

Chemistry		10/25/13
epartment/School		Date
hemistry B.S. (Comprehensive and No	n-Comprehensive)	
tle of Major and Degree		
st the course(s) which will satisfy the 3-hou tle, and credit hours of each course.	r Public Affairs Caps	tone Experience. Be specific—include course code, course numl
Credit Hr - CHM 398 (Chemical Sympo Credit Hr - CHM 399 (Undergraduate I Credit Hr - CHM 498 (Chemistry Care	nvestigations) or C	HM 397 (Cooperative Education in Chemistry)
swer all following questions related to th	e course(s) entered	zhova
	[7]	above.
Does the course(s) currently exist? Enter If no, a new course proposal form must	be submitted and a	
 If course(s) does exist, will a course cha If yes, a course change form must be su 	nge be needed (i.e., bmitted and accomp	credit hours, description, etc.)? Enter yes or no. No pany this program change form.
	ach a separate shee	idents? Enter yes or no. Yes t with 1) present catalog description; 2) revised catalog descript C Experience plus any other program changes related to the PAI
	tion-specific. Note:	PEnter yes or no. Yes All service learning, study away, special topics, internships, and not will require special handling through the degree audit system
Will a transfer equivalent of the course Additional notes regarding any potentia	s) satisfy the PAC Ex	perience? Enter yes or no.
		rses, so in practice this is effectively a moot issue.
it is very rare for a student to transfer	e any or mese cou	ises, so in practice this is effectively a filloot issue.
one of the following (please check all that	apply and send to f	of the Faculty Senate. Forward <u>three</u> typed, originally signed first council/committee marked). council, forward one additional form for each additional counc
College Council		luate program changes through College Council as first step before
Professional Education Committee	(Considers all progr	o PEC, CGEIP, or directly to Faculty Senate) ram changes affecting BS and MS in Education and Educational
Committee on General Education and Intercollegiate Programs	Specialist degrees) (Considers all gener	ral education and multi-college program changes)
Graduate Council	(Considers all gradu	rate-level program changes) $\frac{10/29/2013}{}$
nature		Date

(Routing on Reverse Side)

Missouri State University Curricular Proposal Program Change or Deletion



tle of Program A	Affected Che	mistry (Non-	comprehensi	ve) Bachel	or of Scier	nce	<u> </u>	 	
ajor_X_ Comp Present Catalog D		Option	Minor	Certificate Revised	Certi	fication_		nic Rules	Other
	web catalog or use r	nost recent descr	iption.)	(Cut and)		tion agair		า all deletions	s, and insert and
Chemistry (I Bachelor of Science	Non-Compre	hensive)			istry (Ne		mprehei	nsive)	r
B. Major R. 1.	withour at least 352(3), 460(3), b. For sture environ 460(3), c. For sture biocher 452(3), d. For a spinclude least nin courses selected student	quirements section of the property of the prop	tion of catalog 171(1), 198(1); CHM 3) and and one hour 1 from one of program of emphasis, m CHM 499(2-3), pong interest in try: CHM ong interest in edicine: CHM 1, 553(2) nterest not a, b, or c: at mistry or higher a with the prisor and ment head.	А. В.	Program a Major Reg	nd Requirement (1942), 342(5), 3506(3) at 498(1)** 399** or Chemistr (1942) b. c. d.	irements sect ts 0(4)*, 161(1) 43(5), 375(3) ad CHM 507(4); and 499** y electives (8 g categories: For a basic (8 specific area hours from 9 499(2-3), 46 For students environment 461(3), 462(4) For a specific in categories of chemistry higher select student's accept the departice of the departice and material transport to the departice and transport to the d	tion of catalors, 170(3), 1, 1, 398(1)**; (3) and 508(1) one hour from the second of t	71(1), 302(5), CHM 505(4) of (2); 492(0), om CHM 397* from one of the rogram without is, at least eight), 376(2), 399 of (2); 492(2), 399 of (3); CHM 460(3); at least in dicine: CHM 553(2) terest not inclust least nine how mbered 300 or litation with the sor and approversity.
	MTH 261* and 23 288(6); PHY 123 and 204(10)					Will also Requirem	o count towai	rd General I	Education
C. Minor Re	*Will also count t Requirements quired (or second	major)					iso count to	vard Public	Affairs
	accalaureate Degraccalaureate Degraccalaureate			C. D.	General Ba	ccalaure	second majo ate Degree R ee Requirem	equirements	s - see <u>General</u> of catalog
valarog				E.					98 and 498 (2

This satisfies the new program requirement for a capstone experience in public affairs.

