43. Change in Curriculum

**College of Science**
Department of Mathematics
BS in University Studies - Mathematics for Pre-Professionals Concentration
CHANGE IN CURRICULA
CHANGE IN CURRICULUM

COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS
BS IN UNIVERSITY STUDIES - MATHEMATICS FOR PRE-PROFESSIONALS CONCENTRATION
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (e.g., DVM, JD, MD, etc.)
2. Request change for: ☑ Degree Program ☐ Minor ☐ Certificate
3. Request submitted by (Department or Program Name):
   Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Department of Mathematics
   B. S. in University Studies - Math for Pre-Professionals Concentration
4. Brief description of change:
   *To add MATH 251 as a required Area of Concentration course.
   *To decrease General Electives to 16-22 hours in order to maintain the 120 credit hour total.
   *To change the Language, Philosophy and Culture requirement to, "Select from any 200-499 course with the [KLPC] attribute."

5. Rationale for change:
   *MATH 251 is a prerequisite for MATH 308 and several upper-level MATH courses.
   *To make the LPC requirements the same as all other MATH degree plans.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes ☐ No
   b. Current catalog curriculum with handwritten edits attached. ☑ Yes ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐ Yes ☑ No
   b. If yes, degree program hours will change from: _________ to: _________
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.tbecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3B8FF01D60 ☐ Yes ☐ No

9. If proposed changes affect other unit(s), are letters of support attached? ☐ Yes ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Dr. Paulo Lima-Filho
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date

Dean of College Date
Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 04/14

RECEIVED OCT 20 2015 CURRICULAR SERVICES
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

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.

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

<table>
<thead>
<tr>
<th>Met</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required</td>
<td>Used</td>
</tr>
<tr>
<td>Total Required:</td>
<td>No</td>
<td>120.00</td>
</tr>
<tr>
<td>Program GPA:</td>
<td>Yes</td>
<td>.00</td>
</tr>
<tr>
<td>Overall GPA:</td>
<td>No</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Other Course Information

Transfer: 0.000 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 Required Term Subject Course Title Attribute Credits Courses

No AND A. MATH 220
Must make a grade of 'C' or better.

No AND C. MATH 308
Must make a grade of 'C' or better.

No AND D. MATH 409

No AND E. MATH 415

No AND F. STAT 414

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

No AND H. 400-Level MATH 300 3hrs
Select from MATH 400-499 (except MATH 401, 403, 433).

B. MATH 251 Must make a grade of 'C' or better.

Total Credits and GPA 0.000

unofficial evaluation

Area: Communication (6.000 credits) - Not Met
<table>
<thead>
<tr>
<th>Area: Mathematics (8.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
</tr>
<tr>
<td>No AND</td>
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<tr>
<td>No AND</td>
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</table>

<table>
<thead>
<tr>
<th>Area: Life and Physical Sciences (9.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td>Met</td>
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<tr>
<td>No</td>
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<table>
<thead>
<tr>
<th>Area: Language, Philosophy &amp; Culture (3.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td>Met</td>
</tr>
<tr>
<td>No</td>
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</table>

<table>
<thead>
<tr>
<th>Area: Creative Arts (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
</tr>
<tr>
<td>No</td>
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</tbody>
</table>

unofficial evaluation
unofficial evaluation

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

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Social Science Rqmt 3hrs</td>
<td>Select from courses with the Social and Behavioral Science attribute (KSOIC).</td>
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</table>

Total Credits and GPA 0.000

unofficial evaluation

**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.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. American History Rqmt 6hrs</td>
<td>Select from any course with the [KHIS] attribute.</td>
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<tr>
<td>No</td>
<td>AND B. Political Science Rqmt 6hrs</td>
<td>Take POLS 206 and POLS 207.</td>
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Total Credits and GPA

unofficial evaluation

**Area:** General Electives (35.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. General Electives 55hrs</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.</td>
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</table>

Total Credits and GPA 0.000

unofficial evaluation

**Area:** Work Not Applied - Met  

**Description:** See advisor for acceptable substitutions.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
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</table>

Total Credits and GPA

unofficial evaluation

**Area:** University Studies Minor Rqmt - Not Met
<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Required Minor</td>
</tr>
<tr>
<td></td>
<td>Two university approved minors are required for this degree program. This area ensures completion of minors and will be removed once an application for degree has been submitted.</td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: University Writing Requirement - Not Met</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>A. Writing Requirement</td>
</tr>
<tr>
<td></td>
<td></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>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Int'l &amp; Cult Diversity - Not Met</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>A. Int'l &amp; Cultural Diversity 6hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute (UICD) (except sections of BUSI 289 with the UWRT attribute).</td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Foreign Language - Not Met</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>A. Foreign Language Reqmt</td>
</tr>
<tr>
<td></td>
<td></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>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Residence Requirement - Not Met</th>
<th>Description</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></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>
<td>No</td>
<td>A. Residence - Major 12hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Includes MATH 304, 375-376, 403, 467. Must be taken in residence at Texas A&amp;M University.</td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000
No AND B. Residence 300-499 24hrs
Includes any 300-499 taken in residence at Texas A&M University.

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Area : GPR-Major - Not Met
Description : A GPR of 2.00 must be maintained in all major field courses.

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

No A. Major GPR 21+hrs
Includes MATH 220, 204, 308, 323, 400-499 (except MATH 401, 407, 411); STAT 414

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Print

University Studies - BS, Mathematics for Pre-Professionals Concentration

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University Studies - BS, Mathematics for Pre-Professionals Concentration

The Bachelor of Science in University Studies, Mathematics for Pre-Professionals area of concentration consists of courses that are designed to give students who are both interested in pre-professional programs and mathematically inclined a way to combine both interests.

MATH 220 Foundations of Mathematics I 3
MATH 308 Differential Equations I 3
MATH 409 Advanced Calculus I 3
MATH 415 Modern Algebra I 3
STAT 414 Mathematical Statistics I 3
MATH 304 Linear Algebra I 3
or MATH 323 or Linear Algebra
MATH 400 - MATH 499 2

University and College Requirements
ENGL 104
3
Communication
3

Select one of the following:

COMM 203 Public Speaking
COMM 205 Communication for Technical Professions
COMM 243 Argumentation and Debate
MATH 151 Engineering Mathematics I I 4
or MATH 171 or Analytic Geometry and Calculus
MATH 152 Engineering Mathematics II I 4
or MATH 172 or Calculus

Language, philosophy and culture (with ENGL prefix) 3
Creative arts
3
Social and behavioral sciences
3
American history
6
POLS 206 American National Government 3
POLS 207 State and Local Government 3
Minor 1 15-18
Minor 2 15-18
General Electives 4
Total Semester Credit Hours 120

1 Must make a grade of 'C' or better.
2 MATH 401, MATH 403, and MATH 433 will not fulfill this requirement.
3 Completion of four semesters of upper-level ROTC may be substituted for three hours of this requirement.
4 Hours of 100-499 courses not used elsewhere.

Select 3 hours from any 200-499 level course.