

# Program Change Request

Date Submitted: 11/12/18 9:53 am

Viewing: **BS-APMS-STA : Applied Mathematical Sciences - BS, Statistics Emphasis**

Last approved: 03/19/18 5:07 pm

Last edit: 11/12/18 11:56 am

Changes proposed by: donnalh

## 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

Catalog Pages Using this Program [Applied Mathematical Sciences - BS, Statistics Emphasis](#)

## Contact(s)

Name	E-mail	Phone
Donna Hoffman	donnalh@tamu.edu	979-862-4306

Academic level Undergraduate

Effective Term 2019-2020

Department Mathematics

College Science

Program type Degree w/Concentration

Degree designation BS - Bachelor of Science

With a major in Applied Mathematical Sciences (APMS)

Associated Program **Not Applicable**

With a concentration in Statistics Option (STA)

## Catalog Program Title

Applied Mathematical Sciences - BS, Statistics Emphasis

## CIP and Fund code

27030100

## Rationale for Proposal

1. To comply with new course numbers established by the Chemistry Department.
2. To comply with new course number established by the Academic Success Center.
3. To comply with new course numbers established by the Physics Department.
4. To comply with new course numbers established by the Physics Department.
5. To be in compliance with the new Core Curriculum requirement for Cultural Discourse.
6. ~~\*Footnote pertaining to HIST 105 and 106 is no longer needed since all courses with the [KHIS] attribute have been approved by Undergraduate Studies Committee as eligible to satisfy the Citizenship Core Requirement.~~~~The~~ ~~\*The~~ course content of **CHEM 119 MATH 220** and **CHEM 107/CHEM 117 CSCE 222/ECEN 222** is too similar to allow credit for both courses.
7. There is no longer other courses equivalent to **CHEM 102/CHEM 112**, so the Limitation is no longer needed.
8. This course is foundational and fundamental to virtually all upper level coursework in our degrees and as such, we are moving this course to a number that will more accurately reflect its inherent maturity level, and to stress the course's importance and pivotal role within our degree programs.
9. To bring the Undergraduate Catalog into agreement with Howdy Degree Evaluation. ~~\*To make the range of acceptable~~ ~~\*ATMO 201/ATMO 202, CHEM 107/CHEM 117, GEOL 101/GEOL 102, and OCNG 251/OCNG 252 have been approved by Undergraduate Studies Committee as eligible to satisfy the Freshman Science requirement.~~ Adding **ATMO 201/ATMO 202, GEOL 101/GEOL 102 and OCNG 251/OCNG 252** as an option for 4 credits will allow students more flexibility in their degree plans. ~~\*Adding ENGL 102 as an acceptable Communication Requirement will assist students who have earned credit for ENGL~~

## Approval Path

1. 11/07/18 4:42 pm  
Emil Straube (e-straube): Approved for MATH Department Head
2. 11/09/18 2:28 pm  
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 11/12/18 10:17 am  
Emil Straube (e-straube): Approved for MATH Department Head
4. 11/12/18 11:56 am  
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 11/12/18 2:04 pm  
Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
6. 11/12/18 4:53 pm  
Lucas Macri (lmacri): Approved for SC Committee Chair UG
7. 11/12/18 4:55 pm  
Lucas Macri (lmacri): Approved for SC College Dean UG
8. 11/14/18 10:50 am  
Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 12/10/18 10:54 am  
Terra Bissett (t.bissett): Approved for UCC Chair

~~1301.\*The course content of MATH 220 and CSCE 222 is too similar to include CSCE 222 as an acceptable CSCE elective.As CSCE 285, 289, and 291 are directed studies/research courses, they are not acceptable for CSCE elective credit.STAT 415 courses consistent across all degree plans, the range was erroneously omitted changed from the Undergraduate Catalog during the conversion STAT 400-499 to the CARS system. STAT 404-482-STAT 415 was listed in the archived Undergraduate Catalogs as an acceptable course for this degree plan. This range was also changed in Howdy degree evaluation Rule A.of GPR Major to maintain consistency.\*Removing MATH 150 from the ineligible General Elective list will assist students with the new Financial Aid regulations.~~

