Program Change Request

Date Submitted: 11/13/18 11:31 am

Viewing: **BS-USSC-MFT* : University Studies - BS, Mathematics for Teaching Concentration**

Last approved: 03/20/18 5:41 pm
Last edit: 11/13/18 11:31 am
Changes proposed by: donnalh

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donna Hoffman</td>
<td><a href="mailto:donnalh@tamu.edu">donnalh@tamu.edu</a></td>
<td>979-862-4306</td>
</tr>
</tbody>
</table>

Academic level: Undergraduate
Effective Term: 2019-2020
Department: College of Science
College: Science
Program type: Degree w/Concentration
Degree designation: BS - Bachelor of Science
With a major in: University Studies - USSC (USSC)
Associated Program: Not Applicable
With a concentration in: Mathematics for Teaching-USSC (MFT*)

Catalog Program Title:
University Studies - BS, Mathematics for Teaching Concentration
CIP and Fund code: 30999931

Rationale for Proposal

1. To comply with new course number established by the Academic Success Center.
2. To comply with new course numbers established by the Physics Department.
3. To be in compliance with the Core Curriculum requirement for ICD and the new Core Curriculum requirement for Cultural Discourse.
4. The course content of CHEM 119 MATH 220 and CHEM 107/CHM 117 CSCE 222/ECEN 222 is too similar to allow credit for both courses.
5. This course is foundational and fundamental to virtually all upper level coursework in our degrees and as such, we are moving this course to a number that will more accurately reflect its inherent maturity level, and to stress the course's importance and pivotal role within our degree programs.
6. To bring Howdy Degree Evaluation into agreement with the Undergraduate Catalog. *Removing MATH 150 from the ineligible General Elective list will assist students with the new Financial Aid regulations.* New upper-level Statistics courses have been created that are acceptable elective courses and should be included in Major GPR calculations.

Program hours: 120
Is this program eligible for financial aid? No

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

Approval Path
1. 11/07/18 5:03 pm Lucas Macri (lmacri): Approved for CLSC Department Head UG
2. 11/09/18 4:25 pm Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 11/13/18 11:33 am Lucas Macri (lmacri): Approved for Curricular Services Review
4. 11/14/18 5:16 pm Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 11/15/18 1:13 pm Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
6. 11/15/18 4:03 pm Lucas Macri (lmacri): Approved for SC Committee Chair UG
7. 11/15/18 4:04 pm Lucas Macri (lmacri): Approved for SC College Dean UG
8. 11/15/18 4:54 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 12/10/18 10:36 am Terra Bisse (t.bisse): Approved for UCC Chair
Will program hours change (increase/decrease) due to the proposed curriculum changes?  
No

Program delivery mode
On-campus

Catalog Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 220</td>
<td>Foundations of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 300</td>
<td>Foundations of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 304</td>
<td>Linear Algebra 1</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>MATH 323 or Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 375</td>
<td>Intermediate Real Analysis 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 376</td>
<td>Intermediate Abstract Algebra 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 403</td>
<td>Mathematics and Technology 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 467</td>
<td>Modern Geometry 1</td>
<td>3</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Principles of Statistics I</td>
<td>3</td>
</tr>
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</table>

University and College Requirements

- PHYS 206 Newtonian Mechanics for Engineering and Science and Physics of Motion Laboratory for the Sciences 3
- POLS 206 American National Government 3
- POLS 207 State and Local Government 3
- Mathematics 8

Select one of the following:
- MATH 151 Engineering Mathematics I
- MATH 147 Calculus I for Biological Sciences
- MATH 171 Analytic Geometry and Calculus

Select one of the following:
- MATH 152 Engineering Mathematics II
- MATH 148 Calculus II for Biological Sciences
- MATH 172 Calculus

- ENGR 328 Mechanics 4

- American history 6
- Creative arts 3
- Communication 6
- Life and physical sciences 5
- Language, philosophy and culture 2 3
- Social and behavioral sciences 3
- Minor 1 15-18
- Minor 2 15-18
- General Electives 4 19-25

Total Semester Credit Hours 120

1. Must make a grade of 'C' or better.
2. Select 3 hours from any 200-499 level course.
3. Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.
4. Three hours of courses must be in the area of International and Cultural Diversity and three hours of courses must be in the area of Cultural Discourse. These may be in addition to University Core Curriculum courses, or if a course in this category satisfies an area of the Core, it can be used to meet both requirements.

