41. Change in Curriculum

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

COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS
BS 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. S. in Mathematics - 5 YR

5. Brief description of change:
   *To change MATH electives Rule L 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  10/15/15

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 saandra.williams@tamu.edu
Curricular Services - 04/14

RECEIVED
Preparation Date

CURRICULAR SERVICES
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.

Met Credits Courses

<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>120.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Program GPA:</td>
<td>Yes</td>
<td>.00</td>
<td>.00</td>
</tr>
<tr>
<td>Overall GPA:</td>
<td>No</td>
<td>2.00</td>
<td>.00</td>
</tr>
</tbody>
</table>

Other Course Information

Transfer: 0.000 0

This is NOT an official evaluation.

Area: Major Coursework (45.000 credits) - Not Met

No Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

No A. Mathematics Req't 1 4hrs
Take MATH 171.
Must make a grade of 'C' or better.

No AND B. Mathematics Req't 2 4hrs
Take MATH 172.
Must make a grade of 'C' or better.

No AND C. Mathematics Req't 3 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 373
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 439
Detail Requirements

| No | AND | H. | MATH 415 |
| No | AND | I. | Principles of Analysis 3hrs |
| No | AND | J. | MATH 416 |
| No | AND | K. | MATH Elect I 3hrs |
| No | AND | L. | MATH Elect II 3hrs |
| No | AND | M. | Graduate MATH Elect 6hrs |

Select from MATH 427, 431, 436, 439.
Select from MATH 325, 407-409.
Select from MATH 603-628, 630-639, 641-644, 647-684.
This 6 hours will satisfy the requirement for both BS 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. | Computer Science Rqmt 4hrs |
| No | AND | B. | MATH 417 or STAT 414 |

Select from CSCE 110, 111, 121, 206.

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 202, 205, or 243.

Total Credits and GPA 0.000

unofficial evaluation

Area: Life and Physical Sciences (26.000 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 4hrs |
| No | AND | C. | Science Rqmt 8hrs |
| No | AND | D. | Science Rqmt 6hrs |

Select from PHYS 420, 470.
Select from ASTR 111, BIOL 111, 112, CHEM 101, 102, 103, 104, 111, 112, 113, 114.
Select from BICH 401-409, BIOL 200-270, CHEM 222-274, GENE 301-452, OCNG 251-252, 401-420; PHYS 221, 302-

<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>E.</th>
<th>Science Rqmt IV 4hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Select from ASTR 111; BICH 401-489; BIOL 111, 112, 200-470, 318-438; CHEM 101-104, 111-114, 222-474; GENE 301-452; QCNG 251-252, 401-426; PHYS 221, 302-305, 307-314, 324-428.</td>
</tr>
</tbody>
</table>

**unofficial evaluation**

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

**Area: General Electives (15.000 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. General Electives 15hrs</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>
<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, 180; STAT 201, 223, 301-303; STLC 102).</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: Work Not Applied - 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. 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

unofficial evaluation

**Area: University Writing Requirement - 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. 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>
<tr>
<td></td>
<td>Two courses required. Only sections of MATH 100-499; STAT 497; or USGT 421 with the Writing attribute [UIWRT] or the Oral Communication attribute [UCRT] may be used to satisfy this 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>

Total Credits and GPA 0.000

unofficial evaluation

**Area: Int'l & Cult Diversity - 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. 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>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).</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: Foreign Language - 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>
</table>

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.PVerifyDispEvalViewOption 10/5/2015
Detail Requirements

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. 12 hours must be in the major field of study.
Met   Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C
      Credits  Courses
No  A. Residence - Major 12hrs
No  AND B. Residence 300-499 24hrs

    Total Credits and GPA

unofficial evaluation

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 48+hrs

    Includes MATH 151-152 (except MATH 166, 170), MATH 603-604, 620, 630, 632, 641-644, 647-684; STAT 407-415.

    Total Credits and GPA

unofficial evaluation

Back to Display Options

Print