### History

1. Mar 6, 2017 by Donna Hoffman (donnalh)
2. Oct 13, 2017 by Donna Hoffman (donnalh)
3. Mar 19, 2018 by Donna Hoffman (donnalh)

Program hours	120
Is this program eligible for financial aid?	No
Will program hours change (increase/decrease) due to the proposed curriculum changes?	No
Program delivery mode	On-campus

## Catalog Program Requirements

### Plan of Study Grid

First Year		Semester Credit Hours
Fall		
<a href="#">ENGL 104</a>	Composition and Rhetoric	3
or <a href="#">ENGL 103</a>	or Introduction to Rhetoric and Composition	
<a href="#">MATH 171</a>	Analytic Geometry and Calculus	4
Select one of the following:		4
<a href="#">CSCE 110</a>	Programming I	
<a href="#">CSCE 111</a>	Introduction to Computer Science Concepts and Programming	
<a href="#">CSCE 121</a>	Introduction to Program Design and Concepts	
<a href="#">CSCE 206</a>	Structured Programming in C	
Freshman Science elective 1		4
Elective hours 2		1
	Semester Credit Hours	16
Spring		
<a href="#">MATH 172</a>	Calculus	4
Select one of the following:		4
<a href="#">CSCE 110</a>	Programming I	
<a href="#">CSCE 111</a>	Introduction to Computer Science Concepts and Programming	
<a href="#">CSCE 121</a>	Introduction to Program Design and Concepts	
<a href="#">CSCE 206</a>	Structured Programming in C	
<a href="#">American history</a>		3
Freshman Science elective 1		4
Elective hours 2		1
	Semester Credit Hours	16
Second Year		
Fall		
<a href="#">ECON 202</a>	Principles of Economics	3
or <a href="#">ECON 203</a>	or Principles of Economics	
<del><a href="#">MATH 220</a></del>	<del>Foundations of Mathematics</del>	<del>3</del>
<a href="#">MATH 221</a>	Several Variable Calculus	4
<a href="#">MATH 300</a>	<b>Foundations of Mathematics</b>	<b>3</b>
<a href="#">STAT 211</a>	Principles of Statistics I	3
<a href="#">American history</a>		3
	Semester Credit Hours	16
Spring		
<a href="#">MATH 308</a>	Differential Equations	3
<a href="#">MATH 323</a>	Linear Algebra	3
<a href="#">POLS 206</a>	American National Government	3
<a href="#">STAT 212</a>	Principles of Statistics II	3
<a href="#">Language, philosophy and culture 3</a>		3
	Semester Credit Hours	15
Third Year		

