Program Change Request

Date Submitted: 11/08/17 4:11 pm

Viewing: BA-MATH : Mathematics - BA

Last approved: 04/05/17 9:24 am
Last edit: 11/21/17 1:47 pm
Changes proposed by: donnalh

Catalog Pages Using this Program

Mathematics - BA

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>
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</tbody>
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Academic level: Undergraduate

Effective Term: 2018-2019

Department: Mathematics

College: Science

Program type: Degree

Degree designation: BA - Bachelor of Arts

With a major in: Mathematics (MATH)

Catalog Program Title
Mathematics - BA

CIP and Fund code: 27010100

Rationale for Proposal

*Adding ENGL 103 as an acceptable Communication Requirement will assist students who have earned credit for ENGL 1301.

*ATMO 201/ATMO 202, CHEM 107/CHEM 117, GEOL 101/102, OCNG 251/252 and PHYS 208 have been approved by Undergraduate Studies Committee as eligible to satisfy the Life and Physical Sciences Core Requirement. Adding ATMO 201/ATMO 202, GEOL 101/102 and OCNG 251/252 as an option for 4 credits will allow students more flexibility in their degree plans.

*The CHEM 107/117 and CHEM 108/118 sequences no longer satisfy the Life and Physical Sciences core requirement.*To correct error in the BA MATH degree evaluation in Howdy due to BIOL 113 and BIOL 114 being removed from this degree plan in the 2006 Undergraduate Catalog.*The course description of STAT 414 is being changed, resulting in MATH 411 and STAT 414 being too similar in content to allow credit for both courses.*The course content description of MATH 220 417, 427 and CSCE 222/ECEN 222 442 are too similar in content to allow credit both for more than one of the three courses.

*The course content description of STAT 414 is being changed, resulting in MATH 220 441 and CSCE 222 is STAT 414 being too similar in content to include CSCE 222 as an acceptable CSCE elective, allow credit for both courses. As CSCE 285, 289, and 291 are directed studies/research courses, they are not acceptable for CSCE elective credit.

*The ISEN Department renumbered ISEN 430 to ISEN 370 and no longer offers ISEN 459, so the range of acceptable ISEN electives needs to be altered. Also, ISEN 401 entry is no longer needed since ISEN changed to ISEN and ISEN 404 is in the new listed range.*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 Electives to assist students with the new Financial Aid regulations.

*The Undergraduate Studies Committee wanted ISEN Department renumbered ISEN 420 to specifically list ISEN 320 and no longer offers ISEN 459. the acceptable STAT electives as the range of STAT 404 - 482. acceptable ISEN electives needs to be altered. This range of courses should also be included in Major GPR calculations.*For the purpose of consistency across all undergraduate degree evaluations, the Mathematics Core Requirement area is being added and Major Coursework area is being reduced by 6 credit hours.*To make the CSCE elective choices consistent with the other degree plans by setting the range of

In Workflow

1. MATH Department Head
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. 11/09/17 9:44 am Emil Straube (e- straube): Approved for MATH Department Head
2. 11/09/17 1:27 pm Angel Mario Carrizales (carri124): Approved for Curricular Services Review
3. 11/10/17 1:44 pm Sara Thigpin (sarahthigpin): Approved for SC Committee Preparer UG
4. 11/10/17 3:02 pm Lucas Macri (lmacri): Approved for SC Committee Chair UG
5. 11/10/17 3:25 pm Lucas Macri (lmacri): Approved for SC College Dean UG
6. 11/13/17 4:56 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 12/05/17 11:20 am Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Feb 23, 2017 by Donna Hoffman (donnalh)
2. Apr 5, 2017 by Angela Allenworth (arankin)
### Catalog Program Requirements

