

**UNDERGRADUATE COUNCIL
Request for Change(s)**

Originating unit requesting change

Type of Change requested:

- | | | | | | |
|--------------------------|--------------------|--------------------------|------------------------|--------------------------|----------------------|
| <input type="checkbox"/> | Course number(s) | <input type="checkbox"/> | Course prerequisite(s) | <input type="checkbox"/> | Program description |
| <input type="checkbox"/> | Course title | <input type="checkbox"/> | Drop course(s) | <input type="checkbox"/> | Program requirements |
| <input type="checkbox"/> | Course description | <input type="checkbox"/> | Drop program(s) | | |

Semester and year change(s) take effect:

Appropriate computer abbreviation if
course title is more than 30 spaces:

Briefly summarize the change requested:

Programs Only

Program Name: _____

Current Code: _____ Proposed New Code (list 2): _____ or _____
(ex: INDE-BFA)

Can have second major: ____ Yes ____ No

Current 6-digit CIP Code: _____

Does the change require a new or change in CIP code? ____ Yes ____ No

If yes, what is the proposed 6-digit CIP code? _____

*for reference, please visit: <https://nces.ed.gov/ipeds/cipcode/resources.aspx?v=56>

Catalog copy

Present catalog copy (paste-up from catalog is acceptable).

Proposed change(s). (Include exact catalog copy as desired. Underline changes)

1. What is the justification for the change(s) requested?
2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.
3. **Faculty Resources:** How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.

4. **Educational Resources:** Will this change require additional resources not currently available (e.g. space, equipment, library, other)? YES
If yes, list additional resources needed. NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.

Approval signature of chairperson of originating unit

CURRENT MARKUP

Middle School Education, BS-Mathematics, Science or Social Studies

Middle school education (grades 4 - 8) is designed for students who want to teach in a specific content area (mathematics, science, or social studies) in elementary and middle school settings.

Total Semester Hours Required for Degree: 124

TCU Core Curriculum: 39 hours

Prior to Entry into College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3

Junior Year: 17-20 hours

EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDMS 41151	Field Experience in Education	1
EDUC 40123	Social Entrepreneurship in Education	3
	Content Methods Courses	3-6

Content Methods Courses refer to content area course requirements

Senior Year/Semester 1: 8 hours

EDUC 30001	Professional Practice Seminar	1
EDUC 50063	Seminar in Teaching Gifted and Talented Children	3
	OR	
EDSP 55663	Motivating and Managing Students in the Classroom	3
EDMS 41151	Field Experience in Education	1
EDMS 51103	Assessment	3
	OR	
EDUC 55313	Educational Assessment	3

Senior Year/Semester 2: 6 hours

EDMS 40986	Student Teaching in the Middle School	6
	OR	
EDUC 55980	Advanced Clinical Teaching	1-6

Content Area Course Requirements

Mathematics (38-40 Hours)

EDMS 50443	Methods for Teaching Middle School Mathematics I	3
EDMS 50453	Methods for Teaching Middle School Mathematics II	3
EDUC 20023	Mathematics for Teachers of Early Childhood through Eighth Grade	3
MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 10043	Elementary Statistics	3
MATH 20123	Discrete Mathematics I	3
MATH 40403	Higher Geometry	3
MATH 50073	History of Mathematics	3
MATH 10033	Topics in Mathematics	3
	OR	
MATH 30803	Probability	3
	OR	
MATH 30123	Discrete Mathematics II	3
	OR	
MATH 30224	Linear Algebra	4
	OR	
MATH	Upper level 30000 and above math	
PHYS 10154	General Physics I with Laboratory	4
	OR	
PHYS 20053	Physics of Music and Sound	3

Science (46 Hours)

BIOL 10003	Contemporary Issues in Biology	3
BIOL 10501	Introductory Biology Lab I	1
BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10511	Introductory Biology Lab II	1
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 30613	Natural History	3
CHEM 10113	General Chemistry I	3
EDMS 50553	Methods for Teaching Middle School Science	3
ENSC 10143	Contemporary Environmental Issues	3
GEOL 10113	Understanding the Earth	3

GEOL 30113	Weather and Climate	3
MATH 10054	Precalculus with Trigonometry	4
	OR	
MATH 10524	Calculus I	4
PHYS 10154	General Physics I with Laboratory	4
PHYS 10273	Introductory Astronomy: Earth and Planets	3
PHYS 10283	Introductory Astronomy: Stars and Galaxies	3
PHYS 20053	Physics of Music and Sound	3
Social Studies (42 Hours)		
HIST 10203	Origins of Western Civilization: Europe to 1348	3
HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10923	Latin American History: Colonial Period	3
	OR	
HIST 10933	Latin American History: National Period	3
	OR	
HIST 30993	History of Mexico	3
HIST 10953	East Asian Civilization Since 1700	3
	OR	
HIST 10813	Introduction to the Modern Middle East	3
HIST 40743	History of Texas	3
POSC 35XX3	Any course in Comparative Politics	
ECON 10223	Introductory Microeconomics	3
ECON 10233	Introductory Macroeconomics	3
ECON, HIST or POSC	Upper Division Elective	
GEOG 10003	World Regional Geography	3
GEOG 20013	Human Geography	3
	OR	
GEOG 30723	Cultural Geography	3

