

Program Change Request

Date Submitted: 11/27/18 10:21 am

Viewing: **BS-INST-MTS : Interdisciplinary Studies, BS, Math/Science, Middle Grades Certification**

Last approved: 12/18/17 9:54 am

Last edit: 12/04/18 5:07 pm

Changes proposed by: jdesmith

In Workflow

1. **TLAC Department Head**
2. **Curricular Services Review**
3. **ED Committee Preparer UG**
4. **ED Committee Chair UG**
5. **ED College Dean UG**
6. **UCC Preparer**
7. **UCC Chair**
8. **Faculty Senate Preparer**
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

[Interdisciplinary Studies, BS, Math/Science, Middle Grades Certification](#)

Catalog Pages Using this Program

Contact(s)

Name	E-mail	Phone
Justin Smith	jdesmith@tamu.edu	(979) 862-2065

Academic level	Undergraduate
Effective Term	2019-2020
Department	Teaching, Learning & Culture
College	Education & Human Development
Program type	Degree w/Concentration
Degree designation	BS - Bachelor of Science
With a major in	Interdisciplinary Studies (INST)
Associated Program	Not Applicable
With a concentration in	Math/Science (MTS)

Catalog Program Title

Interdisciplinary Studies, BS, Math/Science, Middle Grades Certification

CIP and Fund code 30999901

Rationale for Proposal

Program hours **126**

Is this program eligible for financial aid?

Will program hours change (increase/decrease) due to the proposed curriculum changes?

Program delivery mode

On-campus

Approval Path

1. 11/14/18 12:39 pm
Michael DeMiranda (demiranda): Approved for TLAC Department Head
2. 11/15/18 4:51 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 11/27/18 10:40 am
Michael DeMiranda (demiranda): Approved for TLAC Department Head
4. 11/27/18 11:03 am
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 11/27/18 11:21 am
Kristy Anderson (kanderson): Approved for ED Committee Preparer UG
6. 11/27/18 11:24 am
Chris Cherry (chrisherry): Approved for ED Committee Chair UG
7. 11/27/18 11:25 am
Chris Cherry (chrisherry): Approved for ED College Dean UG
8. 11/27/18 11:35 am
Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 12/10/18 10:48 am
Terra Bissett (t.bissett):

Catalog Program Requirements

History

1. Dec 18, 2017 by Sandra Williams (sandra-williams)

Plan of Study Grid

First Year		Semester Credit Hours
Fall		
BIOL 111	Introductory Biology I	4
or BIOL 113	or Essentials in Biology	
<u>ENGL 103</u>	Introduction to Rhetoric and Composition	3
or <u>ENGL 104</u>	or Composition and Rhetoric	
<u>HIST 105</u>	History of the United States	3
or <u>HIST 106</u>	or History of the United States	
<u>TEFB 273</u>	Introduction to Culture, Community, Society and Schools	3
Select one of the following:		3
<u>MATH 140</u>	Mathematics for Business and Social Sciences	
<u>MATH 141</u>	Finite Mathematics	
<u>MATH 166</u>	Topics in Contemporary Mathematics II	
<u>Life and physical sciences</u>		4
	Semester Credit Hours	16
Spring		
ANTH 205	Peoples and Cultures of the World	3
BIOL 107	Zoology	4
ENGL 203	Writing about Literature	3
or ENGL 210	or Technical and Business Writing	
<u>HIST 226</u>	History of Texas	3
<u>MATH 131</u>	Mathematical Concepts—Calculus	3
or <u>MATH 142</u>	or Business Calculus	
<u>Communication</u>		3
<u>Creative arts</u>		3
<u>Life and physical sciences</u>		4
	Semester Credit Hours	16
Summer		
PHYS 205	Concepts of Physics	4
<u>POLS 206</u>	American National Government	3
<u>Life and physical sciences</u>		4
	Semester Credit Hours	7
Second Year		
Fall		
<u>INST 210</u>	Understanding Special Populations	3
<u>INST 222</u>	Foundations of Education in a Multicultural Society	3
<u>MASC 351</u>	Problem Solving in Mathematics	3
<u>MATH 365</u>	Structure of Mathematics I	3
POLS 207	State and Local Government	3
Elective		3
<u>Life and physical sciences</u>		4
GEOG 203	Planet Earth	-
& GEOG 213	and Planet Earth Lab	
GEOL 101	Principles of Geology	-
	Semester Credit Hours	16
Spring		
<u>MASC 371</u>	Inquiries in Life and Earth Sciences	3
<u>MATH 366</u>	Structure of Mathematics II	3
<u>RDNG 468</u>	Essential Foundations of Language and Literacy for All Learners	3
<u>STAT 303</u>	Statistical Methods	3
or <u>EPSY 435</u>	or Educational Statistics	
<u>Life and physical sciences</u>		4
CHEM 101	Course CHEM 101 Not Found	-
& CHEM 111	and Fundamentals of Chemistry Laboratory I	
CHEM 106	Molecular Science for Citizens	-
& CHEM 116	and Molecular Science for Citizens Laboratory	

