## Transfer Guide

**Lee College & UHD**

**Bachelor of Science in Engineering Technology**

**Major in Fire Protection Engineering Technology**

### 2012-2013

Students pursuing a Bachelor of Science degree in Engineering Technology, majoring in Fire Protection Engineering Technology 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 Bachelors degree.

### Common Core Requirements

#### 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 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.

#### 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 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**

### Mathematics (4 hours) 020

- **MATH 2401 Calculus I**

### Natural Science (8 hours) 030

- **PHYS 1307/1107 General Physics I w/Lab**
- **PHYS 1308/1108 General Physics II w/Lab**

### Humanities (3 hours) 040

- **For a complete list of all fully transferable Lee College Humanities core course options check the 2012-2013 Catalog.**

### Humanities (3 hours) 040

- **Any literature class**

**NOTE:** Students should consider taking a sophomore literature class to meet future prerequisites.
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.

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.

Computer Literacy (4 hours) 090
ENGR 1400 PC Applications in Engineering

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.

General Requirements for Graduation in Fire Protection Engineering Technology (FPET)
The FPET division of the Engineering Technology department requires that all candidates pursuing a degree in FPET must
earn a grade of "C" or better in "all" ENGR course work. In addition, not more than two grades of "D" in Math, Physics, and
Chemistry will be accepted.

### Fire Protection Engineering Technology Requirements

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<tr>
<th>Lower Division</th>
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<tbody>
<tr>
<td>CHEM 1411 General Chemistry I</td>
<td>CHEM 1307/1107 General Chemistry I w/Lab</td>
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<td>EET 1411 Electric Circuits with Lab</td>
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<td>ENGR 1302 Engineering and Technology Fundamentals</td>
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<td>ENGR 2407 Surveying with GIS-GPS</td>
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<td>ENGR 2409 Engineering Mechanics with Lab</td>
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<td>ENGR 2410 Analysis of Engineering Networks</td>
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<td>ENGR 2411 Modern Methods of Engineering Analysis</td>
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<tr>
<th>Upper Division</th>
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<tr>
<td>ENGR 3302 Engineering Economics</td>
<td></td>
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<tr>
<td>ENGR 3307 Applied Thermodynamics &amp; Heat Transfer</td>
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<td>ENGR 3308 Fluid Mechanics I</td>
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<td>ENGR 3310 3-D Fire Modeling</td>
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<td>ENGR 3320 Principles of Fire Protection Chemistry &amp; Physics</td>
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<td>ENGR 3330 Fire Alarm Signaling Systems</td>
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<td>ENGR 3340 National Fire Alarm Codes</td>
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<td>ENGR 3345 Automatic Fire Suppression Systems</td>
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<td>ENGR 3365 Fire Protection for Power Plants</td>
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<td>ENGR 4310 Industrial Hygiene</td>
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<td>ENGR 4350 Industrial Loss Prevention</td>
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<td>ENGR 4360 Advanced Fire and Safety Problems</td>
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<td>ENGR 4370 Human Factors in Safety and Fire</td>
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<td>ENGR 4411 Structural Design for Fire Safety</td>
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<td>ENGR 4420 Fire Dynamics</td>
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<td>ET 4323 Technology Seminar</td>
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**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/  

Revised 9/18/12