**Plan of Study Grid**

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Total Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>ENGL 104 - Composition and Rhetoric</td>
<td>MATH 171 - Analytic Geometry and Calculus</td>
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<tr>
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<td>or ENGL 103 - Introduction to Rhetoric and Composition</td>
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<td>Select one of the following:</td>
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<td></td>
<td>American History</td>
<td>Government/Political science</td>
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<tr>
<td></td>
<td>BIOL 111 - Introductory Biology I</td>
<td>BIOL 112 - Introductory Biology II</td>
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<tr>
<td></td>
<td>CHEM 101 - Fundamentals of Chemistry I</td>
<td>CHEM 102 - Fundamentals of Chemistry II</td>
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<td>Second</td>
<td>ASTR 111 - Overview of Modern Astronomy</td>
<td>ASTR 111 - Overview of Modern Astronomy</td>
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<td>Elective hours 2</td>
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<td>CSCE 110 - Programming I</td>
<td>CSCE 111 - Programming I</td>
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<td>CSCE 121 - Introduction to Program Design and Concepts</td>
<td>CSCE 121 - Introduction to Computer Science Concepts and Programming</td>
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**Second Year**

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<tr>
<th>Fall</th>
<th>MATH 220 - Foundations of Mathematics</th>
<th>MATH 221 - Several Variable Calculus</th>
<th>STAT 211 - Principles of Statistics I</th>
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<td>American History</td>
<td>Management</td>
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Government/Political science
Language, philosophy and culture 3
Semester Credit Hours 16

Spring
MATH 308 Differential Equations 3
MATH 323 Linear Algebra 3
Select one of the following:

American History
Government/Political science
Select one of the following:
COMM 203 Public Speaking 3
COMM 205 Communication for Technical Professions
COMM 243 Argumentation and Debate
Minor elective 4 3
Semester Credit Hours 15

Third Year
Fall
MATH 409 Advanced Calculus I 3
PHYS 238 Mechanics 4
Elective hours 5 3
Minor elective 4 3
Semester Credit Hours 13

Spring
Select one of the following:
MATH 415 Modern Algebra I
MATH 423 Linear Algebra II
MATH 433 Applied Algebra
MATH elective 6 3
Minor electives 4 6
Elective hours 5 3
Semester Credit Hours 15

Fourth Year
Fall
MATH elective 6 3
Select one of the following: 7
Creative Arts
Social and behavioral sciences
Elective hours 2 3
Minor elective 4 3
Semester Credit Hours 15

Spring
MATH elective 5 3
Select one of the following: 7
Creative arts
Social and behavioral sciences
Elective hours 2 6
Minor elective 4 3
Semester Credit Hours 15
Total Semester Credit Hours 120

1 Select 4 hours from: ASTR 111, BIOL 111, BIOL 112, CHEM 103/CHEM 111, CHEM 102/CHEM 112, CHEM 107/CHEM 117, PHYS 208. The remaining 4 hours may be selected from: ASTR 111, ATMO 201/ATMO 202, BIOL 111, BIOL 112, CHEM 103/CHEM 111, CHEM 102/CHEM 112, CHEM 107/CHEM 117, GEOG 101/GEOG 102, GEOG 251/FOCS 252, PHYS 208.
2 MATH 170 is highly recommended for math majors co-enrolled in MATH 150, MATH 151, MATH 152, MATH 171 or MATH 172.
3 Select 3 hours from any 200-400 level Language, philosophy and culture course.
4 A 15-18-hour minor field of study should be chosen in conference with a departmental advisor.
5 Six hours of courses must be in the area of international and cultural diversity. These may be in addition to other 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. Students desiring teacher certification should consult the requirements for certification before registering for electives.
6 Remaining 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, ENSN 101, KINE 109, LAND 101, MATH 102 - 148, MATH 151 - 166, MATH 304, 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, STAT 302, STAT 303, STLC 102; JURP 200, WFS 101).
7 Nine of the 12 hours of math elective courses are to be from any 400-, or 600-level MATH, excluding MATH 401 and MATH 601. The last three hours can be from any 400- or 600-level MATH (excluding MATH 401 or MATH 601, STAT 404 - STAT 408, CSCE 210 - CSCE 420 (excluding CSCE 222/ECEN 222, CSCE 285, CSCE 289, CSCE 291), or ISN 320 - ISN 430, excluding any 48S course in any department without permission of a departmental advisor. Students wishing to be certified must take MATH 403 and MATH 407. Students who plan to attend graduate school are encouraged to take MATH 416, MATH 447 and at least one 600-level course.
Three hours must be social and behavioral sciences and three hours must be creative arts.