INST 210	Understanding Special Populations	3
INST 222	Foundations of Education in a Multicultural Society	3
	Semester Credit Hours	16
Summer		
MATH 367	Basic Concepts of Geometry	3
POLS 207	State and Local Government	3
	Language, philosophy and culture	3
	Semester Credit Hours	6
Third Year		
Fall		
EDCI 365	Using Technology Classrooms	3
EDCI 353	Early Childhood through Adolescent Education	3
INST 362	English as a Second Language Methods I	3
KINE 120	The Science of Basic Health and Fitness	3
RDNG 468	Essential Foundations of Language and Literacy for All Learners	3
MASC 475	Inquiries in Physical Science	3
MASC 450	Integrated Mathematics	3
MATH 367	Basic Concepts of Geometry	3
Life and physical sciences 1		1
	Semester Credit Hours	16
Spring		
EDCI 354	Early Childhood and Adolescent Curriculum and Lesson Design	3
INST 363	English as a Second Language Methods II	3
MASC 450	Integrated Mathematics	3
RDNG 371	Multicultural and Interdisciplinary Literature for Middle Grades	3
MASC 475	Inquiries in Physical Science	3
RDNG 372	Reading and Writing across the Middle Grades Curriculum	3
	or RDNG 371 or Multicultural and Interdisciplinary Literature for Middle Grades	
TEFB 371	Dynamics and Management in Multicultural/Inclusionary Learning Environments	3
	Semester Credit Hours	15
Fourth Year		
Fall		
MEFB 452	Curriculum and Instruction for Middle Grades	3
MEFB 460	Math Methods in Middle Grades	3
MEFB 470	Science Methods in Middle Grades	3
RDNG 490	Assessment in Reading Instruction in Middle Grades	3
	Semester Credit Hours	12
Spring		
MEFB 497	Supervised Clinical Teaching	6
	or TEED 425 or Supervised Clinical Teaching	
	Semester Credit Hours	6
	Total Semester Credit Hours	126

1 ~~KINE 120~~ is recommended.

Must make a grade of C or better in each course.

Additional information

Required Proposal Forms [BS-INST-MTS 11302018.pdf](#)

Reviewer Comments **Angel Mario Carrizales (carri1214) (11/15/18 4:43 pm):** Edits made to conform to catalog style guidelines.

Angel Mario Carrizales (carri1214) (11/15/18 4:51 pm): Rollback: Please address the following: 1) The degree evaluation list " must make a grade of C or better on all course. The catalog does not. Please add a statement to the catalog program requirements indicating that a C or better in each course is required. 2) The proposed catalog edits do not match the degree evaluation. The evaluation list several courses that are not listed in the catalog and vice versa. (e.g. TEED 425; ASTR 101, 102, 11 ...; BIOL 107; GEOG 203/213; GEOL 101 etc) If these courses can be used to meet the degree requirements, they need to be listed in both places. Please review and update as necessary 3) Also, the attached degree evaluation displays the FALL 2017-2018 requirements please run a degree evaluation on the Fall 2018-2019 catalog term to submit your changes.

Angel Mario Carrizales (carri1214) (11/27/18 11:03 am): Moving forward, the program has not been thoroughly reviewed.

Angel Mario Carrizales (carri1214) (11/29/18 10:04 am): Items 2 and 3 of the 11/15/2018 rollback comment have not been addressed. Clarification is needed on the noted discrepancies.

Angel Mario Carrizales (carri1214) (12/04/18 5:07 pm): Update received.

Angel Mario Carrizales (carri1214) (12/04/18 5:16 pm): The submitted update (attached) address curricular

services initial concerns.

Terra Bissett (t.bissett) (12/10/18 10:48 am): UCC approved December 2018.

INTERDISCIPLINARY STUDIES, BS, MATH/SCIENCE, MIDDLE GRADES CERTIFICATION

Programs in the Department of Teaching, Learning and Culture are based upon new State of Texas standards. You must consult with an advisor in the Department of Teaching, Learning and Culture (Heaton Hall) prior to enrolling in coursework each semester or term.

