speech Communication
COMM 1306 Beginning Public Speaking
COMM 2309 Interpersonal Communication
COMM 3306 Business & Professional Speech Comm

Mathematics (4 hours) 020
MATH 2401 Calculus I

Natural Science (6 hours) 030
PHYS 1307/1107 General Physics I w/Lab
PHYS 1308/1108 General Physics II w/Lab

Humanities (3 hours) 040
Any literature class

Visual and Performing Arts (3 hours) 050
Select one of the following:
ARCH, ARTS, DRAM or MUSI

American History (6 hours) 060
HIST 1301 History of the U.S. to 1877
HIST 1302 History of the U.S. Since 1877
HIST 2301 History of Texas
(Select 6 hours with 3 hours from U.S. History)

Government (6 hours) 070
GOVT 2301 American Government I
GOVT 2302 American Government II

Social/Behavioral Science (3 hours) 080
Select one of the following:
GEOG 1303 World Regional Geography
PSYC 2301 Introduction to Psychology
SOCI 1301 Introductory Sociology
Any course taken to complete this core component not
listed above will satisfy the requirement at UHD.
For a complete list of all fully transferable Lee College
Social/Behavioral courses and options check the
2012-2013 catalog.

Computer Literacy (3 hours)

Kinesiology (1 hour) 090
Any One hour KINE course
For a complete list of all fully transferable Lee
College KINE course options check the 2012-2013
Lee College Catalog.

A transfer student who has successfully completed all of the common core requirements at Lee College or another institution of higher education will satisfy all the UHD common core requirements. If not all of the common core requirements have been completed prior to the transfer, each core course transferred will be credited and will satisfy the corresponding common core requirements at UHD. Remaining UHD Common Core requirements must be satisfied. All prerequisites for UHD courses must be met.

Courses not listed on this sheet that satisfy core curriculum components (see italicized number) satisfy the equivalent component at the transferring institution or as free elective.

Structural Analysis and design Requirements

Lower Division
CHEM 1411 General Chemistry I

Lower Division
CHEM 1307/1107 General Chemistry I w/Lab
EET 1411 Electric Circuits with Lab
ENGR 1302 Engineering & Technology Fundamentals
ENGR 2410 Analysis of Engineering Networks w/Lab
ENGR 2407 Surveying

Upper Division
ENGR 3302 Engineering Economics
ENGR 3311 Structural Analysis I
ENGR 3312 Reinforced Concrete Design
ET 3320 Modern Concrete Technology
ET 3321 Soil Mechanics
ET 3322 Finite Element Analysis of Structures
ENGR 3407 Industrial Robotics w/Lab
ET 4320 Prestressed Concrete
ET 4321 Structural Steel Design
ET 4322 Foundation Design
ET 4323 Technology Seminar
ET 4324 Senior Concrete Project
ET 4325 Senior Steel Project
ENGR 4411 Structural Design for Fire Safety
ENGR 4420 Fire Dynamics
ENGR 4326 Structural Dynamics and Control

ENGR 3311, ENG 3302 and ET 4323 satisfy the W & S applications course requirements of the General Education Program.

Courses taken at Lee College do not transfer as Upper Level credits.

Check with your advisor about how requirements from the Associate of Arts, the Associate of Science, and whether requirements from the Associate of Applied Science may be applied.

For a complete list of all the Academic Requirements and criteria for the College of Sciences and Technology, Engineering Technology Department, located at 738-North, call 713-221-8089, or visit the web site at www.uhd.edu/academic/colleges/sciences/engineeringtech/

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