

# Program Change Request

Date Submitted: 11/07/18 3:44 pm

Viewing: **BS-USSC-MPP\* : University Studies - BS, Mathematics for Pre-Professionals Concentration**

Last approved: 03/20/18 5:42 pm

Last edit: 11/09/18 4:04 pm

Changes proposed by: donnalh

Catalog Pages Using this Program [University Studies - BS, Mathematics for Pre-Professionals Concentration](#)

## In Workflow

1. CLSC Department Head UG
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

## Contact(s)

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

Academic level Undergraduate

Effective Term 2019-2020

Department College of Science

College Science

Program type Degree w/Concentration

Degree designation BS - Bachelor of Science

With a major in University Studies - USSC (USSC)

Associated Program **Not Applicable**

With a concentration in Mathematics for Pre-Prof-USSC (MPP\*)

Catalog Program Title University Studies - BS, Mathematics for Pre-Professionals Concentration

CIP and Fund code 30999931

## Approval Path

1. 11/07/18 5:03 pm  
Lucas Macri (lmacri): Approved for CLSC Department Head UG
2. 11/09/18 4:57 pm  
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
3. 11/12/18 2:04 pm  
Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
4. 11/12/18 4:53 pm  
Lucas Macri (lmacri): Approved for SC Committee Chair UG
5. 11/12/18 4:54 pm  
Lucas Macri (lmacri): Approved for SC College Dean UG
6. 11/14/18 10:50 am  
Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 12/10/18 10:36 am  
Terra Bissett (t.bissett): Approved for UCC Chair

## Rationale for Proposal

1. To comply with new course number established by the Academic Success Center.
2. ~~\*The course content of MATH 220 and CSCI 222/ECEN 222 is too similar to allow credit for both courses.\*Adding ENGL 103 as an acceptable Communication Requirement will assist students who have earned credit for ENGL 1301.\*Removing MATH 150 from the ineligible General Elective list will assist students with the new Financial Aid regulations.~~ **To be in compliance with \*With the Core Curriculum requirement for ICD and development of the new Core Curriculum requirement for Cultural Discourse, undergraduate program in Statistics, new upper-level Statistics courses have been created that should be included in Major-GPR calculations.**
3. ~~The \*The course content of CHEM 119 MATH 220 and CHEM 107/CHEM 117 CSCI 222/ECEN 222 is too similar to allow credit for both courses.~~
4. **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.**

Program hours 120

Is this program eligible for financial aid? No

## History

1. Mar 9, 2017 by Donna Hoffman (donnalh)
2. Oct 13, 2017 by Donna Hoffman (donnalh)
3. Mar 20, 2018 by Donna Hoffman (donnalh)

Will program hours change (increase/decrease) due to the proposed curriculum changes? No

Program delivery mode On-campus

## Catalog Program Requirements

Code	Title	Semester Credit Hours
<a href="#">MATH 220</a>	<a href="#">Foundations of Mathematics 1</a>	3
<a href="#">MATH 251</a>	Engineering Mathematics III 1	3
<a href="#">MATH 300</a>	<a href="#">Foundations of Mathematics</a>	3
<a href="#">MATH 304</a>	Linear Algebra 1	3
or <a href="#">MATH 323</a>	or Linear Algebra	
<a href="#">MATH 308</a>	Differential Equations 1	3
<a href="#">MATH 409</a>	Advanced Calculus I	3
<a href="#">MATH 415</a>	Modern Algebra I	3
<a href="#">STAT 414</a>	Mathematical Statistics I	3
or <a href="#">MATH 411</a>	or Mathematical Probability	
<a href="#">MATH 407 - MATH 499 2</a>		3
University and College Requirements		
<a href="#">ENGL 103</a>	Introduction to Rhetoric and Composition	3
or <a href="#">ENGL 104</a>	or Composition and Rhetoric	
<a href="#">POLS 206</a>	American National Government 3	3
<a href="#">POLS 207</a>	State and Local Government 3	3
Communication		3
Select one of the following:		
<a href="#">COMM 203</a>	Public Speaking	
<a href="#">COMM 205</a>	Communication for Technical Professions	
<a href="#">COMM 243</a>	Argumentation and Debate	
Mathematics		
Select one of the following:		
<a href="#">MATH 147</a>	Calculus I for Biological Sciences 1	4
<a href="#">MATH 151</a>	Engineering Mathematics I 1	
<a href="#">MATH 171</a>	Analytic Geometry and Calculus 1	
Select one of the following:		
<a href="#">MATH 148</a>	Calculus II for Biological Sciences 1	4
<a href="#">MATH 152</a>	Engineering Mathematics II 1	
<a href="#">MATH 172</a>	Calculus 1	
<a href="#">American history</a>		6
<a href="#">Creative arts</a>		3
<a href="#">Language, philosophy and culture 4</a>		3
<a href="#">Life and physical sciences</a>		9
<a href="#">Social and behavioral sciences</a>		3
Minor 1		15-18
Minor 2		15-18
General Electives 5		16-22
Total Semester Credit Hours		120

1 Must make a grade of 'C' or better.

2 [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 Select 3 hours from any 200-499 level course.

