

Program Change Request

Date Submitted: 11/13/18 12:00 pm

Viewing: **BS-USSC-SST* : University Studies - BS, Science for Secondary Teaching Concentration**

Last approved: 04/27/18 1:33 pm

Last edit: 11/14/18 5:19 pm

Changes proposed by: donnalh

Catalog Pages Using this Program [University Studies - BS, Science for Secondary Teaching 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	Sci for Secondary Teach-USSC (SST*)

Catalog Program Title
University Studies - BS, Science for Secondary Teaching Concentration

CIP and Fund code 30999931

Rationale for Proposal

1. To comply with new course numbers established by the Chemistry Department.
 2. To be in compliance with the Core Curriculum requirement for ICD and the new Core Curriculum requirement for Cultural Discourse.
 3. To comply with new course numbers established by the Physics Department.
 4. GEOL 203 and GEOL 101 were changed from 4 hours to 3 hours courses back in 201431 and 201631 respectively.
- ~~04-27-2018 — edits made to program to remove CHEM 317 and OCNG 401 which have been inactivated effective Fall 2018.—sw~~

Program hours 120

Is this program eligible for financial aid? **Yes**

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

Program delivery mode

Approval Path

1. 11/09/18 12:34 pm
Lucas Macri (lmacri): Approved for CLSC Department Head UG
2. 11/13/18 11:21 am
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 11/13/18 12:00 pm
Lucas Macri (lmacri): Approved for CLSC Department Head UG
4. 11/14/18 5:20 pm
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 11/15/18 1:14 pm
Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
6. 11/15/18 4:03 pm
Lucas Macri (lmacri): Approved for SC Committee Chair UG
7. 11/15/18 4:04 pm
Lucas Macri (lmacri): Approved for SC College Dean UG
8. 11/15/18 4:54 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 12/10/18 10:36 am
Terra Bissett (t.bissett): Approved for UCC Chair

On-campus

History

1. Apr 27, 2018 by Sandra Williams (sandra-williams)

Catalog Program Requirements

Code	Title	Semester Credit Hours
ATMO 201	Weather and Climate 1	3
ASTR 101	Basic Astronomy	4
& ASTR 102	and Observational Astronomy 1	
CHEM 101	Course CHEM 101 Not Found	1
& CHEM 111	and Fundamentals of Chemistry Laboratory I 1	
CHEM 102	Course CHEM 102 Not Found	1
& CHEM 112	and Fundamentals of Chemistry Laboratory II 1	
CHEM 119	Fundamentals of Chemistry I	4
CHEM 120	Fundamentals of Chemistry II	4
PHYS 202	College Physics 1	4
Select one of the following: 1		4
PHYS 201	College Physics	
PHYS 206	Newtonian Mechanics for Engineering and Science	
& PHYS 226	and Physics of Motion Laboratory for the Sciences	
Select one of the following: 1		4
GEOG 203	Planet Earth	
& GEOG 213	and Planet Earth Lab	
GEOL 101	Principles of Geology	
& GEOL 102	and Principles of Geology Laboratory	
Select twelve hours from the following: 1		12
BIOL 318	Chordate Anatomy	
BIOL 319	Integrated Human Anatomy and Physiology I	
BIOL 320	Integrated Human Anatomy and Physiology II	
BIOL 328	Plants and People	
BIOL 335	Invertebrate Zoology	
BIOL 357	Ecology	
BIOL 401	Critical Writing in Biology	
Upper-level BIOL course for which prerequisites have been satisfied		
CHEM 315	Fundamentals of Quantitative Analysis	
& CHEM 318	and Quantitative Analysis Laboratory	
CHEM 316	Quantitative Analysis	
CHEM 362	Descriptive Inorganic Chemistry	
CHEM 383	Chemistry of Environmental Pollution	
CHEM 415	Analytical Chemistry	
Upper-level CHEM course for which prerequisites have been satisfied		
GEOG 331	Geomorphology	
GEOG 335	Pattern and Process in Biogeography	
GEOG 360	Natural Hazards	
GEOG 370/MARS 370	Coastal Processes	
Upper-level GEOG course for which prerequisites have been satisfied		
GEOL 301	Mineral Resources	
GEOL 306	Sedimentology and Stratigraphy	
GEOL 308	Integrated Earth Science	
GEOL 309	Introduction to Geological Field Methods	
GEOL 310	Planetary Geology	
GEOL 311	Principles of Geological Writing	
GEOL 352/GEOG 352	GNSS in the Geosciences	
GEOL 410	Hydrogeology	
GEOL 420	Environmental Geology	
Upper-level GEOL course for which prerequisites have been satisfied		
Upper-level OCNG course for which prerequisites have been satisfied		
University and College Requirements		
ATMO 202	Weather and Climate Laboratory	1
BIOL 111	Introductory Biology I	4
BIOL 112	Introductory Biology II	4
POLS 206	American National Government 2	3
POLS 207	State and Local Government 2	3

Code	Title	Semester Credit Hours
Select one of the following:		4
MATH 151	Engineering Mathematics I	
MATH 147	Calculus I for Biological Sciences	
MATH 171	Analytic Geometry and Calculus	
Select one of the following:		4
MATH 152	Engineering Mathematics II	
MATH 148	Calculus II for Biological Sciences	
MATH 172	Calculus	
Life and physical sciences		
Select one of the following:		3
Select one of the following:		
INST 210	Understanding Special Populations	
INST 222	Foundations of Education in a Multicultural Society	
SOCI 217	Introduction to Race and Ethnicity	
American history		6
Communication		6
Mathematics		8
Creative arts		3
Language, philosophy and culture (with an ENGL prefix)		3
Minor 1		15-18
Minor 2		15-18
General Electives 3		1-7
Total Semester Credit Hours		120
1 Must make a grade of "C" or better.		
2 Completion of four semesters of upper-level ROTC may be substitute for three hours of this requirement.		
3 Courses 100-499 not used elsewhere.		

