UTeach Columbus Advising Notes

UTeach Columbus is an innovative program involving mathematics, science, and computer science education faculty at Columbus State University and teaching experts in local schools. Together these faculty and teaching practitioners prepare students for a career in mathematics, science, or computer science. This program allows students to acquire a deep understanding of their field of study; explore mathematics, science, or computer science teaching as a career; and develop the knowledge, skills, and dispositions needed for teaching. Upon completion of the program, students earn a degree in biology, chemistry, earth and space science, or mathematics with certification to teach in grades 6-12, or computer science with certification to teach in grades P-12 after passing the appropriate state certification examinations. To enroll in the UTeach Columbus program, students should declare a major in one of the following:

- BA Biology – Secondary Education Track
- BS Biology – Secondary Education Track
- BA Chemistry – Secondary Education Track
- BS Computer Science – Education Track
- BS Earth and Space Sciences – Secondary Education Track
- BS Mathematics – Secondary Education Track

Students in other Biology, Chemistry, Earth and Space Science, Mathematics, or Computer Science degrees or tracks not listed above may also enroll in the UTeach Columbus program, but additional hours (*i.e., more than 123 total*) will be required to complete the degree. There is also an option of completing a **UTeach minor**. The minor includes all UTeach coursework except ITDS 2125 Historical Perspectives on the Philosophy of Science & Math (*which may be taken for Area C*), UTCH 3115 Functions & Modeling (*for math majors only*), and the 12 hours of coursework taken during the student teaching semester (UTCH 4485, UTCH 4795, and SPED 4115).

UTeach Columbus Courses

Course	Course description	Field Experiences	Semesters Offered
UTCH 1201 Step 1: Inquiry Approaches to Teaching (1-11)	An introduction to the theory and practice that is necessary to design and deliver excellent instruction in grades 3-12. Students will have an opportunity to explore teaching in science, mathematics, or computer science as a career. Course includes field experiences in elementary classrooms.	Elementary School 2 classroom observations; 3 teaching events Because of the significant amount of time required to plan teaching lessons, this class is more like a lab or 2 hour class. Students must be available for a two hour block during elementary school hours at least 1 day per week. Criminal background check will be required prior to school visits.	Fall & Spring

UTCH 1202 Step 2: Inquiry-Based Lesson Design (1-1-1)	*Prerequisite:* UTCH 1201 with a C or better. This course builds on the knowledge and skills developed in UTCH 1201 with an emphasis on the middle school environment and curricula. Students continue to explore teaching in science, mathematics, or computer science as a career. Course includes field experience in a middle school classroom.	Middle School 1 classroom observation; 3 teaching events Because of the significant amount of time required to plan teaching lessons, this class is more like a lab or 2 hour class. Students must be available for a two hour block during middle school hours at least 1 day per week.	Fall & Spring

Course	Course description	Field Experiences	Semesters Offered
UTCH 2105 Knowing and Learning (3-03)	*Prerequisites:* UTCH 1202 with a grade of C or better or departmental approval. Critical examination of issues related to learning and knowing science, mathematics, and computer science. Development of a powerful tool kit of approaches to knowing and learning in mathematics, science, and computer science.		Fall & Spring
UTCH 2203 Step III: Technological and Pedagogical Content Knowledge (2-2-3) *Note: May be taken in lieu of ITDS 2125*	*Prerequisite*: UTCH 1202 with a C or better. Exploration of the development of content within and across grade levels in national and state standards and best practices for teaching major conceptual domains in computer science, mathematics, and science. Students will have opportunities to explore content pedagogies across STEM disciplines as well as dig deeper into their specific content area pedagogy. Both general technology tools for teaching as well as current content specific technologies will be examined and students will visit P-12 classrooms of exemplary teachers to observe effective teaching.	30 hours observing in a variety of exemplary math, science, or computer science classrooms	Fall
ITDS 2125 Historical Perspectives on the Philosophy of Science & Math (3-0-3)	Overview of the history and philosophical underpinnings of science and mathematics. Connections of broader history and context to science and mathematics learning.		Fall