Remaining electives may be selected from any 100-499 course not used elsewhere, (except ALED 125, ASCC 102, ASTR 109/PHYS 109, ASTR 119/PHYS 119, BMEN 101, BUSN 100, ISEN 101, KINE 199, LAND 101, MATH 102-148, MATH 151-166, MATH 306, MATH 309, MATH 311, MATH 367, MATH 368, MATH 375, MATH 376, PHYS 109/ASTR 109, PHYS 119/ASTR 119, PHYS 201, PHYS 202, PHYS 205, PSYC 301, STAT 201, STAT 301 - 303, URPN 200, WFSC 101).

Maximum of 4 hours of MATH 147, MATH 151, or MATH 171 may be used in this degree program.
Maximum of 4 hours of MATH 148, MATH 152, or MATH 172 may be used in this degree program.
Maximum of 3 hours of MATH 300, MATH 320, or CSCE 227/ECEN 222 may be used in this degree program.
Maximum of 3 hours of MATH 411 or STAT 414 may be used in this degree program.
Maximum of 3 hours of MATH 417, MATH 437 or CSCE 442 may be used in this degree program.
Maximum of 4 hours of CHEM 119, CHEM 107/117 may be used in this degree program.

Additional information Description of change:
1. To change the course number of STLC 102 to ASCC 102 in Footnote 4. and Rule A. of General Electives in Howdy Degree
Evaluation. Electives...

2. To change the course number range of PHYS 218 acceptable STAT courses to PHYS206/PHYS226 under University and College Requirements and STAT 404 – STAT 482 in Howdy degree evaluation. To change the course number range of PHYS 218 acceptable STAT courses to PHYS206/PHYS226 under University and College Requirements and STAT 404 – STAT 482 in Howdy degree evaluation. Rule A. of Life and Physical Sciences in Howdy Degree Evaluation.

3. To add the wording in Footnote 4. To add the statement, "Maximum of 3 hours of MATH 220 or CSCE 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and the corresponding "Limitation" in Howdy degree evaluation to reflect the requirement. To remove MATH 150 from list of 3 hrs excluded General Electives in Footnote 4 if ICD the Undergraduate Catalog and the new requirement of 3 hours of Cultural Discourse and add link to the Catalog page listing ICD courses. Howdy degree evaluation Rule A. To change Rule A. of International Cultural Diversity to 3 hrs and add Rule B. of Cultural Discourse for 3 hrs in Howdy Degree Evaluation.

4. To change the statement, "Maximum of 4 hours of CHEM 119, CHEM 107/CHEM 117 MATH 220 or CSCE 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and the corresponding Limitation to "Limitation" in Howdy Degree Evaluation. degree evaluation.

5. To change MATH 220 to MATH 300 in Concentration Field of Study, and the statement, "Maximum of 3 hours of MATH 300 or CSCE 222/ECEN 222 may be used in this degree program" in the Undergraduate Catalog. To change MATH 220 to MATH 300 in Rule A. of Concentration Field of Study, Rule A. of GPR-Major, and the corresponding Limitation in Howdy Degree Evaluation.

6. To remove INST 201, INST 222, SOCI 217 as the only courses that can be used to meet the Social and Behavioral Science core requirement in Howdy Degree Evaluation. To change Howdy Degree Evaluation to state that any KSOC courses can fulfill the Social and Behavioral Science core requirement. To change the range of acceptable STAT courses to STAT 404 – STAT 482 in Howdy degree evaluation Rule A. of GPR-Major.

