

Approval Chart for Curriculum Changes

A = Approval I = Information*

Course Number _____ or Degree Plan(s) MATT

State the requested change and reason. A memo may be attached if more space is necessary.

Beginning Sept 1, 2013, the certification for high school mathematics teachers in Texas will be changing from grades 8-12 to grades 7-12. The changes that are proposed will prepare our teacher candidates for the new certification exam and for teaching mathematics in grade 7. In addition, changes are proposed to align our offerings recommendations made by the Conference Board of the Mathematical Sciences in their upcoming report "The Mathematical Education of Teachers II". Finally, as proposed for other ACU teacher education degrees, we have added EDUC 476, Effective Teaching Strategies for English Language Learners, in response to recent State of Texas legislation concerning the preparation of teachers to effectively meet the needs of English language learners.

Attachments

Marked up MATT degree plan

Notes for proposed changes

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

		COUNCIL**								
	Change to a Course	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	Title (description unchanged)	A	A	A		I		I	--	I
2.	Description (not affecting content)	A	A	A		I		I	--	I
3.	Content (substantive change)	A	A	A		I		A	--	A
4.	Number of hours (lecture, lab, contact)	A	A	A		A		A	--	A
5.	Course number within the hundred	A	A	I		I		I	--	I
6.	Course number beyond the hundred	A	A	A		A		A	--	A
7.	Prerequisites	A	A	A		I		I	--	I
8.	Course fee(s)	A	--	A		--		A	--	I
9.	From U to G or G to U	A	A	A		A		A	--	A
10.	Cross list with another dept: U or G level	A	A	A		A		A	--	A
11.	Department of record	A	A	A		A		A	--	A
12.	Open or close a course	A	A	A		A		A	--	A
13.	New course — See Adams Center for packet. This change includes combining or splitting a course(s).	A	A	A		A		A	--	A

* Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

** In most cases, approval by only one council is necessary.

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

Approval Chart for Curriculum Changes

A = Approval

I = Information

		Dept./School	College Academic	Deans	COUNCIL			Provost	Faculty	President	Board of Trustees
					UGEC	UUAC	GRAD				
1.	University Requirements — Require or change a specific course from a menu within a degree plan	A	A	I		I		I	--	I	--
2.	University Requirements — Substitute an existing course for a university requirement within a degree plan	A	A	A		A		A	--	A	--
3.	University Requirements — Add a course to or drop a course from the University Requirements	A	A	A		A		A	A	A	--
4.	University Requirements — Change in approved course content	A	A	A		A		A	--	A	--
5.	Major — Revision of major ♦ ‡	A	A	A		A		A	--	A	
6.	Major — Adopt or change admission requirements	A	A	A		A		A	--	A	--
7.	Major — Add or discontinue	A	A	A		A		A	A	A	I
8.	GPA — Revise major or cumulative requirement	A	A	A		A		A	A	A	--
9.	Minor — Revise course selection	A	A	A		I		I	--	I	--
	Minor — Add or discontinue	A	A	A		A		A	--	A	--
10.	Degree — Add or discontinue	A	A	A		A		A	A	A	I
11.	Any change to a graduate degree program*	A	A	A		A		A	--	A	--

♦ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

‡ Program or course changes applying only to a Teacher Education degree will be reviewed by the Teacher Education Council and then forwarded to the UUAC.

* All graduate degree plan changes must go through the Graduate Council.

Revised 11-2-11

Approval Chart for Academic Information Changes

		Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President	Board of Trustees
1.	General requirements for graduation including course requirements that are common to all majors for all degrees*	--	--	--		A		A	A	A	--
2.	Admission requirements	--	--	--		A		A	A	A	--
3.	Policies governing academic probation and suspension	--	--	--		A		A	A	A	--
4.	Requirements for graduating with honors	--	--	--		A		A	A	A	--
5.	Other academic policy changes	--	--	--		A		A	--	A	

* The UUAC approved the clarification that "general requirements for graduation" means the seventeen items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 3-2-11

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	<u>10-30-12</u> Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
_____ Signature	_____ Approval date
_____ Signature	_____ Approval date

Dean(s)	
_____ Signature	_____ Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date

MATHEMATICS FOR HIGH SCHOOL TEACHER CERTIFICATION (BS)