Maximum of 4 hours of MATH 147, MATH 151, or MATH 171, MATH 411 or STAT 414 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 437, or CSCE 442 may be used in this degree program.

If a grade of D or F is earned in any of the following courses, MATH 151/MATH 171, MATH 152/MATH 172, MATH 221/MATH 251/MATH 253 MATH 220, MATH 323 or MATH 308, this course must be immediately retaken and a grade of C or better earned. The department will allow at most two Ds in upper-level (325-499) courses. If a third D is earned, one of the three courses in which a D was earned must be retaken and a grade of C or better earned.

**Additional Information**

*To remove CHEM 103, CHEM 104, CHEM 113 and CHEM 114 from the list of acceptable Life and Physical Sciences core requirement courses.*

*To remove BIOL 111 and BIOL 114 from the list of acceptable Life and Physical Sciences core requirement courses in the Degree Evaluation in Howdy.*

*To add ENGL 103 as an acceptable alternative to the statement.*

*Maximum of 2 hours of MATH 411 or STAT 414 may be used in this degree plan.* To ENGL 104 in the Undergraduate Catalog, First year, fall semester Catalog and the corresponding "Limitation" to the degree evaluation in Howdy degree evaluation Rule A. Howdy of the Communication.

*To add the statement, "Maximum of 2 hours of MATH 417, 427 or CSCE 442 may be used in this degree plan" to the Undergraduate Catalog and the corresponding "Limitation" to the degree evaluation in Howdy.* To change the range of acceptable ISEN electives from any 400 level ISEN to ISEN 320 - 430 in Footnote 5 due to renumbering from ISEN 420 to ISEN 320 by ISEN Department. To change the range of acceptable ISEN electives in the degree evaluation from ISEN 404, ISEN 405 - 469 to ISEN 320 - 430. To add list of excluded General Electives to Footnote 4.* To replace the listing update list of Freshman Science electives excluded General Electives in the the degree plan with Footnote 1 evaluation in the Undergraduate Catalog, Howdy. To add CHEM 107/ CHEM 117 new Mathematics Core Area to degree evaluation in Howdy and PHYS 208 as acceptable courses for the reduce Major Coursework Area by 5 credits listed in Footnote 1 and in Howdy degree evaluation Rule B. credit hours and C. of Life and Physical Sciences. To add ATMO 201/ATMO 202, GEOL 101/GEOL 102 the statement.* Maximum of 3 hours of MATH 417, 418 or CSCE 442 may be used in this degree plan" to the Undergraduate Catalog and OCNG 251/OCNG 252 as acceptable courses for the remaining 4 credits listed in Footnote 1 and the corresponding "Limitation" to the degree evaluation in Howdy degree evaluation Rule C. Howdy of Life and Physical Sciences.

*To add change the statement, "Maximum range of 3 hours of MATH 220 or CSCE 222/ECEN 222 may be used acceptable ISEN electives in this degree program" to the Undergraduate Catalog and the corresponding "Limitation" in Howdy degree evaluation. degree evaluation from ISEN 404, ISEN 405 - 459 to ISEN 320 - 430.*

*To exclude change the range of acceptable CSCE 222, 285, 289 and 291 from the range of acceptable courses to CSCE courses 210 - 470 in Footnote 6 of the Undergraduate Catalog and in Howdy degree evaluation Rule G. 5 of Major Coursework.*

*To remove MATH 150 BIOL 111 and BIOL 114 from the list of excluded General Electives acceptable Life and Physical Sciences core requirement courses in Footnote 6 of the Undergraduate Catalog and the Degree Evaluation in Howdy degree evaluation Rule A. Howdy of General Electives.*

*To change the range of acceptable STAT Math electives in Footnote 6 in the Undergraduate Catalog, Howdy degree evaluation Major Coursework Rule G of Major Coursework and Rule A. of GPR-Major. in Howdy degree evaluation to MATH 402-499.5.17 - Updated broken links.*

**Required Proposal**

[ba_math_166.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/)

[ba_math_17c.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/)

[BA-MATH.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/)

**Reviewer Comments**

Angel Mario Carrizales (carril1214) (11/02/17 4:52 pm): Rollback: Discrepancies have been identified. Initiator has been emailed with detailed comments.

