39. Change in Curriculum

**College of Science**
Department of Mathematics
BA in Mathematics - 5-year degree program
CHANGE IN CURRICULA
CHANGE IN CURRICULUM

COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS
BA IN MATHEMATICS - 5-YEAR DEGREE PROGRAM
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate □ Graduate □ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for: ☑ Degree Program □ Minor □ Certificate

3. Request submitted by (Department or Program Name):
Department of Mathematics

4. Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union):
B.A. in Mathematics - 5 YR

5. Brief description of change:
*To change MATH electives Rule J to, "Select from MATH 325, 403 - 499."

6. Rationale for change:
*To include MATH 490, "Putnam Challenge" and MATH 491, "Research" as eligible Math elective courses.

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.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

□ 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
Date: 10/15/15

Department Head or Program Chair (Type Name & Sign)
Date

Dean of College
Date

Chair, College Review Committee
Date

Chair, GC or UCC
Date

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
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.

Limitation Maximum of 4 hours of CHEM 101, 103, 107, 111, 113 may be used in this degree program.

Limitation Maximum of 4 hours of CHEM 102, 104, 112, 114 may be used in this degree program.

Limitation Maximum of 3 hours of MATH 485 may be used in this degree program.

Program : BA MATH SYR  
Catalog Term : Fall 2015 - College Station

Campus : College Station  
Evaluation Term : Fall 2015 - College Station

College : Science  
Expected Graduation Date :

Degree : Bachelor of Arts  
Request Number : 7

Level : Undergraduate  
Results as of : Oct 05, 2015

Majors : Mathematics  
Concentrations :

Met Credits 

<table>
<thead>
<tr>
<th>Required</th>
<th>Used</th>
<th>Required</th>
<th>Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Required :</td>
<td>No</td>
<td>120.000</td>
<td>0.000</td>
</tr>
</tbody>
</table>

Program GPA : Yes .03 .00

Overall GPA : No 2.03 .00

Other Course Information

Transfer :

0.000 0

This is NOT an official evaluation.

Area : Major Coursework ( 39.000 credits ) - Not Met

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

No A. Mathematics Rqmt I 4hrs
   Take MATH 171.
   Must make a grade of 'C' or better.

No AND B. Mathematics Rqmt II 4hrs
   Take MATH 172.
   Must make a grade of 'C' or better.

No AND C. Mathematics Rqmt III 4hrs
   Take MATH 221.
   Must make a grade of 'C' or better.

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

No AND E. MATH 323
   Must make a grade of 'C' or better.

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

No AND G. MATH 409
Detail Requirements

No AND H. Algebra 3hrs
Select from MATH 415, 423, 433.

No AND I. MATH/ENGR Elect 3hrs
Select from CPSC 210-469; ISEN 405-459; MATH 403-470; STAT 407-415.

No AND J. Undergraduate MATH Elect 3hrs
Select from MATH 325, 403-449.
Students seeking secondary certification must take MATH 403 and 457.

No AND K. Graduate MATH Elect 6hrs
Select from MATH 603-626, 630-639, 641-644, 647-684. This 6 hours will satisfy the requirement for both BA and MS degrees in Mathematics.

Total Credits and GPA 0.000

unofficial evaluation

Area : Supporting Coursework (7.000 credits) - Not Met

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

No AND A. STAT 211

No AND B. Computer Science Rqmt 4hrs
Select from CSCE 110, 111, 121, 205.

Total Credits and GPA 0.000

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 AND A. ENGL 104

No AND B. Communication Rqmt 3hrs
Select from COMM 203, 205 or 243.

Total Credits and GPA 0.000

unofficial evaluation

Area : Life and Physical Sciences (12.000 credits) - Not Met

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

No AND A. PHYS 218 4hrs

No AND B. Science Rqmt 8hrs
Select from ASTR 111; BIOL 111, 112, 113, 114; CHEM 101, 102, 103, 104, 111, 112, 113, 114.

Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption

10/5/2015
Area: Language, Philosophy & Culture (3.000 credits) - Not Met

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

<table>
<thead>
<tr>
<th>No</th>
<th>A. Language, Philosophy &amp; Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from any 200-499 course with the [KLPC] attribute.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.008

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met

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

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

Total Credits and GPA 0.009

unofficial evaluation

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

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

<table>
<thead>
<tr>
<th>No</th>
<th>A. Social Science Rqmt 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from courses with the Social and Behavioral Science attribute [KSOC].</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.009

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.

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

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

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

Total Credits and GPA

unofficial evaluation

Area: General Electives (35.000 credits) - Not Met

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

<table>
<thead>
<tr>
<th>No</th>
<th>A. General Electives 35hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select any 100-499 course not used elsewhere, (except ALED 125; ASTR 109/119; KINE 199; MATH 309, 311, 367, 368, 375, 376; PHYS 109/119, 201, 202, 205; PSYC 203; SOMS 111, 160; STAT 201, 225, 301-303; STLC 102).</td>
</tr>
</tbody>
</table>
### Unofficial Evaluation

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

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term 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.</td>
<td>Courses not applied</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits and GPA:** 0.000

### Unofficial Evaluation

**Area:** CLSC BA Required Minor - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term 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.</td>
<td>Required Minor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Minor requirement not needed if minor requirement is waived by the Dean's Office.

**Total Credits and GPA:** 0.000

### Unofficial Evaluation

**Area:** University Writing Requirement - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term 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.</td>
<td>Writing Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Two courses required. Only sections of MATH 100-190; RCNG 373; STAT 407; or UGST 451 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

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term 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.</td>
<td>Int'l &amp; Cultural Diversity 6hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>


<table>
<thead>
<tr>
<th>No</th>
<th>A. Foreign Language Rqmt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete one of the following:</td>
</tr>
<tr>
<td></td>
<td>1. Two years of the same foreign language in High School.</td>
</tr>
<tr>
<td></td>
<td>2. A two semester sequence of the same foreign language for University credit.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject Course</th>
<th>Title</th>
<th>Attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence</td>
<td>Major</td>
<td>12hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>Residence</td>
<td>300-499</td>
<td>24hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.00

unofficial evaluation

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

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject Course</th>
<th>Title</th>
<th>Attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major</td>
<td>GPR</td>
<td>39+hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Includes CPSC 203-489; ISEN 411-489; MATH 15-499  

Total Credits and GPA

unofficial evaluation

Back to Display Options

Print