Fall		
<a href="#">MATH 409</a>	Advanced Calculus I	3
<a href="#">MATH 411</a>	Mathematical Probability	3
or <a href="#">STAT 414</a>	or Mathematical Statistics I	
<del><a href="#">STAT 414</a></del>	<del>Mathematical Statistics I</del>	-
<a href="#">STAT 404</a>	Statistical Computing	3
<a href="#">PHYS 206</a>	<b>Newtonian Mechanics for Engineering and Science</b>	<b>4</b>
& <a href="#">PHYS 226</a>	<b>and Physics of Motion Laboratory for the Sciences</b>	
<a href="#">POLS 207</a>	State and Local Government	3
<del><a href="#">PHYS 218</a></del>	<del>Mechanics</del>	<del>4</del>
Select one of the following:		3
	Semester Credit Hours	16
Spring		
<a href="#">ISEN 320</a>	Operations Research I	3
or <a href="#">ISEN 340</a>	or Operations Research II	
<a href="#">MATH 417</a>	Numerical Methods	4
or <a href="#">MATH 437</a>	or Principles of Numerical Analysis	
<a href="#">STAT 408</a>	Introduction to Linear Models	3
<del><a href="#">PHYS 208</a></del>	<del>Electricity and Optics</del>	<del>4</del>
or <del><a href="#">OCNG 451</a></del>	or <del>Mathematical Modeling of Ocean Climate</del>	
Select one of the following:		4
<a href="#">OCNG 451</a>	<b>Mathematical Modeling of Ocean Climate</b>	
<a href="#">PHYS 207</a>	<b>Electricity and Magnetism for Engineering and Science</b>	
& <a href="#">PHYS 227</a>	<b>and Electricity and Magnetism Laboratory for the Sciences</b>	
	Semester Credit Hours	14
Fourth Year		
Fall		
Select one of the following:		3
<a href="#">COMM 203</a>	Public Speaking	
<a href="#">COMM 205</a>	Communication for Technical Professions	
<a href="#">COMM 243</a>	Argumentation and Debate	
Select six hours from the following:		6
<a href="#">MATH 325</a>	The Mathematics of Interest	
<a href="#">MATH 407-MATH 499</a>		
<a href="#">STAT 415</a>	<b>Mathematical Statistics II</b>	
<a href="#">STAT 485</a>	Directed Studies	
<a href="#">STAT 489</a>	Special Topics in...	
<a href="#">Creative Arts</a>		3
	Semester Credit Hours	12
Spring		
Select six hours from the following:		6
<a href="#">CSCE 210 - CSCE 470</a>	4	
<a href="#">ISEN 320 - ISEN 499</a>		
<a href="#">STAT 404 - STAT 482</a>		
Elective hours 5		9
	Semester Credit Hours	15
	Total Semester Credit Hours	120

1 Select 4 hours from: [ASTR 111](#), [BIOL 111](#), [BIOL 112](#), [CHEM 119](#), [CHEM 120](#), [CHEM 107/CHEM 117](#). The remaining 4 hours may be selected from:

[ASTR 111](#), [ATMO 201/ATMO 202](#), [BIOL 111](#), [BIOL 112](#), [CHEM 119](#), [CHEM 120](#), [CHEM 107/CHEM 117](#), [GEOL 101/GEOL 102](#), [OCNG 251/OCNG 252](#).

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 course.

4 Except [CSCE 222/ECEN 222](#), [CSCE 285](#), [CSCE 289](#), [CSCE 291](#).

5 Three (3) elective hours must be chosen from the area of [International and Cultural Diversity](#) and three (3) hours must be chosen from the area of [Cultural Discourse](#).

These may be in addition to [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. Remaining electives may be selected from any

100-499 course not used elsewhere, (except [ALED 125](#); [ASCC 102](#); [ASTR 109/PHYS 109](#), [ASTR 119/PHYS 119](#); [BMEN 101](#); [BUSN 100](#); [ISEN 101](#); [KINE 199](#); [LAND 101](#);

[MATH 102-148](#), [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 - 303](#); [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 300](#), ~~[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.