GOMPLETE NEW CATALOG INFORMATION (Typed)



Total Hours 69-87

FS Program Change - 9/10/2010

Chemistry (Non-Comprehensive)

Bachelor of Science

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements
 - 1. <u>CHM 160(4)*, 161(1)*, 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1)**; CHM 505(4) or 506(3) and CHM 507(3) and 508(2); 492(0), 498(1)**, 502(4); and one hour from CHM 397**, 399** or 499**</u>
 - 2. Chemistry electives (8-10 hours) from one of the following categories:
 - a. For a basic chemistry program without a specific area of emphasis, at least eight hours from CHM 352(3), 376(2), 399 or 499(2-3), 460(3), 509(2)
 - b. For students with a strong interest in environmental chemistry: CHM 460(3), 461(3), 462(2)
 - c. For students with a strong interest in biochemistry or pre-medicine: CHM 452(3), 453(2), 552(3), 553(2)
 - d. For a specific area of interest not included in categories a, b, or c: at least nine hours of chemistry courses numbered 300 or higher selected in consultation with the student's academic advisor and approved by the department head.
 - Related science and mathematics requirements: <u>MTH 261</u>* and <u>280(10)</u> or <u>MTH 261</u>* and <u>288(8)</u> or <u>MTH 287</u>* and <u>288(6)</u>; <u>PHY 123</u>* and <u>124(8)</u> or <u>PHY 203</u>* and <u>204(10)</u>
 - *Will also count toward General Education Requirements
 - **Will also count toward Public Affairs Requirements
- C. Minor Required (or second major)
- D. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog
- E. Public Affairs Requirements: CHM398 and 498 (2); CHM399 or 397(1)

DEPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If the program needs to go through more than one committee/council, forward one additional form for each additional council/ committee marked. (Send all undergraduate program changes through College Council as first step **College Council** before forwarding either to PEC, CGEIP, or directly to Faculty Senate) (Considers all program changes affecting BS and MS in Education and Educational **Professional Education Committee** Specialist degrees) (Considers all general education and multi-college program changes) Committee on General Education and **intercollegiate Programs Graduate Council** (Considers all graduate-level program changes) Signature Department Head

(Routing on Reverse Side)

Missouri State University Curricular Proposal Program Change or Deletion



Department	Chemistry			Date	10/25/20	013
Title of Program Affected	Chemistry (Comp	rehensive)	Bachelor of Sci	ence		•
Major_X_ Comprehensive N	Major Option	_ Minor	Certificate	Certification	Academic Rules	Other
Present Catalog Description (Cut and paste from web catalog	or use most recent descr	ription.)	(Cut and ;	Catalog Description paste description agai information.)	n n, strikethrough all deleti	ons, and insert and

Chemistry (Comprehensive)

Bachelor of Science

- A. General Education Requirements see <u>General Education</u>
 <u>Program and Requirements</u> section of catalog
- B. Major Requirements
 - 1. <u>CHM 160(4)*, 161(1)*, 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1), 452(3), 492(0), 498(1), 502(4), 506(3), 507(3), 508(2), 575(3)</u>
 - Related science and mathematics requirements: <u>MTH 287*</u> and <u>288(6)</u> or <u>MTH 261*</u> and <u>280(10)</u> or <u>MTH 261*</u> and <u>288(8)</u>; <u>PHY 123*</u> and <u>124(8)</u> or <u>PHY 203*</u> and <u>204(10)</u>; Recommended <u>CSC 111(3)*</u>
 - Complete requirements in one of the following options:
 - a. **Biochemistry:** This program is designed for students preparing for a career in medicine or graduate study in biochemistry. Required courses: <u>CHM 399(1-3)</u> or <u>499(1-3)</u>, <u>453(2)</u>, <u>552(3)</u>, <u>553(2)</u>; <u>BIO 121(4)*</u>, <u>235(4)</u>, <u>320(4)</u> Suggested electives: <u>BIO 310(5)</u>. Premedical students should also take courses in anatomy and physiology.
 - b. Graduate School: This program is designed for students preparing for graduate study in chemistry. Required courses: CHM 376(2), 499(1-3), 509(2); Select one: CHM 514(3), 542(3), 552(3). Suggested electives: one year foreign language
 - c. Industrial: This program is designed for students preparing for industrial positions upon completion of the B.S. degree, but who wish to be prepared for future entry into graduate school. Required courses: CHM 376(2), 509(2), 514 or 542(3), four hours selected from 397(2), 399(1-3), 499(1-3)
 - *Will also count toward General Education Requirements
- C. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog

Chemistry (Comprehensive)

Bachelor of Science

- A. General Education Requirements see General Education

 <u>Program and Requirements</u> section of catalog
- B. Major Requirements
 - 1. <u>CHM 160(4)*, 161(1)*, 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1)**, 452(3), 492(0), 498(1)**, 502(4), 506(3), 507(3), 508(2), 575(3)</u>
 - Related science and mathematics requirements: <u>MTH 287*</u> and <u>288(6)</u> or <u>MTH 261*</u> and <u>280(10)</u> or <u>MTH 261*</u> and <u>288(8)</u>; <u>PHY 123*</u> and <u>124(8)</u> or <u>PHY 203*</u> and <u>204(10)</u>; Recommended <u>CSC</u> <u>111(3)*</u>
 - Complete requirements in one of the following options:
 - a. Biochemistry: This program is designed for students preparing for a career in medicine or graduate study in biochemistry. Required courses: CHM 399(1-3)** or 499(1-3), 453(2), 552(3), 553(2); BIO 121(4)*, 235(4), 320(4) Suggested electives: BIO 310(5). Premedical students should also take courses in anatomy and physiology.
 - b. Graduate School: This program is designed for students preparing for graduate study in chemistry. Required courses: CHM 376(2), 499(1-3)**, 509(2); Select one: CHM 514(3), 542(3), 552(3). Suggested electives: one year foreign language
 - c. Industrial: This program is designed for students preparing for industrial positions upon completion of the B.S. degree, but who wish to be prepared for future entry into graduate school. Required courses: CHM 376(2), 509(2), 514 or 542(3), four hours selected from 397(2)**, 399(1-3)**, 499(1-3)
 - *Will also count toward General Education Requirements
 - **Will also count toward Public
 Affairs Requirements
- C. General Baccalaureate Degree Requirements see General
 Baccalaureate Degree Requirements section of catalog
- D. Public Affairs Requirements: CHM398 and 498 (2); CHM 399 or 397 or 499(1)

What is changing? Check all boxes that appl	ly.		
Title change	From option to program (major)	Other	
x Course changes of under 18 hours	From program (major) to option		
Course changes of 18 hours or more	Program or option deletion		
•	· 		

REASON FOR PROPOSED CHANGE

This satisfies the new program requirement for a capstone experience in public affairs.

COMPLETE NEW CATALOG INFORMATION (Typed)

Chemistry (Comprehensive)

