

Program Change Request

Date Submitted: 11/07/18 3:43 pm

Viewing: **BS-USSC-MBU* : University Studies - BS, Mathematics for Business Concentration**

Last approved: 03/20/18 5:40 pm

Last edit: 11/09/18 4:29 pm

Changes proposed by: donnalh

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

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

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 Business-USSC (MBU*)

Catalog Program Title
University Studies - BS, Mathematics for Business Concentration

CIP and Fund code
30999931

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.* Removing MATH 150 from the ineligible General Elective list will assist students with the new Financial Aid regulations.* Adding ENGL 103 as an acceptable Communication Requirement will assist students who have earned credit for ENGL 1301. 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

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 10:37 am
Terra Bissett (t.bissett): Approved for UCC Chair

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
MATH 220	Foundations of Mathematics 1	3
<u>MATH 251</u>	Engineering Mathematics III 1	3
or <u>MATH 221</u>	or Several Variable Calculus	
<u>MATH 300</u>	Foundations of Mathematics	3
<u>MATH 304</u>	Linear Algebra 1	3
or <u>MATH 323</u>	or Linear Algebra	
<u>MATH 308</u>	Differential Equations 1	3
<u>MATH 325</u>	The Mathematics of Interest	3
<u>MATH 425</u>	The Mathematics of Contingent Claims	3
<u>MATH 442</u>	Mathematical Modeling	3
or <u>STAT 408</u>	or Introduction to Linear Models	
<u>STAT 211</u>	Principles of Statistics I	3
University and College Requirements		
<u>ENGL 103</u>	Introduction to Rhetoric and Composition	3
or <u>ENGL 104</u>	or Composition and Rhetoric	
<u>POLS 206</u>	American National Government 2	3
<u>POLS 207</u>	State and Local Government 2	3
Communication		
Select one of the following:		
<u>COMM 203</u>	Public Speaking	
<u>COMM 205</u>	Communication for Technical Professions	
<u>COMM 243</u>	Argumentation and Debate	
Mathematics		
Select one of the following:		
<u>MATH 147</u>	Calculus I for Biological Sciences 1	4
<u>MATH 151</u>	Engineering Mathematics I 1	
<u>MATH 171</u>	Analytic Geometry and Calculus 1	
Select one of the following:		
<u>MATH 148</u>	Calculus II for Biological Sciences 1	4
<u>MATH 152</u>	Engineering Mathematics II 1	
<u>MATH 172</u>	Calculus 1	
<u>American history</u>		6
<u>Creative arts</u>		3
<u>Life and physical sciences</u>		9
<u>Language, philosophy and culture</u> 3		3
<u>Social and behavioral sciences</u>		3
Minor 1		15-18
Minor 2		15-18
General Electives 4		16-22
Total Semester Credit Hours		120

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

2Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.

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

4Three 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 change:</p> <ol style="list-style-type: none"> To change the course number of STLC 102 to ASCC 102 in Footnote 4. and Rule A. of General Electives in Howdy Degree Evaluation. Electives- To add the wording in Footnote 4. *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 reflect the requirement *To remove MATH 150 from list of 3 hrs excluded General Electives in Footnote 4 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. 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. To *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 the corresponding Limitation to "Limitation" in Howdy Degree Evaluation. degree evaluation- of General Electives. *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 *To change MATH 220 to MATH 300 in Concentration Field of Study and the statement, "Maximum of 3 hours of MATH 300 or CSCE 222/ECEN 222 may be used in this range of acceptable STAT courses to STAT 404 — STAT 482 in Howdy degree program" in the Undergraduate Catalog. evaluation Rule A. 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.
Required Proposal Forms	<p>bs_ussc_mbu_17c.pdf BS-USSC-MBU.pdf 012218PresidentApprovalMemo.pdf bs_ussc_mfb.pdf</p>
Reviewer Comments	<p>Terra Bissett (t.bissett) (12/10/18 10:37 am): UCC approved December 2018.</p>

Key: 490

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 <u>GPA</u>		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 <u>GPA</u>		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 <u>GPA</u>		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 <u>GPA</u>		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	3hrs												
													Select three hours from any course with the Creative Arts attribute [KCRA].			
													Total Credits and <u>GPA</u>		0.000	.00

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

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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.		Social Science Rqmt	3hrs												
													Select from courses with the Social and Behavioral Science attribute [KSOC].			
													Total Credits and <u>GPA</u>		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.

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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.	American History Rqmt	6hrs												
													Select from any course with the [KHIS] attribute.			
No	AND	B.	Political Science Rqmt	6hrs												
													Take POLS 206 and POLS 207.			
													Total Credits and <u>GPA</u>		0.000	.00

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Area General Electives (52.000 credits) - Not Met

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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.	General Electives	52hrs												
													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; STEC 102 ; UPRN 200; WFSC 101)			
													<i>ASCC 102</i>			
													Total Credits and <u>GPA</u>		0.000	.00

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Area : Work Not Applied - Met

Description See advisor for acceptable substitutions.

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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.	Courses not applied													
													Total Credits and <u>GPA</u>		0.000	.00

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Area University Studies Minor Rqmt - Not Met

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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.	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 <u>GPA</u>		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 <u>GPA</u>													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				3	6hr								
Select from courses with the International and Cultural Diversity attribute [UCID] (except sections of BUSN 289 with the UWRT attribute).																
Total Credits and <u>GPA</u>													0.000	.00		

B. Cultural Discourse 3 hrs

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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 <u>GPA</u>													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, 308, 325, 425, 442; STAT 408. 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 <u>GPA</u>													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				27+hrs									
Includes MATH 220, 221, 251, 304, 308, 323, 325, 425, 442; STAT 211, 404-482.																

Total Credits and GPA 0.000 .00

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