	OR	
GEOG 30713	Urban Geography	3
	OR	
GEOG 30513	Geography of the United States	3
SOC 20213	Introductory Sociology	3
SOC 30343	Sociology of Race and Racism	3
	OR	
EDUC 50003	Diversity in American Education	3
EDMS 40463	Methods for Teaching Middle School Social Studies	3

PROPOSED MARKUP

Middle School Education, BS-Mathematics, ~~Science~~ or Social Studies

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EDUC 30103	Developmental Psychology of Adolescence	3

Junior Year: 17-20 hours

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EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
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EDUC 40123	Social Entrepreneurship in Education	3
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MATH 20123	Discrete Mathematics I	3
MATH 40403	Higher Geometry	3
MATH 50073	History of Mathematics	3
MATH 10033	Topics in Mathematics	3
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MATH 30803	Probability	3
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BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
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BIOL 30613	Natural History	3
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CHEM 10113	General Chemistry I	3
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EDMS 50553	Methods for Teaching Middle School Science	3
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ENSC 10143	Contemporary Environmental Issues	3
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HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
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HIST 10923	Latin American History: Colonial Period	3
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HIST 10933	Latin American History: National Period	3
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OR

HIST 30993	History of Mexico	3
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HIST 10953	East Asian Civilization Since 1700	3
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ECON 10223	Introductory Microeconomics	3
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GEOG 20013	Human Geography	3
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GEOG 30723	Cultural Geography	3
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GEOG 30713	Urban Geography	3
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GEOG 30513	Geography of the United States	3
SOC 20213	Introductory Sociology	3
SOC 30343	Sociology of Race and Racism	3
	OR	
EDUC 50003	Diversity in American Education	3
EDMS 40463	Methods for Teaching Middle School Social Studies	3

Bachelor of Science in Education (B.S.E.): Science Education

The B.S.E. in Science Education prepares individuals who want to teach in middle and/or high school settings. Texas teacher certification pathways associated with this degree include: middle school science (grades 4 - 8), secondary life science (grades 7-12), secondary physical science (grades 6-12), secondary physics/math (grades 7-12), and secondary chemistry (grades 7-12).

Total Semester Hours Required for Degree: 120

TCU Core Curriculum: 39 hours

Prior to admission to the Teacher Education Program: 9 hours

<u>EDUC 20003</u>	<u>Critical Investigation: Teaching and Learning</u>	<u>3</u>
<u>EDUC 41113</u>	<u>Schools, Curriculum, and Society</u>	<u>3</u>
<u>EDUC 30103</u> <u>EDUC 30143</u>	<u>Developmental Psychology of Adolescence -or- Child and Adolescent Development</u>	<u>3</u>

In addition, students must complete at least 21 hours of content in the discipline(s) aligning with their Teacher Education Program content pathway. At least 15 of these content hours must be completed prior to admission to the Teacher Education Program.

Courses with prefixes of BIOL, CHEM, PHYS, and GEOL can be used to satisfy middle school science (grades 4 - 8) content requirements. Courses with prefixes of BIOL and CHEM can be used to satisfy secondary life science (grades 7-12) content requirements. Courses with prefixes of PHYS can be used to satisfy secondary physical science (grades 6-12) content requirements. Courses with prefixes of PHYS and MATH can be used to satisfy secondary physics/math (grades 7-12) content requirements. Courses with the prefix of CHEM can be used to satisfy secondary chemistry (grades 7-12) content requirements.

Post-admission to the Teacher Education Program: 24 hours

<u>EDUC 30113</u>	<u>Digital Literacy, Learning, and Citizenship in Education</u>	<u>3</u>
<u>EDUC 30123</u>	<u>Educational Psychology</u>	<u>3</u>
<u>EDUC 30603</u>	<u>Study of Exceptional Students</u>	<u>3</u>
<u>EDUC 40213</u>	<u>Promoting Literacy in the Content Areas</u>	<u>3</u>
<u>EDSE 50453</u> <u>EDMS 50453</u> <u>EDUC 50023</u>	<u>Secondary Science Methods -or- Middle School Science Methods -or- Effective Teaching & Classroom Implementation</u>	<u>3</u>
<u>EDSE 51103</u> <u>EDMS 51103</u>	<u>Assessment -or- Assessment</u>	<u>3</u>
<u>EDUC 30003</u>	<u>Professional Practice Seminar</u>	<u>3</u>
<u>EDUC 50663</u>	<u>EDUC 50663 Motivating & Managing</u>	<u>3</u>

Fieldwork and Clinical Teaching: 18 hours

<u>EDSE 41151</u> <u>EDMS 41151</u>	<u>Field Experience -or- Field Experience (taken Junior 1)</u>	<u>1</u>
<u>EDSE 41151</u> <u>EDMS 41151</u>	<u>Field Experience -or- Field Experience (taken Junior 2)</u>	<u>1</u>
<u>EDSE 41151</u> <u>EDMS 41151</u>	<u>Field Experience -or- Field Experience (taken Senior 1)</u>	<u>1</u>
<u>EDSE 40986</u> <u>EDMS 40986</u>	<u>Secondary Student Teaching* -or- Middle School Student Teaching* (last semester, Senior 2),</u>	<u>6</u>

Note: all other coursework should be completed prior to entering the student/clinical teaching semester