Program Requirements

First Year

	Semester Credit Hours
Fall	
ENGL 103 Introduction to Rhetoric and Composition or ENGL 104 or Composition and Rhetoric	3
HIST 105 History of the United States or HIST 106 or History of the United States	3
TEFB 273 Introduction to Culture, Community, Society and Schools	3
Select one of the following:	3
MATH 140 Mathematics for Business and Social Sciences	
MATH 141 Finite Mathematics	
MATH 166 Topics in Contemporary Mathematics II	
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	4
Semester Credit Hours	16
Spring	
HIST 226 History of Texas	3
MATH 131 Mathematical Concepts—Calculus or MATH 142 or Business Calculus	3
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)	3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	4
Semester Credit Hours	16
Summer	
POLS 206 American National Government	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	4
Semester Credit Hours	7
Second Year	
Fall	
INST 210 Understanding Special Populations	3

INST 222 Foundations of Education in a Multicultural Society	3
MASC 351 Problem Solving in Mathematics	3
MATH 365 Structure of Mathematics I	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	4
Semester Credit Hours	16
Spring	
MASC 371 Inquiries in Life and Earth Sciences	3
MATH 366 Structure of Mathematics II	3
RDNG 468 Essential Foundations of Language and Literacy for All Learners	3
STAT 303 Statistical Methods or EPSY 435 or Educational Statistics	3
Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)	4
Semester Credit Hours	16
Summer	
POLS 207 State and Local Government	3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)	3
Semester Credit Hours	6
Third Year	
Fall	
EDCI 365 Using Technology Classrooms	3
EDCI 353 Early Childhood through Adolescent Education	3
INST 362 English as a Second Language Methods I	3
KINE 120 The Science of Basic Health and Fitness	1
MASC 450 Integrated Mathematics	3
MATH 367 Basic Concepts of Geometry	3
Semester Credit Hours	16
Spring	
EDCI 354 Early Childhood and Adolescent Curriculum and Lesson Design	3
INST 363 English as a Second Language Methods II	3
MASC 475 Inquiries in Physical Science	3
RDNG 372 Reading and Writing across the Middle Grades Curriculum	3
TEFB 371 Dynamics and Management in Multicultural/Inclusionary Learning Environments	3
Semester Credit Hours	15
Fourth Year	
Fall	
MEFB 452 Curriculum and Instruction for Middle Grades	3
MEFB 460 Math Methods in Middle Grades	3
MEFB 470 Science Methods in Middle Grades	3

2 Interdisciplinary Studies, BS, Math/Science, Middle Grades Certification

RDNG 490	Assessment in Reading Instruction in Middle Grades	3
	Semester Credit Hours	12
Spring		
MEFB 497	Supervised Clinical Teaching ^{or TEED 428}	6
	Semester Credit Hours	6
	Total Semester Credit Hours	126

(1) recommend fine 120.

[Print](#)

Detail Requirements

Justin D. Smith
Nov 27, 2018 02:03 pm

Viewing: Degree Evaluation (DEGEVAL, , Email)
Change Student

Information for Degree Evaluation

 This is NOT an official evaluation.

Print Instructions

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation No more than 50% of courses required for the degree plan can be taken as Distance Education Courses for non-distance degree programs.

Limitation All courses on this degree plan must have a grade of 'C' or better.

Limitation Only one of the following will satisfy the requirements for a degree: GENE 301, GENE 302, GENE 315, and GENE 320.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 131, MATH 142, MATH 147, MATH 151, and MATH 171.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 140, MATH 141, and MATH 166.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 148, MATH 152, and MATH 172.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 221, MATH 251, and MATH 253.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 304, MATH 309, MATH 311, and MATH 323.

Limitation Only one of the following will satisfy the requirements for a degree: STAT 301, STAT 302, and STAT 303.

Program :	BS INST-Math/Science	Catalog Term :	Full Yr Professional 2018-2019
Campus :	College Station	Evaluation Term :	Spring 2019 - College Station
College :	Education & Human Development	Expected Graduation Date :	
Degree :	Bachelor of Science	Request Number :	11
Level :	Undergraduate	Results as of :	Nov 27, 2018
Majors :	Interdisciplinary Studies	Minors :	
Departments :	Teaching, Learning & Culture	Concentrations :	

	Met Credits		Courses	
	Required	Used	Required	Used
Total Required :	No	126.000	0.000	0
Program GPA :	No	2.75	.00	
Overall GPA :	No	2.50	.00	
Other Course Information				
Transfer :		0.000		0

This is NOT an official evaluation.

Area : Major Coursework (27.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits
No	A.		INST	210										
					Must have a grade of 'C' or better.									

No	AND	B.	INST 362 Must have a grade of 'C' or better.
No	AND	C.	TEFB 371 Must have a grade of 'C' or better.
No	AND	D.	RDNG 371 or 372 Must have a grade of 'C' or better.
No	AND	E.	INST 363 Must have a grade of 'C' or better.
No	AND	F.	RDNG 468 Must have a grade of 'C' or better.
No	AND	G.	EDCI 365 Must have a grade of 'C' or better.
No	AND	H.	EDCI 353 Must have a grade of 'C' or better.
No	AND	I.	EDCI 354 Must have a grade of 'C' or better.