5 Three hours of courses must be in the area of [International and Cultural Diversity](#) and three hours of courses must be in 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. 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 [CSC 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.**

Additional information	<p>Description of changes:</p> <ol style="list-style-type: none"> <li>1. <b>To change the course number of STLC 102 to ASCC 102 in Footnote 5. and Rule A. of Howdy Degree Evaluation.</b></li> <li>2. <b>To add the wording in Footnote 5. <del>*To add the statement, "Maximum of 3 hours of MATH 220 or CSC 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and the corresponding "Limitation" in Howdy degree evaluation. *To add ENGL 103 as an acceptable alternative to ENGL 104 in the Undergraduate Catalog under University and College Requirements and in Howdy degree evaluation Rule A. of the Communication. to reflect the requirement</del> <del>*To remove MATH 150 from list of 3 hrs excluded General Electives in Footnote 5 of ICD the Undergraduate Catalog and the new requirement of 3 hours of Cultural Discourse and add link to the Catalog page listing ICD courses. Howdy degree evaluation Rule A.</del> <del>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></b></li> <li>3. <b>To <del>*To add the statement, "Maximum of 4 3-hours of CHEM 119, CHEM 107/CHEM 117 MATH 220 or CSC 222/ECEN 222 may be used in this degree program" to the Undergraduate Catalog and the corresponding Limitation to "Limitation" in Howdy Degree Evaluation. degree evaluation-</del></b></li> <li>4. <b><del>of General Electives. To</del> <del>*To change MATH 220 to MATH 300 in the Concentration Field range of Study, and the statement, "Maximum of 3 hours of MATH 300 or CSC 222/ECEN 222 may be used in this acceptable STAT courses to STAT 404 — STAT 482 in Howdy degree program" in the Undergraduate Catalog. evaluation Rule A.</del> <del>To change MATH 220 to MATH 300 in Rule A. of Concentration Field of Study, Rule A. the Communication- of GPR-Major, and the corresponding Limitation in Howdy Degree Evaluation. of GPR — Major.</del></b></li> </ol>
Required Proposal Forms	<p><del>bs_ussc_mpp_17c.pdf</del>  <del>BS-USSC-MPP.pdf</del>  <del>012218PresidentApprovalMemo.pdf</del>  <a href="#">bs_ussc_mpp.pdf</a></p>
Reviewer Comments	<p>Terra Bissett (t.bissett) (12/10/18 10:36 am): UCC approved December 2018.</p>

Key: 491



No	AND	D.	MATH 409 3hrs
No	AND	E.	MATH 415 3hrs
No	AND	F.	MATH 411 or STAT 414 3hrs
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 Rqmt 3hrs Select from MATH 407-499 (except MATH 433).

Total Credits and GPA 0.000 .00

unofficial evaluation

**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 Elect				3hrs									
																Select from COMM 203, 205, or 243.

Total Credits and GPA 0.000 .00

unofficial evaluation

**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 Rqmt I				4hrs									
																Select from MATH 147, 151, 171. Must make a grade of 'C' or better.
No	AND	B.	MATH Rqmt II				4hrs									
																Select from MATH 148, 152, 172. Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Life and Physical Sciences ( 9.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Life/Physical Sciences				9hrs									
																Select 9 hours from any courses with the Life and Physical Sciences attribute [KLPS].

Total Credits and GPA 0.000 .00

unofficial evaluation

**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

unofficial evaluation

**Area Social and Behavioral Sciences ( 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.	Social Science Rqmt	3 hrs									
		Select from courses with the Social and Behavioral Science attribute [KSOC].										
										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 ( 52.000 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	52 hrs									
		Includes 30-36 hours of courses that were used to satisfy the two minor requirements and 16-22 hours of 100-499 courses 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; <del>STLE-102</del> ; UPRN 200; WFSC 101)										
										Total Credits and GPA	0.000	.00

ASCC 102;

unofficial evaluation

**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 Studies Minor Rqmt - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Required Minor												
Two university approved minors are required for this degree program. One of the two minors must be completed in a college outside of the college that provides the concentration for the student's degree. This area ensures completion of minors and will be removed once an application for degree has been submitted.															
													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 100-499 courses with the Writing attribute [UWRT] or Communication attribute [UCRT] may be used to satisfy this requirement.															
													Total Credits and GPA	0.000	.00

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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				3								
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												
Includes MATH 304, 375-376, 403, 467. Must be taken in residence at Texas A&M University.															
No	AND	B.	Residence 300-499 24hrs												
Includes any 300-499 taken in residence at Texas A&M University.															

Total Credits and GPA 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	24	+hrs										
							Includes MATH <del>220</del> <sup>300</sup> , 251, 304, 308, 323, 400-499 (except MATH 401, 403, 433); STAT 414.								
												Total Credits and <u>GPA</u>	0.000	.00	

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3

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