

## Aerospace Engineering – Bachelor of Science

### College of Science and Engineering

## UHCL Transfer Guide with Texas Common Course Numbering System (TCCNS) for students transferring from a Texas Public College/University

### Texas Core Curriculum Requirements (42 hours)

Communication 010 (6 hours) (Grade of C- or higher is required)

Texas Common Course:	UHCL Equivalent:
ENGL 1301 – Composition I	ENGL 1301 – Composition I
ENGL 1302 – Composition II or ENGL 2311 – Technical & Business Writing	ENGL 1302 – Composition II or ENGL 2311 – Intro to Professional Writing

Mathematics 020 (3 hours)

Texas Common Course:	UHCL Equivalent:
MATH 2413 – Calculus I	MATH 2413 – Calculus I

Life & Physical Science 030/090 (8 hours)

Texas Common Course:	UHCL Equivalent:
PHYS 2325/2125 – University Physics I & Lab	PHYS 2425 – University Physics I & Lab
PHYS 2326/2126 – University Physics II & Lab	PHYS 2426 – University Physics I & Lab

Language, Philosophy, and Culture 040 (3 hours)

Choose **one** course from your current college's Core Curriculum approved list for this category.

Creative Arts 050 (3 hours)

Choose **one** course from your current college's Core Curriculum approved list for this category.

American History 060 (6 hours)

Texas Common Course:	UHCL Equivalent:
HIST 1301 – US History I	HIST 1301 – US History I
HIST 1302 – US History II	HIST 1302 – US History II

Government/Political Science 070 (6 hours)

Texas Common Course:	UHCL Equivalent:
GOVT 2305 – Federal Government	POLS 2305 – Federal Government
GOVT 2306 – Texas Government	POLS 2305 – Federal Government

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Social & Behavioral Science 080 (3 hours)

Choose **one** course from your current college's Core Curriculum approved list for this category.

Component Area Option 090 (4 hours)

\* Choose **two** courses from your current college's Core Curriculum approved list for this category.

### \*\* Lower-Level Major Requirements (31 hours)

Texas Common Course:	UHCL Equivalent:
CHEM 1311/1111 – General Chemistry I & Lab	CHEM 1311/1111 – General Chemistry I & Lab
MATH 2320 – Differential Equations	MATH 2320 – Differential Equations
MATH 2318 – Linear Algebra	MATH 2318 – Linear Algebra
MATH 2414 – Calculus II	MATH 2414 – Calculus II
MATH 2315/2415 – Calculus III	MATH 2315/2415 – Calculus III
ENGR 2301 - Engineering Mechanics - Statics	ENGR 2301 - Statics
ENGR 2302 - Engineering Mechanics - Dynamics	ENGR 2302 - Dynamics
ENGR 2304 - Programming for Engineers	ENGR 2304 - Computing for Engineers
ENGR 2305 Electrical Circuits	ENGR 2305 Electrical Circuits
ENGR 1304 - Engineering Graphics	MENG 1204 - Engineering Graphics for Mechanical Engineers

### Transfer Guide Notes

Students are encouraged to follow the Associate of Science in Engineering degree plan at their community college, which incorporates the foundational Engineering, Math, and Science courses required for the Aerospace Engineering BS.

\* Extra Texas Core classes completed may end up satisfying these—check with a [UHCL Transfer Advisor](#) prior to enrolling in any Component Area Option 090 courses.

\*\* ENGR 1201 – Introduction to Engineering will not be accepted toward the Aerospace Engineering BS. Students must take AERO 1201 – Introduction to Aerospace Engineering at UHCL, even if they have previously completed ENGR 1201.

### Transfer Credit Limit

UHCL will accept all **73 hours** of the transfer courses listed above toward the Mechanical Engineering BS degree requirements, however students may [apply to transfer](#) at any time.

**This bachelor's degree is 128 hours.** The remaining Upper-Level requirements (**55 hours**) are to be completed through UHCL. The official requirements for this degree, including the transfer admission requirements for the Mechanical Engineering Program, may be viewed in the [undergraduate catalog](#).