UTCH 2215 Research Methods (3-0-3)	*Prerequisites:* UTCH 1202 with a grade of C or better. Students design and carry out four independent inquiries, which they write up and present in the manner that is common in the scientific community. Inquiries incorporate mathematics, computer science, and the various science disciplines.		Spring
UTCH 3115 Functions and Modeling (3-0-3) (For math majors only)	*Prerequisites:* MATH 2115 with a C or better and MATH 1131 with a C or better. Explorations designed to strengthen and expand students' knowledge of topics found in secondary mathematics. Topics of investigation may include function properties and patterns, complex numbers, parametric equations, polar equations, vectors, and exponential growth and decay. Emphasis on mathematics content knowledge and content connections, as well as applications of the mathematics topics covered.		Spring
UTCH 3205 Classroom Interactions (3-1-3)	*Prerequisites:* UTCH 2105 with a grade of C or better and Admission to Teacher Education. Application of learning theories in instructional settings. Teacher candidates will design and implement instructional activities informed by their own understanding of what it means to know and learn mathematics, science, and computer science and then evaluate the outcomes of those activities on the basis of student artifacts. Candidates will develop awareness and understanding of equity issues and their effects on learning. Includes field experience in middle or high school classrooms.	High School/Middle School 3 classroom observations; 3 teaching events Students must be available for a two hour block during middle/high school hours at least 1 day per week and must be able to teach one period for two consecutive days during the latter part of the semester.	Fall & Spring
Course	**Course description**	**Field Experiences**	**Semesters Offered**
UTCH 4205 Project-Based Instruction (3-1-3) *Should be taken the semester prior to student teaching*	*Prerequisites:* UTCH 3205 with a grade of C or better and Admission to Teacher Education. Exploration of project-based instruction and development of an approach to designing, implementing and evaluating problem- and project-based curricula and processes in middle and secondary math, science, and computer science classrooms. Includes field experience in middle or high school classrooms and learning centers such as	High School/Middle School 2 classroom observations; 3 teaching events Students must be available for a two hour block during middle/high school hours at least 1 day per week and must be able to teach one period for three consecutive days following midterm of the semester.	Fall & Spring

	Oxbow Meadows or Coca Cola Space Science Center.		
UTCH 4485 Student Teaching (0-40-9)	*Prerequisite:* Admission to Teacher Education and Student Teaching. *Corequisites: UTCH 4795 and SPED 4115.* This course is part of the UTeach Columbus program. Observation, participation, and instruction in a middle or high school classroom in the student's major field. Cooperative supervision by selected classroom teachers and college faculty. (S/U grading) (Course fee required.)	High School/Middle School One semester, full-time student teaching experience	Fall & Spring
UTCH 4795 Student Teaching Seminar (1-0-1)	*Prerequisite*: Admission to Teacher Education and Student Teaching. *Corequisite:* UTCH 4485. Discussion of common problems encountered in student teaching conducted in a seminar setting. (S/U grading)		Fall & Spring
SPED 4115 Teaching Math & Science to Exceptional Learners (2-0-2)	*Prerequisites: Admission to Teacher Education and Student Teaching. Corequisites: UTCH 4485. I*nformation and techniques for designing appropriate instructional strategies for learners with disabilities, gifts, and talents.		Fall & Spring

A limited number of $1000-1500 scholarships and internships are available, as funding allows, for UTeach Columbus students. For more information, go to the UTeach Columbus website at http://uteach.columbusstate.edu/scholarships.php.

Noyce scholarships starting at $15,000 per year are available for selected junior, senior, and post-baccalaureate students with STEM degrees, to complete secondary teaching certification programs. Scholarship recipients agree to participate in program events and teach in high-need school districts after they graduate. For more information on the Noyce scholarship, go to http://uteach.columbusstate.edu/stem/noyce_scholarship.php.

Sample UTeach Columbus Course Sequence

Note: Students planning to take more than one UTeach course per semester should discuss this with their advisor.