Total Credits and GPA 0.000

unofficial evaluation

Area : Professional Development (21.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No		A.	TEFB 273											
No	AND	B.	MEFB 452											
No	AND	C.	MEFB 460											
No	AND	D.	MEFB 470											
No	AND	E.	RDNG 490											
No	AND	F.	MEFB 497 or TEED 425											

Total Credits and GPA 0.000

unofficial evaluation

Area : Mathematics Concentration (15.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No		A.	STAT 303 or EPSY 435											
No	AND	B.	MATH 365											
No	AND	C.	MATH 366											
No	AND	D.	MATH 367											

			Must have a grade of 'C' or better.
No	AND	E.	MASC 351
			Must have a grade of 'C' or better.
No	AND	F.	MASC 450
			Must have a grade of 'C' or better.

Total Credits and GPA 0.000

unofficial evaluation

Area : Science Concentration (27.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
No		A.	Biology I Rqmt 4hrs										
				Must have a grade of 'C' or better. Select from BIOL 111, 113.									
No	AND	B.	Chemistry Rqmt 4hrs										
				Select from CHEM 101, 111, 106, 116. Must have a grade of 'C' or better.									
No	AND	C.	PHYS 205										
				Must have a grade of 'C' or better.									
No	AND	D.	BIOL 107										
				Must have a grade of 'C' or better.									
No	AND	B. E.	MASC 371										
				Must have a grade of 'C' or better.									
No	AND	C. F.	MASC 475										
				Must have a grade of 'C' or better.									
No	AND	G.	KINE 120										
				Must have a grade of 'C' or better.									
No	AND	H.	GEOG/GEOL Elective 4hrs										
				Select from GEOG 203/213; GEOL 101. Must have a grade of 'C' or better.									

A. ANY CORE (KLPs) 20 HOURS

Total Credits and GPA 0.000

unofficial evaluation

Area : Communication (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
No		A.	ENGL 103 or 104										
				Must make a grade of 'C' or better.									
No	AND	B.	English Rqmt 3hrs										
				Must make a grade of 'C' or better. Select from ENGL 203, 210.									

ANY 3hr (KCOM)

Total Credits and GPA 0.000

unofficial evaluation

Area : Mathematics (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.	Mathematics Rqmt 3hrs	+140
		Select from MATH 131 or 142. Must have a grade of 'C' or better.	
No	AND	B.	Mathematics Rqmt 3hrs
		Select from MATH 141 or 166. Must have a grade of 'C' or better.	

Total Credits and GPA 0.000

unofficial evaluation

Area : Language, Philosophy & Culture (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No	A.	ANTH 205												
		ANY CORE (KLC)												
		Must have a grade of 'C' or better.												

Total Credits and GPA 0.000

unofficial evaluation

Area : Creative Arts (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No	A.		Creative Arts Requirement											
		Select three hours from any course with the Creative Arts attribute [KCRA].												
		Must have a grade of 'C' or better.												

Total Credits and GPA 0.000

unofficial evaluation

Area : Social and Behavioral Science (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No	A.		INST 222											
		Must have a grade of 'C' or better.												

Total Credits and GPA 0.000

unofficial evaluation

Area : Citizenship (12.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						
No	A.		US History Rqmt 3hrs											
		Select from HIST 105 or 106. Must have a grade of 'C' or better.												
No	AND	B.	TX History Rqmt 3hrs											
		Select from HIST 226. Must have a grade of 'C' or better.												
No	AND	C.	POLS 206											
		Must have a grade of 'C' or better.												
No	AND	D.	POLS 207											

Must have a grade of 'C' or better.

Total Credits and GPA 0.000

unofficial evaluation

Area : Work Not Applied - Met

Description : See advisor for acceptable substitutions.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	C
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No		A.	Courses not applied											
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Total Credits and GPA

unofficial evaluation

Area : University Writing Requirement - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits
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No		A.	Writing Requirement											
Two courses required. Only sections of INST 362; RDNG 371, 372, 461, 472 with the Writing attribute [UWRT] may be used to satisfy this requirement.														

Total Credits and GPA 0.000

unofficial evaluation

Area : Int'l & Cult Diversity - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits
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No		A.	Int'l & Cultural Diversity 6hr											
Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).														

Total Credits and GPA 0.000

unofficial evaluation

Area : Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits
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No		A.	Foreign Language Rqmt											
Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.														

Total Credits and GPA 0.000

unofficial evaluation

Area : Residence Requirement - Not Met

Description : A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University.

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	C
							Credits	Courses						

No	A.	Residence	300-499	36hrs										

Select 36hrs from any 300-400 level course at Texas A&M University.

Total Credits and GPA

unofficial evaluation

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