Required Proposal Forms
- bs_ussc_mft_17c.pdf
- BS-USCC-MFT.pdf
- 012218PresidentApprovalMemo.pdf
- bs_ussc_mft.pdf

Reviewer Comments
Angel Mario Carrizales (carri1214) (11/09/18 4:25 pm): Rollback: The degree evaluation list INST 201, INST 222, SOCI 217 as the only courses that can be used to meet the Social and Behavioral Science core requirement. However, the catalog program requirements indicate any course that meets the Social and Behavioral Science core requirement. Which is correct? Please make the necessary edits so that the catalog program requirements match the evaluation.

Angel Mario Carrizales (carri1214) (11/14/18 5:15 pm): Initial concerns addressed.

Terra Bissett (t.bissett) (12/10/18 10:36 am): UCC approved December 2018.
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 Mathematics: No more than 3 hours may be used from Math 141 or 166 in this degree plan.

Limitation Mathematics: Only one course may be used from Math 121, 131, 142, 151 or 171 in this degree plan.

Limitation Maximum of 3 hours of Math 417, 437 or CSCE 442 may be used in this degree program.

Limitation Maximum of 3 hours of MATH 411 or STAT 414 may be used in this degree program.

Limitation Maximum of 3 hours of MATH 429 or CSCE/ECEN 222 may be used in this degree program.

Limitation Maximum of 4 hours of Math 147, 151, 171 may be used in this degree program.

Limitation Maximum of 4 hours of MATH 148, 152, 172 may be used in this degree program.

Limitation Maximum of 4 hours of CHEM 119, CHEM 107/CHEM 117 may be used in this degree program.

Program : BS USSC-Math for Teaching
Campus : College Station
College : Science
Degree : Bachelor of Science
Level : Undergraduate
Majors : University Studies
Departments : College of Science

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<th>Courses</th>
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<tr>
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<td>Used</td>
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<tr>
<td>Total Required</td>
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Program GPA : Yes
Overall GPA : 2.75

Other Course Information
Transfer : 0.00

0

This is NOT an official evaluation.

Area Concentration Field of Study (21,000 credits) - Not Met

Met | Condition Rule Subject Attribute Low High Required Credits | Required Courses | Term Subject Course Title Attribute Credits Grade Source
---|---|---|---|---
No | A. MATH 220 | 3.0 | C | Must make a grade of "C" or better.
No AND B. MATH 375 | | | | Must make a grade of "C" or better.
No AND C. MATH 376 | | | | Must make a grade of "C" or better.
No AND D. MATH 403 | | | | Must make a grade of "C" or better.
No AND E. MATH 467 | | | | Must make a grade of "C" or better.
No AND F. STAT 211 | | | | |
Must make a grade of "C" or better.

No AND G. Linear Algebra 3 hrs
Select from MATH 304, 323.
Must make a grade of "C" or better.

unofficial evaluation

### Area: Communication (5,000 credits) - Not Met

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<th>High</th>
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<th>Credits</th>
<th>Courses</th>
<th>Term</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Communication Requirement 5 hrs</td>
<td>Select any courses with the Communication attribute [KCOM].</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Mathematics (8,000 credits) - Not Met

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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>MATH Rqmt I 4 hrs</td>
<td>Select from MATH 151, 147, 171.</td>
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<td>No AND B.</td>
<td>MATH Rqmt II 4 hrs</td>
<td>Select from MATH 152, 148, 172.</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Life and Physical Sciences (9,000 credits) - Not Met

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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>PHYS 206/226 4 hrs</td>
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<tr>
<td>No AND B.</td>
<td>Science Requirement 5 hrs</td>
<td>Select from any course with the Life and Physical Sciences [KLPS] attribute.</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Language, Philosophy & Culture (3,000 credits) - Not Met

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<tr>
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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Lang, Phil, Culture Rqmt 3 hrs</td>
<td>Select any course with the Language, Philosophy and Culture attribute [KLPC].</td>
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</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Creative Arts (3,000 credits) - Not Met

| Met | Condition | Rule | Subject | Attribute | Low | High | Required | Credits | Courses | Term | Subject | Course | Title | Attribute | Credits | Grade | Source |