Additional information

1. To change the course number of ~~04.27.2018—edits made to program to remove~~ CHEM 101/111 to CHEM 119 317 and CHEM 102/112 to CHEM 120 in Course List in Undergraduate Catalog, Rule C. ~~OCNG-401 which have been inactivated effective Fall 2018~~ and D. of Concentration Field of Study and Rule A. of GPR-Major in Howdy Degree Evaluation.
2. 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.
3. To change the course number of PHYS 218 to PHYS206/PHYS226 in the Course List in the Undergraduate Catalog and Rule F. of Concentration Field of Study in Howdy Degree Evaluation.
4. To change GEOG 203 and GEOL 101 from 4 credit courses to 3 credit courses with corresponding labs (GEOG 213, GEOL 102) in Rule E. of Concentration Field of Study and Rule A. of GPR-Major in Howdy Degree Evaluation. ~~—sw~~

Required Proposal Forms [bs_ussc_sst.pdf](#)

Reviewer Comments

Angel Mario Carrizales (carri1214) (11/13/18 11:21 am): Rollback: Please address the following. 1) PHYS 218 is listed in the catalog and the degree evaluation. Please updated to the new course numbering. 2) GEOG 203 and GEOL 101 are listed in the evaluation as 4 hours. These courses were change from 4 hours to 3 hours courses back in 201431 and 201631 respectively. I've edited the catalog program requirements to capture these courses changes and included the corresponding labs (GEOG 213, GEOL 102), please edit the evaluation to make the change as well.

Angel Mario Carrizales (carri1214) (11/14/18 5:19 pm): Initial concerns addressed.

Terra Bissett (t.bissett) (12/10/18 10:36 am): UCC approved December 2018.

Key: 492

			Must make a grade of "C" or better.
No	AND	G.	PHYS 202
			Must make a grade of "C" or better.
No	AND	H.	Upper Level Rqmt 12hrs
			Must make a grade of "C" or better.
			Select from BIOL 318, 319, 320, 328, 335, 357, 401, or any Upper Division BIOL course for which prerequisites have been satisfied; CHEM 315/318, 316, 362, 363, 415, or any Upper Division CHEM course for which prerequisites have been satisfied; GEOG 331, 335, 360, 370, GEOL 301, 306, 307, 308, 309, 310, 311, 352, 410, 420; or any Upper Division GEOG, GEOL or OCNG courses for which prerequisites have been satisfied.

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.	Communication Requirement	6hrs												
			Select any courses with the Communication attribute [KCOM].													

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 151, 147, 171.													
No	AND	B.	MATH Rqmt II	4hrs												
			Select from MATH 152, 148, 172.													

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.	ATMO 202	1hr												
No	AND	B.	BIOL 111	4hrs												
No	AND	C.	BIOL 112	4hrs												

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.	Lang, Phil, Culture Rqmt	3hrs												
			Select any course with the Language, Philosophy and Culture attribute [KLPC].													

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

unofficial evaluation

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

Description

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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 INST 210, 222 or SOCI 217.												
														Total Credits and <u>GPA</u>	0.000	.00

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.

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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

unofficial evaluation

Area General Electives (37.000 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 37hrs												
				Includes 30-36 hours of courses that were used to satisfy the two minor requirements and any 100-499 courses not used elsewhere.												
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

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

unofficial evaluation

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	

unofficial evaluation

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] may be used to satisfy this requirement.																
													Total Credits and <u>GPA</u>	0.000	.00	

unofficial evaluation

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).																
													Total Credits and <u>GPA</u>	0.000	.00	

Cultural Discourse

B. Cultural Discourse

unofficial evaluation

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	

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.

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 BIOL 318-320, 328, 335, 357, 401; CHEM 315-318, 362, 383, 415; GEOG 331, 335, 360, 370; GEOL 301, 306-311, 352, 410, 420. Courses satisfying the requirement 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	

unofficial evaluation

Area : GPR-Major - Not Met

Description A GPR of 2.50 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
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No	A.		Major	GPR	32+	hrs									
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Includes ASTR 101/102; ATMO 201/202; BIOL 318-320, 328, 335, 357; CHEM ~~101-102, 111-112, 315-318, 362, 383, 415;~~ GEOG 203, 331, 335, 360, 370; GEOL 101, 201, 306-311, 352, 410, 420; PHYS 201-202, 218-219.

GEOG 203 *CHEM 119, 120,* *GEOL 102*

Total Credits and GPA	0.000	.00
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unofficial evaluation

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