**Maximum of 4 hours of [CHEM 119](#), [CHEM 107/CHEM 117](#) 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 300](#), [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 D's 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	<p>Description of changes:</p> <ol style="list-style-type: none"> <li><del>To delete the Footnote pertaining to HIST 105 and 106 being recommended. To add the statement, "Maximum of 3 hours of MATH 220 or CSCE 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and the corresponding "Limitation" in Howdy degree evaluation. To replace the listing of Freshman Science electives in the degree plan with Footnote 1 in the Undergraduate Catalog. To change the add CHEM 107/CHEM 117 as an acceptable course number of CHEM 101/111 to CHEM 119 for the 8 credits listed in Footnote 1 and CHEM 102/112 to CHEM 120 in Footnote 1. in Howdy degree evaluation Rule C. and Rule B. D. of Supporting Coursework and Rule C. A. of of Life and Physical Sciences in Howdy Degree Evaluation. Sciences.</del></li> <li><del>To change To replace the course number listing of STLC 102 to ASCC 102 Freshman Science electives in the degree plan with Footnote 5. 1 in the Undergraduate Catalog, and Rule A. of General Electives in Howdy Degree Evaluation. Electives.</del></li> <li><del>To add ATMO 201/ATMO 202, GEOL 101/GEOL 102 and OCNG 251/OCNG 252 as acceptable courses for the remaining 4 credits listed in Footnote 1 and in Howdy degree evaluation Rule D. of Life and Physical Sciences. To add ENGL 103 as an acceptable alternative to ENGL 104 in the Undergraduate Catalog, First Year, fall semester and in Howdy degree evaluation Rule A. of the Communication. To change To exclude CSCE 222, 285, 289 and 291 from the course number range of PHYS 218 to PHYS206/PHYS226 acceptable CSCE courses in Third Year Fall Semester and Footnote 4 of the Undergraduate Catalog and in Howdy degree evaluation Rule A. F. of Life and Physical Sciences in Howdy Degree Evaluation. Sciences.</del></li> <li><del>of Supporting Coursework. To change the course number range of PHYS 208 acceptable STAT courses to PHYS 207/PHYS 227 STAT 404 —STAT 482 in Third Year Spring Semester the Undergraduate Catalog, Fourth Year, spring semester and in Howdy degree evaluation Rule D. F. of Life and Physical Sciences in Howdy Degree Evaluation.</del></li> <li><del>To change the wording in Footnote 5. to reflect the new requirement of 3 hrs of Cultural Discourse. the Communication. To change Rule A. of International Cultural Diversity to 3 hrs and add Rule B. of Cultural Discourse for 3 hrs in Howdy Degree Evaluation.</del></li> <li><del>To add the statement, "Maximum of 4 3-hours of CHEM 119, CHEM 107/CHEM 117 MATH 220 or CSCE 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and update the corresponding Limitation "Limitation" in Howdy Degree Evaluation. degree evaluation.</del></li> <li><del>of Supporting Coursework and Rule A. of GPR Major. To remove the Limitation, "Maximum MATH 150 from list of 4 hours excluded General Electives in Footnote 5 of CHEM 102, 112 may be used in this the Undergraduate Catalog and Howdy degree program" in Howdy Degree Evaluation. evaluation Rule A.</del></li> <li><del>To change MATH 220 To add ENGL 103 as an acceptable alternative to MATH 300 ENGL 104 in Second Year Fall Semester, the statement, "Maximum of 3 hours of MATH 300 or CSCE 222/ECEN 222 may be used Undergraduate Catalog, First Year, fall semester and in this Howdy degree program" and in the Departmental GPR Requirements in the Undergraduate Catalog. evaluation Rule A. To change MATH 220 to MATH 300 in Rule B. of Major Coursework and the corresponding Limitation in Howdy Degree Evaluation.</del></li> <li><del>To add STAT 415 to the list of acceptable courses in the Fourth Year Fall Semester in the Undergraduate Catalog. of General Electives.</del></li> </ol>
Required Proposal Forms	<p><a href="#">bs_apms_sta_17c.pdf</a>  <a href="#">BS-APMS-STA.pdf</a>  <a href="#">012218PresidentApprovalMemo.pdf</a>  <a href="#">bs_apms_sta.pdf</a></p>
Reviewer Comments	<p>Angel Mario Carrizales (carri1214) (11/09/18 2:28 pm): Rollback: Supporting Coursework Rule E list STAT 415 as an option to meet the requirement, however, STAT 415 is not listed in the catalog (Fourth year, Fall.) Can STAT 415 be used to meet the degree requirements?</p> <p>Angel Mario Carrizales (carri1214) (11/12/18 11:56 am): Initial concerns addressed.</p> <p>Terra Bissett (t.bissett) (12/10/18 10:54 am): UCC approved December 2018.</p>



- 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 409 3hrs
- No AND E. MATH 417 or 437 4hrs
- No AND F. MATH 308 3hrs  
Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