Angel Mario Carrizales (carril1214) (11/07/17 4:23 pm): Rollback: Update required. Initiator has been contacted with detailed comments

Angel Mario Carrizales (carril1214) (11/21/17 1:36 pm): Update received.

Sandra Williams (sandra-williams) (12/05/17 11:20 am): UCC approved in December.

**Program Reviewer Comments**

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Sandra Williams (sandra-williams) (12/05/17 11:20 am): UCC approved in December.
Detail Requirements

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

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

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.

Program: BA MATH
Campus: College Station
College: Science
Degree: Bachelor of Arts
Level: Undergraduate
 Majors : Mathematics
 Departments: Mathematics
Catalog Term: Fall 2017 - College Station
Evaluation Term: Fall 2017 - College Station
Expected Graduation Date: Fall 2017 - College Station
Request Number: 1009
Results as of: Oct 19, 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 2.00 .00
Other Course Information
Transfer: 0.000 0

This is NOT an official evaluation.

Area: Major Coursework (31.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. MATH 221 4hrs
Must make a grade of 'C' or better.
No AND B. MATH 220 3hrs
Must make a grade of 'C' or better.
No AND C. MATH 323 3hrs
Must make a grade of 'C' or better.
No AND D. MATH 308 3hrs
Must make a grade of 'C' or better.
No AND E. MATH 409 3hrs
No AND F. Algebra 3hrs
Select from MATH 415, 423, 433.

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.

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

10/15/2017
Detail Requirements

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

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.

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This is NOT an official evaluation.

Area: Major Coursework (31.000 credits) - Not Met

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<td>D. MATH 308 3hrs</td>
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<td>No AND</td>
<td>E. MATH 409 3hrs</td>
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<td>No AND</td>
<td>F. Algebra 3hrs</td>
<td>Select from MATH 415, 423, 433.</td>
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https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption 10/19/2017
unofficial evaluation

### Area: Supporting Coursework (7.000 credits) - Not Met

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Total Credits and GPA 0.000

unofficial evaluation

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</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

### Area: Mathematics (8.000 credits) - Not Met

<table>
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<th>Condition</th>
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<th>Subject</th>
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<th>Attribute</th>
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<tr>
<td>No</td>
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<td></td>
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<td>Must make a grade of 'C' or better.</td>
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<td>No</td>
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<td>MATH 172 4hrs</td>
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<td>Must make a grade of 'C' or better.</td>
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</table>

Total Credits and GPA 0.000

unofficial evaluation

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

<table>
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<th>Attribute</th>
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<th>Courses</th>
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<tbody>
<tr>
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<td>A.</td>
<td>PHYE 218 4hrs</td>
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<tr>
<td>No</td>
<td>AND B.</td>
<td>Science Rqmt 4hrs</td>
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<td></td>
<td></td>
<td>Select from ASTR 111; BIOL 111, 112; CHEM 101; 102, 103 111.</td>
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<td></td>
<td></td>
<td>PHYS 208.</td>
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</table>

C. Science Rqmt 4 hrs
Select from ASTR 111, ATM0 201/ATMO 202, BIOL 111, BIOL 112, CHEM 101/102, 107, 201, 202, 117, GEOI 101/GEOI 102, OCCN 251/OCNC 252, PHYS 208.

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption 10/19/2017
unofficial evaluation

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

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<th>Attribute</th>
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<th>Attribute</th>
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<th>Courses</th>
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<tr>
<td>No</td>
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<td>Language, Philosophy &amp; Culture</td>
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<td>Select from any 200-499 course with the [KLPC] attribute.</td>
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Total Credits and GPA 0.000

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met

<table>
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<th>Met</th>
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<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Creative Arts Requirement 3hrs</td>
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<td>Select three hours from any course with the Creative Arts attribute [KCRA].</td>
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Total Credits and GPA 0.000

unofficial evaluation

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

<table>
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<tr>
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<td>Select from courses with the Social and Behavioral Science attribute [KSOC].</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>
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<tbody>
<tr>
<td>No</td>
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<td>Select from any course with the [K11] attribute.</td>
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<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Political Science Rqmt 6hrs</td>
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<td></td>
<td>Take POLS 206 and POLS 207.</td>
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</tbody>
</table>