BS: MATHEMATICS (ONE-FIELD TEACHER CERTIFICATION) DEGREE PLAN (MATT)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog.	
MAJOR REQUIREMENTS	
Mathematics	
MATH 185 Calculus I	(3) ¹
MATH 186 Calculus II	3
MATH 187 Calculus Computer Lab	1
MATH 227 Discrete Mathematics	3
MATH 286 Calculus III	3
MATH 309 Algebraic Concepts for Teachers I	3
MATH 311 Geometric Concepts for Teachers I	3
MATH 325 Linear Algebra	3
MATH 351 Abstract Algebra I <i>or</i> MATH 381 Analysis I	3
MATH 377 Statistical Methods I	3
MATH 397 Mathematics Seminar	2
MATH 410 Algebraic Concepts for Teachers II	3
MATH 412 Geometric Concepts for Teachers II	3
MATH 497 Mathematics Capstone (writing-intensive course)	2
TOTAL	35
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
OTHER REQUIREMENTS	
Computer Science	
CS 115 Introduction to Programming using Scripting <i>or</i> CS 120 Programming I	3
Science	
CHEM 133/131, PHYS 110/111, <i>or</i> PHYS 120/121	(3) ^{1/1}
Teacher Education Requirements	
EDUC 211 Educational Foundations and Multicultural Perspectives	(3)
EDUC 221 Educational Psychology	(3) ¹
EDUC 412 Secondary Curriculum and Media	3
EDUC 432 Secondary Management and Methods	3
EDUC 490 Student Teaching	6
READ 322 Reading in Secondary Content Areas	3
SPED 371 Teaching Students with Special Needs (writing-intensive course)	3
Must make application and be approved to take EDUC 490.	
GPA of 2.75 required to remain in Teacher Education Program	
TOTAL	25
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	

Add MATH 247 - Number Concepts 3 hrs

delete MATH 381 from this menu

Add MATH 334-Linear Programming *or*
MATH 361-Ordinary Differential Equations 3 hrsAdd MATH 381-Analysis I *or*
MATH 477-Statistical Methods II 3 hrsAdd MATH 4xx-Professional Development Experiences
in Mathematics (lab)
to be developed 1 hrAdd MATH 2xx-Numerical Problems in Mathematics
(lab) to be developed 1 hr

Change to 46 hrs

Delete Computer Science requirement

(3) ← Change to hours fulfilling university requirements
(Cultural awareness menu)Add EDUC 476-Effective Teaching Strategies for
English Language Learners (2)/1 hrs
2 hours will fulfill university requirements
(General Education Selection)

Change to 20 hrs

ELECTIVES	
Minimum	12
TOTAL MAJOR HOURS	72
CRITERIA FOR ADMISSION TO TEACHER EDUCATION	
In accordance with Texas state law, the ACU Teacher Education Program has established the following criteria for admission to Teacher Education. Before taking more than 6 hours EDUC a student must first be admitted to the Teacher Education Program. To be admitted to the Teacher Education Program, a student must: 1. Complete and submit an application for admission into the Teacher Education Program; 2. Have completed the first 45 semester hours of credit; 3. Successfully complete with a C or better 12 hours in the candidate's chosen content field; 4. Have a minimum Grade Point Average (GPA) of 2.75 (2.75 or higher in the content field); 5. Complete 6 hours of University Requirements English with no grade lower than a "C" (In order to maintain admission status the candidate must earn a C or better in all university required English courses.); 6. Pass all three sections of the Texas Higher Education Assessment (THEA) test, with a score on the reading section of 260 or higher, a score on the math section of 230 or higher and a score on the writing section of 240 or higher; Students may retake the THEA once if the required level is not earned in the first administration. Acceptance of scores from a third administration of the THEA are subject to review by the Teacher Education Admissions Committee; 7. Successfully complete (C or better) EDUC 211 - Educational Foundations and Multicultural Perspectives; 8. Successfully complete first submission of the Teacher Education E-portfolio as described in the ACU Teacher Education Student Handbook; 9. A declared major that includes certification; 10. Receive approval from the Teacher Education Admissions and Review Committee. An interview with the committee may be required. English Language Proficiency Requirement for International Students: International students with primary languages other than English must demonstrate English language proficiency by the following: Obtain an official TOEFL score of at least 600 (computer-based score of 250, iBT of 100). Any exemptions or modification to the above requirements due to special circumstances must be requested through the chair of the Department of Teacher Education. All requests will be reviewed and must be approved by the Teacher Education Admissions and Review Committee. In addition, admission to teacher education is not the final step in the process. In order to remain in the program the prospective teacher must continue to meet the GPA requirement (2.75). Approval to take Education Block classes (411/412 and 431/432) and to enroll in student teaching must be obtained from the Teacher Education Admissions and Review Committee before enrolling in those classes. Additional requirements for maintaining program admission status 1. In order to remain in the Teacher Education Program, an overall GPA of 2.75, 2.75 in the content field, and continued approval of the Teacher Education Admissions Committee must be maintained. 2. A grade of C or better is required for all majors courses. 3. Junior and senior transfer students must take the THEA and be admitted to the Teacher Education Program during their first semester at Abilene Christian University to continue in professional education course work. Arrangements to take the THEA should be made as quickly as possible by contacting the Office of Career and Academic Development. Note: A candidate who does not have an overall GPA of 2.75 or higher may be conditionally admitted to the program if all other admissions criteria are met.	