Two university approved minors are required for this degree program. One of the two minors must be completed in a college outside of the college that provides the concentration for the student's degree. This area ensures completion of minors and will be removed once an application for degree has been submitted.

unofficial evaluation

Area University Writing Requirement - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Rule</th>
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<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>Writing</td>
<td>Requirement</td>
<td>Two courses required. Only sections 100-499 courses with the Writing attribute [UWRT] or Communication attribute [UCRT] may be used to satisfy this requirement.</td>
<td></td>
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unofficial evaluation

Area Int'l & Cult Diversity - Not Met

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<tr>
<th>No</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Int'l &amp; Cultural Diversity</td>
<td>3hrs</td>
<td>Select from courses with the International and Cultural Diversity attribute [UIDC] except sections of BUSN 289 with the UWRT attribute.</td>
<td></td>
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<tr>
<td>B</td>
<td>Cultural Discourse</td>
<td>3 hrs</td>
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unofficial evaluation

Area Foreign Language - Not Met

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<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Foreign Language</td>
<td>Reqmt</td>
<td>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.</td>
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unofficial evaluation

Area Residence Requirement - Not Met

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<th>Rule</th>
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<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Residence</td>
<td>Major 12hrs</td>
<td>Includes MATH 364, 375-376, 403, 447. Must be taken in residence at Texas A&amp;M University.</td>
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<tr>
<td>B</td>
<td>Residence</td>
<td>300-499 24hrs</td>
<td>Includes any 300-499 taken in residence at Texas A&amp;M University.</td>
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</tbody>
</table>

Total Credits and GPA 0.000 .00

Total Credits and GPA 0.000 .00

Total Credits and GPA 0.000 .00

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Social and Behavioral Science (3,000 credits) - Not Met
Description:

- Met Condition Rule Subject Attribute Low High Required
  Credits Courses Term Subject Course Title Attribute Credits Grade Source

No A. Social Science Rqmt 3hrs
  Select from WGST 210, 211, or SOC 211.
  Select three hours from any course with the [Ksoc] attribute.

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Area : Citizenship (12,000 credits) - Not Met
Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

- Met Condition Rule Subject Attribute Low High Required
  Credits Courses Term Subject Course Title Attribute Credits Grade Source

No A. American History Rqmt 6hrs
  Select from any course with the [Khis] attribute.
No AND B. Political Science Rqmt 6hrs
  Take POLS 208 and POLS 207.

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Area : General Electives (55,000 credits) - Not Met

- Met Condition Rule Subject Attribute Low High Required
  Credits Courses Term Subject Course Title Attribute Credits Grade Source

No A. General Electives 55hrs
  Includes 30-35 hours of courses that were used to satisfy the
  two minor requirements and 19-25 hours of 100-499 courses
  not used elsewhere. (except ALED 125, ASTK 109, 119;
  BMEN 101; BUSN 101; ESEN 101; KINE 199; LAND 101;
  MATH 102-148, 151-166, 304, 309, 311, 367, 368, 375,
  376; PHYS 101, 119, 201, 202, 205; PSYC 301; STAT 201,
  301-303; WRSC 440; UPRN 200; WFSQ 101)

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Area : Work Not Applied - Met
Description: See adviser for acceptable substitutions.

- Met Condition Rule Subject Attribute Low High Required
  Credits Courses Term Subject Course Title Attribute Credits Grade Source

No A. Courses not applied

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Area : University Studies Minor Rqmt - Not Met

- Met Condition Rule Subject Attribute Low High Required
  Credits Courses Term Subject Course Title Attribute Credits Grade Source

No

unofficial evaluation
unofficial evaluation

Area: GPR-Major - Not Met

Description: A GPR of 2.50 must be maintained in all major field courses.

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<tr>
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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>High</th>
<th>Required</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td></td>
<td>A.</td>
<td>Major</td>
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<td>Includes MATH 220, 304, 308, 323, 325, 425, 442; STAT 211-212, 404-482.</td>
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<table>
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<tr>
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Total Credits and GPA 0.000 .00

unofficial evaluation

Back to Display Options

Print