

**Physics – Bachelor of Science**  
with Engineering Physics Specialization  
*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<br>ENGL 2311 – Technical & Business Writing | ENGL 1302 – Composition II or<br>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:                            |
|--|---|
| CHEM 1311/1111 or CHEM 1411 - General Chemistry I & Lab  | CHEM 1311/1111 - General Chemistry I & Lab  |
| CHEM 1312/1112 or CHEM 1412 - General Chemistry II & Lab | CHEM 1312/1112 - General Chemistry II & 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 |

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### Government/Political Science 070 (6 hours)

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

### 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 (19 hours)

| Texas Common Course:                                      | UHCL Equivalent:                        |
|---|---|
| PHYS 2325/2125 or PHYS 2425 - University Physics I & Lab  | PHYS 2425 - University Physics I & Lab  |
| PHYS 2326/2126 or PHYS 2426 - University Physics II & Lab | PHYS 2426 - University Physics II & Lab |
| MATH 2414 - Calculus II                                   | MATH 2414 - Calculus II                 |
| MATH 2315 or MATH 2415 - Calculus III                     | MATH 2315 - Calculus III                |
| COSC 1336 or COSC 1436 - Computer Science I               | CSCI 1470 - Computer Science I          |

### Transfer Guide Notes

\* Any 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.

### Transfer Credit Limit

UHCL will accept up to **61 hours** of the transfer courses listed above toward this degree's requirements, however students may [apply to transfer](#) at any time. The courses listed above are only provided for those who are attempting to maximize course options at their current community college prior to transferring.

**This bachelor's degree is 120 hours.** The remaining upper-level requirements (**59 hours**) are to be completed through UHCL. The official requirements for this degree may be viewed in the [undergraduate catalog](#).