Total Credits and GPA

unofficial evaluation

Area: General Electives (35.000 credits) - Not Met

<table>
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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

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

No A. General Electives 35hrs

Select any 100-499 course not used elsewhere. (except ALED 125; ASTR 109/119; BMEN 101; BUSN 100; ISEN 101; KINE 199; LAND 101; MATH 102, 148, 151, 166, 201, 304, 309, 311, 367, 368, 375, 376; PHYS 109/119, 201, 202, 205; PSYC 301; STAT 201, 301-303; STLC 102; URPN 200; WFPS 101).

Total Credits and GPA 0.000

unofficial evaluation

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

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

No A. Courses not applied

Total Credits and GPA

unofficial evaluation

Area : CLSC BA Required Minor - Not Met

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

No A. Required Minor

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

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 of MATH 100-499; RDNG 372; STAT 407; or
UGST 491 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

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 [UIUCD] (except sections of BUSN 289 with the UWRT attribute).

Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P.VerifyDispEvalViewOption 9/21/2017
### Foreign Language - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Foreign Language Rqmt</th>
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<tr>
<td></td>
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<td>Complete one of the following:</td>
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<tr>
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<td></td>
<td>1. Two years of the same foreign language in High School.</td>
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<tr>
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<td></td>
<td>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**

### 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>No</th>
<th>A.</th>
<th>Residence - Major 12hrs</th>
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<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Residence 300-499 24hrs</td>
</tr>
</tbody>
</table>

Total Credits and GPA

**unofficial evaluation**

### GPR-Major - Not Met

**Description:** A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Major GPR 39+hrs</th>
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<tr>
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<td></td>
<td>Includes MATH 151-499; STAT 211-212; CSCE 203-470; STAT 311-312; ISSE 320-499.</td>
</tr>
</tbody>
</table>

Total Credits and GPA

**unofficial evaluation**

**Back to Display Options**

**Print**
Detail Requirements

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. Maximum of 3 hours of MATH 220 or CSCE 222/ESSEN 222 may be used in this degree program. Maximum of 4 hours of CHEM 101, 107, 111 may be used in this degree program. Maximum of 4 hours of CHEM 102, 112 may be used in this degree program. Maximum of 3 hours of MATH 417, 437 or CSCE 442 may be used in this degree program. Maximum of 3 hours of MATH 411 or STAT 441 may be used in this degree program.

<table>
<thead>
<tr>
<th>Program : BS MATH</th>
<th>Catalog Term : Fall 2017 - College Station</th>
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<tr>
<td>Campus : College Station</td>
<td>Evaluation Term : Fall 2017 - College Station</td>
</tr>
<tr>
<td>College : Science</td>
<td>Expected Graduation Date :</td>
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<tr>
<td>Degree : Bachelor of Science</td>
<td>Request Number : 916</td>
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<tr>
<td>Level : Undergraduate</td>
<td>Results as of : Sep 21, 2017</td>
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<tr>
<td>Majors : Mathematics</td>
<td>Minors :</td>
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<td>Departments : Mathematics</td>
<td>Concentrations :</td>
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<tr>
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Program GPA : Yes
Overall GPA : No

This is NOT an official evaluation.

Area: Major Coursework (37.000 credits) - Not Met

<table>
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<tr>
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<th>Condition Rule</th>
<th>Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. MATH 221 4hrs</td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>B. MATH 220 3hrs</td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>C. MATH 323 3hrs</td>
<td>Must make a grade of 'C' or better.</td>
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<td>No AND</td>
<td>D. MATH 308 3hrs</td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>E. MATH 409 3hrs</td>
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<td>No AND</td>
<td>F. MATH 415 3hrs</td>
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<tr>
<td>No AND</td>
<td>G. Principles of Analysis 3hrs</td>
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</tbody>
</table>

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

Donna Hoffman
Sep 21, 2017 03:33 pm

Viewing: Degree Evaluation (DEGEVAL, Email)
Change Student
Detail Requirements

Select from MATH 410, 416.

