Program Change Request

Date Submitted: 10/31/17 4:28 pm

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

Last approved: 03/09/17 11:40 am
Last edit: 11/21/17 1:59 pm
Changes proposed by: donnah

Catalog Pages Using this Program

University Studies - BS, Mathematics for Teaching Concentration

Faculty Senate Number FS.34.266

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:donnah@tamu.edu">donnah@tamu.edu</a></td>
<td>979-862-4306</td>
</tr>
</tbody>
</table>

Academic level: Undergraduate
Effective Term: 2018-2019
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)
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

*The course description of STAT 411 is being changed, resulting in MATH 411 and STAT 411 being too similar in content to allow credit for both courses.*

*The course content description of MATH 220 417, 437, and CSCE 222/ECEN 222 is 442 are too similar in content to allow credit for both more than one of these courses.*

*To update the catalog requirements with exclusions to the General Electives area, in agreement with the degree evaluation in Howdy.*

*Removing MATH 150 Military Science courses (and courses no longer offered) from the ineligible list of excluded 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
Will program hours change due to the proposed curriculum changes?: 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. 10/31/17 4:39 pm
   Lucas Macri (lmacri): Approved for CLSC Department Head UG
2. 11/01/17 5:20 pm
   Angel Mario Carricales (carri1214): Approved for Curricular Services Review
3. 11/02/17 12:57 pm
   Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
4. 11/02/17 1:12 pm
   Lucas Macri (lmacri): Approved for SC Committee Chair UG
5. 11/02/17 1:13 pm
   Lucas Macri (lmacri): Approved for SC College Dean UG
6. 11/13/17 6:16 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 12/05/17 11:28 am
   Sandra Williams (sandra-williams): Approved for UCC Chair
8. 01/11/18 10:12 am
   Jan Helgoth (helgoth): Approved for Faculty Senate Preparer

History
1. Mar 9, 2017 by Donna Hoffman (donnah)
Catalog Program Requirements

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

University and College Requirements

Communication 6
Mathematics 8

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course List</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 147</td>
<td>Calculus I for Biological Sciences</td>
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<tr>
<td>MATH 171</td>
<td>Analytic Geometry and Calculus</td>
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</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course List</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>MATH 152</td>
<td>Engineering Mathematics II</td>
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<td></td>
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<tr>
<td>MATH 148</td>
<td>Calculus II for Biological Sciences</td>
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</tr>
<tr>
<td>MATH 172</td>
<td>Calculus</td>
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<tr>
<td>PHYS 218</td>
<td>Mechanics</td>
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</table>

Life and physical sciences 5

Conference, philosophy and culture 2

Creative arts 3

Social and behavioral sciences 3

American history 6

POLS 206  American National Government 3 3

POLS 207  State and Local Government 3 3

Minor 1 15-18

Minor 2 15-18

General Electives 4 19-25

Total Semester Credit Hours 120

1. Make a grade of “C” or better.
2. Select 3 hours from any 200-499 level course.

Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.

Electives may be selected from any 100-499 course not used elsewhere, (except: ALED 125; ASTR 109/PHYS 109; ASTR 119/PHYS 119; BMEN 101; BUSN 100; ISN 101; KINE 199; LAND 101; MATH 102-148, MATH 151-166, MATH 304; MATH 309, MATH 311, MATH 367, MATH 368, MATH 375, MATH 376, PHYS 301, PHYS 302, PHYS 305, PSYC 301; STAT 301, STAT 301-303, STLC 102; 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 220 or CSCE 222/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 492 or CSCE 412 may be used in this degree program.

Additional information

Description of change:

*To add the statement, “Maximum of 3 hours of MATH 220 414 or CSCE 222/ECEN 222 STAT 414 may be used in this degree program” to the Undergraduate Catalog and the corresponding “Limitation” to the degree evaluation in Howdy degree evaluation.

*To add the statement, “Maximum of 3 hours of MATH 417, 437 or CSCE 442 may be used in this degree program” to the Undergraduate Catalog and the corresponding “Limitation” to the degree evaluation in Howdy.

*To add the statement, “Maximum of acceptable STAT courses 3 hours of MATH 417, 437 or CSCE 442 may be used in this degree program” to STAT 404 – STAT 482 in Howdy degree the Undergraduate Catalog and the corresponding “Limitation” to the degree evaluation Rule A. in Howdy-of GPR-Major.
<table>
<thead>
<tr>
<th>Required Proposal</th>
<th>bs_ussc_mft_16c.pdf</th>
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<tbody>
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<td>Forms</td>
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</table>

**Reviewer Comments**

Sandra Williams (sandra-williams) (12/05/17 11:28 am): UCC approved in December.
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:** Maximum of 3 hours of MATH 220 or CSCE 222/ESEN 222 may be used in this degree program.

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 Mathematics: Maximum of 3 hours of MATH 417, 437 or CSCE 442 may be used in this degree program.