Freshman pathway

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8*
UTCH 1201 Step 1: Inquiry Approaches to Teaching	UTCH 1202 Step 2: Inquiry-Based Lesson Design **Take GACE Program Admission Tests (if not exempt)** **Complete Georgia Educator Ethics**	UTCH 2105 Knowing and Learning **Apply for FBI Background Check at beginning of semester** **Apply for admission to Teacher Education upon completion of UTCH 2105 Knowing & Learning**	UTCH 3115 Functions and Modeling (for math majors only)	UTCH 3205 Classroom Interactions ITDS 2125 Historical Perspectives on Science & Math OR UTCH 2203 Technological & Pedagogical Content Knowledge	UTCH 2115 Research Methods	UTCH 4205 Project Based Instruction **Apply for student teaching by September 15 if applying to student teach in spring semester and January 15 if applying to student teach in fall semester.** **Apply for graduation**	UTCH 4485 Student Teaching UTCH 4795 Student Teaching Seminar SPED 4115 Teaching Math & Science to Exceptional Learners **Take GACE content tests** **At end of student teaching, submit certification paperwork**

Sophomore pathway	Step 1	Step 2 UTCH 3115 Functions and Modeling (for math majors only) **Take GACE Program Admission Tests (if not exempt)** **Complete Georgia Educator Ethics**	UTCH 2105 Knowing and Learning ITDS 2125 Historical Perspectives on Science & Math OR UTCH 2203 Technological & Pedagogical Content Knowledge **Apply for FBI Background Check at beginning of semester** **Apply for admission to Teacher Education upon completion of UTCH 2105 Knowing & Learning**	UTCH 3205 Classroom Interactions UTCH 2115 Research Methods	UTCH 4205 Project-Based Instruction **Apply for student teaching by September 15 if applying to student teach in spring semester and January 15 if applying to student teach in fall semester.** **Apply for graduation**	UTCH 4485 Student Teaching UTCH 4795 Student Teaching Seminar SPED 4115 Teaching Math & Science to Exceptional Learners **Take GACE content tests** **At end of student teaching, submit certification paperwork**

Junior Pathway

Semester 5	Semester 6	Semester 7	Semester 8*
UTCH 1201 Step 1 UTCH 1202 Step 2 ITDS 2125 Historical Perspectives on Science & Math ' OR UTCH 2203 Technological & Pedagogical Content Knowledge **Take GACE Program Admission Tests (if not exempt)**	UTCH 2105 Knowing and Learning UTCH 3205 Classroom Interactions UTCH 3115 Functions and Modeling (for math majors only) **Apply for FBI Background Check** **Apply for admission to Teacher Education upon completion of UTCH 2105 Knowing and Learning**	UTCH 4205 Project-Based Instruction UTCH 2115 Research Methods **Apply for student teaching by September 15 if applying to student teach in spring semester and January 15 if applying to student teach in fall semester.** **Apply for graduation**	UTCH 4485 Student Teaching UTCH 4795 Student Teaching Seminar SPED 4115 Teaching Math & Science to Exceptional Learners **Take GACE content tests** **At end of student teaching, submit certification paperwork**

Post-baccalaureate pathway

Semester 1 *(starting in fall)*	**Semester 2**	**Semester 3**
UTCH 1201 Step 1 UTCH 1202 Step 2 UTCH 2105 Knowing and Learning ITDS 2125 Historical Perspectives on Science & Math OR UTCH 2203 Technological & Pedagogical Content Knowledge **Take GACE Program Admission Tests (if not exempt)** **Apply for FBI Background Check** **Apply for admission to Teacher Education upon completion of UTCH 2105 Knowing and Learning**	UTCH 3205 Classroom Interactions UTCH 4205 Project-Based Instruction UTCH 2115 Research Methods UTCH 3115 Functions and Modeling (for math majors only) **Apply for student teaching by September 15 if applying to student teach in spring semester and January 15 if applying to student teach in fall semester.**	UTCH 4485 Student Teaching UTCH 4795 Student Teaching Seminar SPED 4115 Teaching Math & Science to Exceptional Learners **Take GACE content tests** **At end of student teaching, submit certification paperwork**

Apply for admission to Teacher Education upon completion of UTCH 2105 Knowing and Learning. Go to https://cqtl.columbusstate.edu/teacher-education.php for a list of admission requirements and instructions for applying in Tk20.

Effective July 1, 2015, all teacher education candidates in the state of Georgia are required to have a Pre-Service Certificate before entering a school for any type of field experience (except UTCH 1201 and UTCH 1202). If you are planning to apply to the Teacher Education Program, the application and supporting materials (GACE Program Admission Report, Ethics Certificate, Background Check, and TK20 receipt) are due to CQTL eight (8) weeks before the first day of the semester. For example, admission into Teacher Education for the spring semester requires applications to be submitted in the fall.