H. Math Elective 12hrs
Select from the following:
1. 3 hours must be selected from MATH 427, 431, 436, 439.
2. 9 hours must be selected from MATH 325, 407-499.

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

A. Computer Science Rqmt 4hrs
Select from CSCE 110, 111, 121, 206.

B. MATH 411 or STAT 414

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

A. ENGL 104 or 103 3hrs

B. Communication Rqmt 3hrs
Select from COMM 203, 205, or 243.

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

A. MATH 171 4hrs
Must make a grade of 'C' or better.

B. MATH 172 4hrs
Must make a grade of 'C' or better.

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

A. PHYS 218 4hrs

B. Science Rqmt 4hrs
Select from OCNG 451; PHYS 208.

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption 9/21/2017
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. | Language, Philosophy & Culture | Select from any 200-499 course with the [KLPC] attribute. | | | | | | | | | | | |

Total Credits and GPA 0.000

unofficial evaluation

**Area : Creative Arts ( 3.000 credits ) - Not Met**

**Met**  |  Condition Rule  | Subject  | Attribute  | Low  | High  | Required  | Required  | Term Subject  | Course  | Title  | Attribute  | Credits  | Courses  
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---  
No | A. | Creative Arts Requirement 3hrs | Select three hours from any course with the Creative Arts attribute [KCRA]. | | | | | | | | | | | |

Total Credits and GPA 0.000

unofficial evaluation

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

**Met**  |  Condition Rule  | Subject  | Attribute  | Low  | High  | Required  | Required  | Term Subject  | Course  | Title  | Attribute  | Credits  | Courses  
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---  
No | A. | Social Science Rqmt 3hrs | Select from courses with the Social and Behavioral Science attribute [KSCSC]. | | | | | | | | | | | |

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.

**Met**  |  Condition Rule  | Subject  | Attribute  | Low  | High  | Required  | Required  | Term Subject  | Course  | Title  | Attribute  | Credits  | Courses  
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---  
No | A. | American History Rqmt 6hrs | Select from any course with the [KHS] attribute. | | | | | | | | | | | |

No AND B. Political Science Rqmt 6hrs

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

Area: General Electives (15.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
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<th>Attribute</th>
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<th>High</th>
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<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No A.</td>
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<td></td>
<td>General Electives 15hrs</td>
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<td>Select any 100-499 course not used elsewhere. (except ALED 125; ASTR 105/115; BMEN 101; BUSN 100; ISEN 191; KINE 399; LAND 101; MATH 101, 102, 309, 311, 367-368, 375-376; PHYS 109/119, 201, 202, 205; PSYC 301; STAT 201, 225, 301-303; STLC 102, URPN 200, WFSO 101)</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>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A.</td>
<td></td>
<td></td>
<td>Courses not applied</td>
<td></td>
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</tbody>
</table>

Total Credits and GPA

unofficial evaluation

Area: University Writing Requirement - Not Met

<table>
<thead>
<tr>
<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</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A.</td>
<td></td>
<td></td>
<td>Writing Requirement</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Two courses required. Only sections of MATH 100-499; STAT 407; or UGST 491 with the Writing attribute [UWRT] or the Oral Communication attribute [UCRT] may be used to satisfy this requirement.</td>
<td></td>
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</table>

Total Credits and GPA 0.000

unofficial evaluation

Area: Int'l & Cult Diversity - Not Met

<table>
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<tr>
<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</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A.</td>
<td></td>
<td></td>
<td>Int'l &amp; Cultural Diversity 6hrs</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td>Selected from courses with the International and Cultural Diversity attribute [UCID] (except sections of BUSN 289 with the UWRT attribute).</td>
<td></td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption  9/21/2017
### Area: Foreign Language - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A.</td>
<td>Foreign Language Reqmt</td>
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<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Residence - Major 12hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Residence 300-499 24hrs</td>
</tr>
</tbody>
</table>

Total Credits and GPA

unofficial evaluation

### Area: GPR-Major - No Met

**Description:** A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Major GPR 48+hrs</th>
</tr>
</thead>
</table>

Includes MATH 151-499; STAT 401-483.

Total Credits and GPA

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9/21/2017