

**Physics – Bachelor of Science**  
with Biochemical 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 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:
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 (31 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 – Programming Fundamentals I	CSCI 1470 – Computer Science I
BIOL 1306/1106 or BIOL 1406 – Biology for Science Majors I & Lab	BIOL 1306/1106 – Biology for Science Majors I & Lab
BIOL 1307/1107 or BIOL 1407 – Biology for Science Majors II & Lab	BIOL 1307/1107 – Biology for Science Majors II & Lab
CHEM 2323/2123 or CHEM 2423 – Organic Chemistry I & Lab	CHEM 2323/2123 – Organic Chemistry I & Lab

### 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 **73 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 (**47 hours**) are to be completed through UHCL. The official requirements for this degree may be viewed in the [undergraduate catalog](#).