

Post-Baccalaureate Teacher Certification Mathematics 7-12

2017-2018

Please refer to the university catalog for course descriptions, prerequisites, and admission requirements to Teacher Education Program. Any changes made by the University of Houston-Clear Lake or the State of Texas in interpreting the rulings on certification may supersede the requirements of this plan. Students who wish to pursue teacher certification concurrently with a master's degree can enroll in a *Graduate Teacher Certification* program. These students have the option to complete graduate coursework in place of some of the required undergraduate courses (see below). Some of these graduate courses may also apply to a master's degree. Please note that post-baccalaureate students pay undergraduate tuition while graduate students pay graduate tuition regardless of the level of the course.

Mathematics 7-12 (40-75 hours)

(Must earn a "C-" or better in all coursework.)

Prerequisites to the Teacher Education Program (TEP) (9 hours)

EDUC 4310—Theories of Educational Psychology SILC 4315—Theories of American Pluralism

INST 3313—Survey of Instructional Technologies

Basic skills in reading, mathematics & writing requirement

Public speaking requirement

2.75 GPA overall or in the last 60 semester credit hours of college coursework

Completion of 15 semester credit hours in the subject-specific content area for target teacher certification

Completion of application for admission to Teacher Education Program (TEP)

\$57 TEP Application Fee

Content Area Courses (0-35 Hours) *Courses may be waived. See back for details.*

If required, overall 2.50 GPA required in content area courses; must complete at least 12 content-area hours at UHCL.

MATH 2318—Linear Algebra

STAT 4344—Introduction to Probability

MATH 2413—Calculus I

5 MATH Electives (Choose 5 courses from MATH 2315, MATH 2320,

MATH 2414—Calculus II

MATH 3300, MATH 3301, MATH 4315, MATH 4316, MATH 4322,

MATH 3304—Algebra Through Technology

MATH 4325 or STAT 4345)

MATH 3305—Euclidian and Non-Euclidian Geometry

Other Required Courses (16 hours)

LLS 4311—Survey of Reading

TCED 4102—Secondary (4-8 & 7-12) Content Teacher Seminar

LLS 4351—Reading in Content Subjects

TCED 4306—Creating Positive Learning Environments in 7-12

SPED 4300—Survey of Exceptionalities

Choose one course in a scientific programming language (C++, C, JAVA, VISUAL BASIC, BASIC, FORTRAN or PASCAL)

Pedagogy (15 hours) *Prerequisite: Admission to TEP. Must earn overall 3.0 GPA in pedagogy courses.*

TCED 4363—Methods in Secondary Mathematics (*Must pass MATH 3304 exemption test, or receive a C- or better in MATH 3304.*)

Internship Options:

Option 1: Pre-Service Internship/Student Teaching

Option 2: UHCL Alternative Certification Program (ACP)

TCED 4378—Pre-Service Internship I

TCED 4678—Post-Degree Internship I

TCED 4978—Pre-Service Internship II/Student Teaching

TCED 4679—Post-Degree Internship II/Student Teaching

Approved Graduate Course Alternatives for Graduate Teacher Certification Students

LLS 5135—Dev. Reading Programs for Secondary Students (LLS 4311)

SPED 5030—Survey of Individual Differences (SPED 4300)

LLS 5531—Critical Reading and Thinking (LLS 4351)

TCED 5236—Math. Methods for the Secondary Grades (TCED 4363)

SILC 6030—Foundations of Multicultural Education (SILC 4315)

TCED 6031—Application of Technology in the Classroom (INST 3313)

Post-Baccalaureate Teacher Certification Testing Options

Per the Texas Education Agency (TEA), all individuals are required to pass the appropriate teacher certification exams prior to entering a classroom as a teacher. The University of Houston-Clear Lake (UHCL) provides two testing options for post-degree teacher certification students.

Option 1: Take content state assessments as Pre-Admission Content Tests (PACT) before admission to the Teacher Education Program (TEP).

- Individuals can attempt a PACT up to five times prior to admission to the TEP.
- All required PACTs must be passed prior to or during first semester at UHCL.
- Students are not permitted to fulfill any test preparation requirements prior to taking content state assessments.
- Students are not permitted to participate in any UHCL-sponsored test preparation workshops prior to being admitted to the TEP.
- During the first semester, students must enroll in EDUC 4310, INST 3313 and SILC 4315 and apply to the TEP after passing all required content state assessments as PACTs. (The Texas Education Agency (TEA) does not allow post-degree teacher certification students to take additional course prior to being admitted to the TEP.)
- After admission to the TEP, students can continue to take required coursework.
- For students seeking a 4-8 or 7-12 certification, all content area coursework will be waived. (No coursework will be waived for students seeking an EC-6 certification.)
- Students must meet all current UHCL College of Education (COE) state assessment requirements prior to attempting the Pedagogy and Professional Responsibility state assessment.

Option 2: Take all state assessments after admission to the TEP.

- During the first semester, students must enroll in EDUC 4310, INST 3313 and SILC 4315 and apply to the TEP. (The TEA does not allow post-degree teacher certification students to take additional course prior to being admitted to the TEP.)
- After admission to the TEP, students can continue to take required coursework.
- Students must meet all current UHCL CoE state assessment requirements prior to attempting any state assessment.
- No content coursework will be waived. Students must complete all required coursework.

Required state assessments – Texas Examinations of Educator Standards (TExES)

- Mathematics 7-12 TExES #235
- Pedagogy and Professional Responsibilities EC-12 TExES #160

Post-Baccalaureate Teacher Certification Internship Options

Option 1 – Pre-service Internship/Student Teaching

- Follow Post Baccalaureate Teacher Certification Plan for course requirements.
- One-year internship (TCED 4378/TCED 4978) taken the last two semesters.
- Fall or spring semester start date
- Must meet internship application deadlines: **March 1** for fall internship and **October 1** for spring internship.
- All courses that include field experience must be completed prior to the start of TCED 4978.
- No more than 6 hours coursework without field experience may be taken with TCED 4978.
- Supervision by UHCL University Facilitator, UHCL-Trained Professional Development Site Supervisor and public school mentor.
- Highly mentored and supported program by 15 member school districts and UHCL faculty.
- Non-paid internship experience.

Option 2 – Alternative Certification Program Internship (ACP)

- Follow Post Baccalaureate Teacher Certification Plan for course requirements.
- \$60 application fee (non-refundable)
- Must pass all required state assessments, be admitted to TEP, and have 30 clock hours of field experience before admission to ACP.
- Must have an overall GPA of a 2.500 in college coursework, or a 2.500 in most recent 60 hours.
- Must meet posted ACP program and application deadlines.
- One- to three-year, supervised, paid internship. Candidate must secure full-time teaching position with a UHCL member district as a Teacher of Record in the area and at the level of certification being sought.
- Register for ACP Internship course each fall and spring semester.
- All certification coursework must be completed within three years.
- Supervision by University Supervisor and UHCL trained public school mentor
- Full-time pay, minus undergraduate tuition and fees and \$3000 program fee (\$900 for 3rd semester and beyond, if necessary)
- Refer to the College of Education's ACP website for additional information: www.uhcl.edu/education.