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**Area Supporting Coursework ( 38.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	MATH 411 or STAT 414												
No	AND	B.	STAT 404 3hrs												
No	AND	C.	STAT 408												
No	AND	D.	ISEN Rqmt 3hrs												
			Select from ISEN 320, 340.												
No	AND	E.	MATH/STAT Rqmt 6hrs												
			Select from MATH 325, 407-499; STAT 415, 485, 489.												
No	AND	F.	MATH/STAT/ENGR Rqmt 6hrs												
			Select from CSCE 210-470 (except 222, 285, 289, 291); ISEN 320-499; MATH 325, 407-499; STAT 404-482.												
No	AND	G.	STAT 211												
No	AND	H.	STAT 212												
No	AND	I.	CSCE Rqmt 8 hrs												
			Select from CSCE 110, 111, 121, or 206												

Total Credits and GPA 0.000 .00

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**Area Communication ( 6.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	ENGL 103 or ENGL 104 3hrs												
No	AND	B.	Communication Rqmt 3hrs												
			Select from COMM 203, 205 or 243.												

Total Credits and GPA 0.000 .00

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**Area Mathematics ( 8.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	MATH 171 4hrs												
			Must make a grade of 'C' or better.												
No	AND	B.	MATH 172 4hrs												
			Must make a grade of 'C' or better.												

Total Credits and GPA 0.000 .00

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**Area Life and Physical Sciences ( 16.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source	
No				A. PHYS 206/226			4hrs										
No	AND			B. Science Rqmt			4 hrs										
				Select from ASTR 111; BIOL 111, BIOL 112; CHEM 119, 120, 107/ 117.													
No	AND			C. Science Rqmt II			4hrs										
				Select from ASTR 111; ATMO 201/202; BIOL 111, 112; CHEM 119, 120, 107/117; GEOL 101/102; OCNG 251/252.													
No	AND			D. Science Rqmt III			4 hrs										
				Select from OCNG 451 or PHYS 207/227													
														Total Credits and	GPA	0.000	.00

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

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source	
No		A.	Language, Philosophy & Culture														
													Select from any 200-499 course with the [KLPC] attribute.				
														Total Credits and	GPA	0.000	.00

unofficial evaluation

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

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source	
No		A.	Creative Arts Requirement				3 hrs										
													Select three hours from any course with the Creative Arts attribute [KCRA].				
														Total Credits and	GPA	0.000	.00

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

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source	
No		A.	Economics Rqmt				3 hrs										
													Select from ECON 202, 203.				
														Total Credits and	GPA	0.000	.00

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**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 Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source	
No		A.	American History Rqmt				6 hrs										
													Select from any course with the [KHIS] attribute.				
No	AND	B.	Political Science Rqmt				6 hrs										
													Take POLS 206 and POLS 207.				
														Total Credits and	GPA	0.000	.00

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**Area General Electives ( 11.000 credits ) - Not Met**

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

No A. General Electives 11 hrs  
 Select from 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, 304, 309, 311, 367, 368, 375, 376; PHYS 109, 119, 201, 202, 205; PSYC 301; STAT 201, 301-303; ~~STLC 102~~; URPN 200; WFSC 101.)

*ASCC 102;*

Total Credits and GPA 0.000 .00

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**Area : Work Not Applied - Met**

**Description** See advisor for acceptable substitutions.

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

No A. Courses not applied

Total Credits and GPA 0.000 .00

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**Area University Writing Requirement - Not Met**

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

No A. Writing Requirement  
 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.

Total Credits and GPA 0.000 .00

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**Area Int'l & Cult Diversity - Not Met**

*Cultural Discourse*

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

No A. Int'l & Cultural Diversity <sup>3</sup> 6 hr  
 Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).

*B. Cultural Discourse 3 hrs*

Total Credits and GPA 0.000 .00

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**Area Foreign Language - Not Met**

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

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 .00

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**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.

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.				Residence - Major 12hrs							
No	AND	B.				Residence 300-499 24hrs							
						Includes any 300-499 course taken in residence at Texas A&M University.							
<b>Total Credits and GPA</b>											0.000	.00	

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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 Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.				Major GPR 52+hrs							
						Includes MATH 151-499; STAT 211-212; STAT 404-482; CPSC 203-489; ISEN 411-489.							
<b>Total Credits and GPA</b>											0.000	.00	

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