Completed application documents must be submitted in Tk20.

Apply for admission to Student Teaching by September 15 if applying to student teach in spring semester or by January 15 if applying to student teach in fall semester (see attached admission requirements).

Students should meet with their assigned academic advisor to discuss core curriculum and content course requirements.

*No other courses may be taken with student teaching unless an exception is approved by the UTeach Columbus Co-Directors.

Requirements for Admission to Teacher Education

- Completion of EDUC 2130 or UTCH 1202 with a grade of C or better *and*
- Completion of 45 earned semester hours in the core with an overall GPA of 2.50 or better on all transcripts **and** a CSU GPA of 2.50 or better.
- Maintain a CSU and overall GPA of 2.50 or better.
- Satisfactory performance on the GACE Program Admission examination or an exemption based upon satisfactory scores on the SAT, ACT or GRE tests.
    - Exemption Scores
      SAT: Score reports dated prior to 7/1/19:
      • 1000 on Verbal/Critical Reading, and Math, OR
      • 1000 on Evidence based Reading/Writing and Math

      • For Score Reports dated on or after 7/1/19:
      • 1080 on Evidence based Reading/Writing AND Math

      ACT – 43 (combination of English and Math scores)
      GRE – 1030 (combination of Verbal and Quantitative scores) on tests taken before August 1, 2011 or combined score of 297 (Verbal and Quantitative) on tests taken after August 1, 2011.

- Satisfactory completion of the Dispositions, Attributes, and Proficiencies (DAP) interview
- Completed FBI background check with fingerprints to ensure no criminal record or discharge from the armed services that would prevent recommendation for teacher certification.
- Download and complete a copy of the Requirements for the Reporting of Offenses (Word).
- Purchase a subscription to TK20. Attach a receipt or print screen with current TK20 account information to your application. https://columbusstate.tk20.com/
- ****New requirement change****Complete and pass the Program Exit level (360) of the Georgia Professional Standards Commission's Georgia Educator Ethics Assessment
- Complete Pre-Service Certificate Application (PDF)
- Never been removed or denied admission to teacher education or student teaching from another institution.
- Failure to disclose information and/or submission of false information will result in immediate dismissal from the College of Education and Health Professions Teacher Education Program.

***Undergraduate Petition for Appeal**

Students must submit to the Office of COEHP CQTL a completed appeals packet ***by the last business day of the month*** in order to be considered at the next meeting. Meetings are held the first Thursday of each month. ***Only complete packets will be considered***. If your packet is incomplete at the time of the Undergraduate Council meeting, it will be reviewed at the next scheduled meeting once all information has been provided. See forms at left for packet.

Student Teaching

https://cqtl.columbusstate.edu/student-teaching.php

Students will spend 16 weeks in full-time teaching activities under the supervision of a classroom teacher in elementary, middle and/or secondary schools. Guidelines for submitting applications to student teach are as follows:

- Students are recommended to meet with their academic advisors before submitting their application in Tk20.
- Deadlines for submitting student teaching applications are September 15 for students applying to student teach spring semester and January 15 for students applying to student teach fall semester. Applications will be available via Tk20 two months prior to each deadline date.
- Students must be members in good standing in the Teacher Education Program prior to submitting the student teaching application.
- Students must have a minimum score of three on each component of the Model of Appropriate Practice (MAP) Evaluation and Rubric for the Evaluation of Dispositions.
- Students must complete all courses related to major with a grade of "C" or better unless otherwise approved by the program coordinator. Students need to contact their program coordinator for specific information regarding the approval process.
- Students may not hold outside employment during the semester of student teaching without permission from the Coordinator of Student Teaching.
- Students must hold current CPR/First Aid certificates and liability insurance before being allowed to register for student teaching course(s). Documentation must be uploaded into Tk20.
- Students who apply for student teaching must not have previously withdrawn from, been denied admission to, and/or been removed from student teaching at CSU or another institution unless otherwise approved by the Coordinator of Student Teaching.
- After the submission of the application, the academic advisor/program coordinator will review and recommend application to the Coordinator of Student Teaching for final approval.

All questions regarding Student Teaching should be e-mailed to Berderia Fuller, Coordinator of Student Teaching, at fuller_berderia@columbusstate.edu or call 706-565-1432.