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

<table>
<thead>
<tr>
<th>Program</th>
<th>BS USSC-Math for Teaching</th>
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<tbody>
<tr>
<td>Campus</td>
<td>College Station</td>
</tr>
<tr>
<td>College</td>
<td>Science</td>
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<td>Degree</td>
<td>Bachelor of Science</td>
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<td>Level</td>
<td>Undergraduate</td>
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<td>Majors</td>
<td>University Studies</td>
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<tr>
<td>Departments</td>
<td>College of Science</td>
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<table>
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<tr>
<th>Catalog Term</th>
<th>Fall 2017 - College Station</th>
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<tbody>
<tr>
<td>Evaluation Term</td>
<td>Fall 2017 - College Station</td>
</tr>
<tr>
<td>Expected Graduation Date</td>
<td>Sep 21, 2017</td>
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<table>
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<tr>
<th>Request Number</th>
<th>920</th>
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<td>Results as of</td>
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<td>Minors :</td>
<td>Concentrations :</td>
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<th>Required</th>
<th>Used</th>
<th>Courses</th>
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<td></td>
<td>0.000</td>
<td>120.000</td>
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<td>0.00</td>
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<td>2.75</td>
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This is NOT an official evaluation.

<table>
<thead>
<tr>
<th>Area</th>
<th>Concentration Field of Study ( 21.000 credits ) - Not Met</th>
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<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. MATH 220 Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No</td>
<td>AND B. MATH 375 Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No</td>
<td>AND C. MATH 376 Must make a grade of a &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No</td>
<td>AND D. MATH 403 Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No</td>
<td>AND E. MATH 467 Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No</td>
<td>AND F. STAT 211 Must make a grade of &quot;C&quot; or better.</td>
</tr>
</tbody>
</table>

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

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

Information for Degree Evaluation

This is NOT an official evaluation.

Print Instructions

Program Evaluation

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Limitation Maximum of 3 hours of MATH 411 or STAT 414 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
Catalog Term : Fall 2017 - College Station
Evaluation Term : Fall 2017 - College Station
Expected Graduation Date :
Request Number : 920
Results as of : Sep 21, 2017
Minors :
Concentrations :

Met | Credits | Courses
--- | ------- | ---
Required | Used | Required | Used
Total Required : No | 120.00 | 0.00 | 0
Program GPA : Yes | .00 | .00
Overall GPA : No | 2.75 | .00

This is NOT an official evaluation.

Area : Concentration Field of Study ( 21.000 credits ) - Not Met

Met | Condition | Rule | Subject | Attribute | Low | High | Required | Term | Subject | Course Title | Attribute | Credits | Courses
--- | -------- | ------ | ------- | -------- | --- | --- | -------- | --- | ------- | ------------ | -------- | ------- | ------
No | A. MATH 220 | 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 a "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

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption 9/21/2017
Must make a grade of "C" or better.

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

unofficial evaluation

Area : Communication ( 6.000 credits ) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. Communication Requirement 6hrs
Select any courses with the Communication attribute [KCOM].

Total Credits and GPA 0.000

unofficial evaluation

Area : Mathematics ( 8.000 credits ) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. MATH Reqmt I 4hrs
Select from MATH 151, 147, 171.
No AND B. MATH Reqmt II 4hrs
Select from MATH 152, 140, 172.

Total Credits and GPA 0.000

unofficial evaluation

Area : Life and Physical Sciences ( 9.000 credits ) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. PHYS 218 4hrs
No AND B. Science Requirement 5hrs
Select from any course with the Life and Physical Sciences [KLPS] attribute.

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 Courses
No A. Lang, Phil, Culture Reqmt 3hrs
Select any course with the Language, Philosophy and Culture attribute [KLPC].

Total Credits and GPA 0.000

unofficial evaluation
Area: Creative Arts (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Creative Arts Requirement 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Selected three hours from any course with the Creative Arts attribute [KGRA].</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

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

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Social Science Rqmt 3hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Select from INST 210, 222 or SOCI 217.</td>
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</tbody>
</table>

Total Credits and GPA

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>American History Rqmt 6hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Select from any course with the [KHN] attribute.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>B.</th>
<th>Political Science Rqmt 6hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Take POLS 206 and POLS 207.</td>
</tr>
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</table>

Total Credits and GPA

unofficial evaluation

Area: General Electives (55.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>General Electives 55hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Includes 30-36 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; ASTR 109, 119; BMET 101; BUSN 100; ESEN 191; KINE 199; LAND 101; MATH 102-148, 151-160; PHYS 109, 119, 201, 202, 205; PSYC 301; STAT 201, 301-303; STLC 102; UPW 200; WFSCE 101).</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

Area: Work Not Applied - Met

Description: See advisor for acceptable substitutions.

Term Subject Course Title Attribute

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption 9/21/2017
unofficial evaluation

Area: University Studies Minor Rqmt - Not Met
Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

No A. Required Minor
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.

Total Credits and GPA 0.000

unofficial evaluation

Area: University Writing Requirement - Not Met
Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

No A. Writing Requirement
Two courses required. Only sections 100-499 courses with the Writing attribute [UWRT] or Communication attribute [UCRT] 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 Required Term Subject Course Title Attribute Credits Courses

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 Required Term Subject Course Title Attribute Credits Courses

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

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Low High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>Residence Req</td>
<td>A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&amp;M University. 12 hours must be in the major field.</td>
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<td>A.</td>
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<td>Residence - Major 12hrs</td>
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<td>No</td>
<td>AND</td>
<td>B.</td>
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<td>Residence 300-499 24hrs</td>
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<td>Includes any 300-499 taken in residence at Texas A&amp;M University.</td>
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unofficial evaluation

<table>
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<tr>
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<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>GPR-Major</td>
<td>A GPR of 2.50 must be maintained in all major field courses.</td>
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<td>Major GPR 21+hrs</td>
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<td>Includes MATH 220, 304, 308, 323, 325, 425, 442; STAT 211-212, 401-482</td>
<td></td>
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</tr>
</tbody>
</table>

unofficial evaluation

Back to Display Options

Print