Change to 6 hrs

and if all of the following are true:	
1. An overall GPA of 2.75 or higher in the last 60 hours 2. A GPA of 2.75 in the teaching content field 3. No university disciplinary actions filed – academic or otherwise 4. A formal letter of request submitted to the admissions committee describing the candidate's academic history and articulating motivations for wanting to enter the teaching profession 5. An interview with the Teacher Education Admissions Committee	
OTHER GRADUATION REQUIREMENTS	
Minimum GPA in major requirements	2.75
Minimum GPA for graduation	2.75
Minimum advanced hours	33
Minimum total hours	128
Courses numbered 0** do not count in minimum hours required for degree.	

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Notes for proposed changes to MATT major.

1. Addition of MATH 247 – Number Concepts (3 hours)

This course is currently titled Number Concepts of Middle School Mathematics, and is required for the MATM degree (certification for middle school mathematics teachers). It is being added to this degree to accommodate the upcoming change from certification for grades 8-12 to grades 7-12. It will be slightly restructured to address knowledge needed to teach number concept in middle school, in particular grade 7. Also will address domain of Mathematical Processes and Perspectives tested on TExES mathematics content certification exam. It is anticipated that this will change a small fraction of the current content.

2. Delete MATH 381 from menu

MATH 381, Analysis I, is currently listed in a menu with MATH 351, Abstract Algebra. In this proposal, this menu is deleted and MATH 381 is added to a menu with MATH 477, Statistical Methods II (see below).

3. Add menu: MATH 334, Linear Programming *or* MATH 361, Ordinary Differential Equations (3 hours).

The report “The Mathematical Education of Teachers II” (METII) recommends that future mathematics teachers take a course that all mathematics majors might take incorporating geometry or mathematical modeling. These two courses, respectively, would provide those topics.

4. Add menu: MATH 381, Analysis I *or* MATH 477, Statistical Methods II (3 hours).

The METII recommends an Advanced Calculus course and a second course in statistics. These courses would be necessary for the high school teacher that would be teaching AP Calculus or AP Statistics. We decided to give a choice for one of these courses.

5. Add MATH 4xx-Professional Development Experiences in Mathematics (lab) (1 hour)

The METII states “teachers need experiences that renew and strengthen their interest in and love for mathematics.” This can take place in various professional development settings. This lab is intended to introduce future teachers to current professional development models, including Lesson Study. To be developed.

6. Add MATH 2xx – Numerical Problems in Mathematics (lab) (1 hour)

This lab will introduce students to algorithmic thinking using tools such as a programmable calculator, Excel, Maple, and other programming tools. This will replace the current CS 115, Introduction to Programming using Scripting *or* CS 120, Programming I menu requirement. To be developed.

7. Total hours for major requirements changed from 35 to 46.

8. Delete Computer Science requirement.

This is being replaced by the MATH 2xx – Numerical Problems in Mathematics lab that will be developed.

9. Change EDUC 211 hours to fulfilling the Foreign language or Cultural Awareness requirement in the University requirements

10. Add EDUC 476 – Effective Teaching Strategies for English Language Learners [(2)/1 hours]

This course is being added to all teacher education degrees to meet new state requirements. Two hours of this course will fulfill the General Education electives requirement in the University Requirements, and 1 hour is in the Other Requirements for the major.

11. Change total hours for Other Requirements from 25 to 20 hours.

12. Change Elective Hours from 12 to 6.