Bachelor of Science



Total Hours 69-87

- A. General Education Requirements see General Education Program and Requirements section of catalog
- B. Major Requirements
 - 1. <u>CHM 160(4)*, 161(1)*, 170(3), 171(1), 302(5), 342(5), 343(5), 375(3), 398(1)**, 452(3), 492(0), 498(1)**, 502(4), 506(3), 507(3), 508(2), 575(3)</u>
 - Related science and mathematics requirements: <u>MTH 287</u>* and <u>288(6)</u> or <u>MTH 261</u>* and <u>280(10)</u> or <u>MTH 261</u>* and <u>288(8)</u>; <u>PHY 123</u>* and <u>124(8)</u> or <u>PHY 203</u>* and <u>204(10)</u>; Recommended <u>CSC 111(3)</u>*
 - Complete requirements in one of the following options:
 - a. **Biochemistry:** This program is designed for students preparing for a career in medicine or graduate study in biochemistry. Required courses: CHM 399(1-3)** or 499(1-3), 453(2), 552(3), 553(2); BIO 121(4)*, 235(4), 320(4) Suggested electives: BIO 310(5), Premedical students should also take courses in anatomy and physiology.
 - b. Graduate School: This program is designed for students preparing for graduate study in chemistry. Required courses: CHM 376(2), 499(1-3)**, 509(2); Select one: CHM 514(3), 542(3), 552(3). Suggested electives: one year foreign language
 - c. Industrial: This program is designed for students preparing for industrial positions upon completion of the B.S. degree, but who wish to be prepared for future entry into graduate school. Required courses: <u>CHM 376(2), 509(2), 514</u> or <u>542(3)</u>, four hours selected from <u>397(2)**, 399(1-3)**, 499(1-3)</u>
 - *Will also count toward General Education Requirements
 - **Will also count toward Public Affairs Requirements
- C. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog
- D. Public Affairs Requirements: CHM398 and 498 (2); CHM 399 or 397 or 499(1)

signed forms to one of the following (please	EC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally check all that apply and send to first council/committee marked). an one committee/council, forward one additional form for each additional
x College Council	(Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate)
Professional Education Committee	(Considers all program changes affecting BS and MS in Education and Educational Specialist degrees)
Committee on General Education and Intercollegiate Programs	(Considers all general education and multi-college program changes)
Graduate Council	(Considers all graduate-level program changes)
Signature Department Head	Date 10/29/2013 (Routing on Bayerse Side)



Che	emistry		10/25/13	
Depa	artment/School		Date	
Che	emistry Education (BSED)			
_	of Major and Degree	· · · · · · · · · · · · · · · · · · ·		
	he course(s) which will satisfy the 3-hou and credit hours of each course.	ır Public Affairs Capsto	one Experience. Be specific—include o	course code, course number,
SCI SCI SCI	214(1) Introduction to Science Teac 314(3) Techniques and Technology 414(3) Teaching of Secondary Scho 493(6) Supervised Teaching (Secon 494(6) Supervised Teaching (Secon	in Science Laborato ol Natural Science idary Science)	•	
	<i>,</i>			
L Ansv	ver all following questions related to th	e course(s) entered a	bove.	
1.	Does the course(s) currently exist? Ente	V		
1.	If no, a new course proposal form must	be submitted and acc	company this program change form.	
2.	If course(s) does exist, will a course cha If yes, a course change form must be su	inge be needed (i.e., c ibmitted and accompa	redit hours, description, etc.)? Enter only this program change form.	yes or no. No
3.	Is the course(s) currently required in the If no, the program must be revised. Att and 3) complete new catalog information	tach a separate sheet	with 1) present catalog description; 2	
	Will <u>all</u> sections of the course(s) satisfy If no, specify which course(s) will be sec independent study courses will always	ction-specific. Note: A	II service learning, study away, specia	
•				
5.	Will a transfer equivalent of the course Additional notes regarding any potentia	(s) satisfy the PAC Exp al transfer equivalents	erience? Enter yes or no. Yes	
* 1	It is very rare for a student to transfe	er any of these cours	ses, so in practice this is effectively	y a moot issue.
•				
o <u>on</u> f the	RTMENT: Route according to ART VI, Si e of the following (please check all that program needs to go through more that nittee marked.	t apply and send to fir	st council/committee marked).	*
<u>X</u>	_ College Council		ate program changes through College Co	
X	_ Professional Education Committee	(Considers all progra	PEC, CGEIP, or directly to Faculty Senate) m changes affecting BS and MS in Educat	
	_ Committee on General Education and Intercollegiate Programs	Specialist degrees) (Considers all genera	l education and multi-college program ch	anges)
<u> </u>	_ Graduate Council	Considers all gradua	te-level program changes) Date 10/30/2	012

(Routing on Reverse Side)

Missouri State University Curricular Proposal Program Change or Deletion



	Department	_Chemi	istry			Date	10/25/20	013	
-	Title of Program Affected	Bache	lor of Scien	ice in Chem	istry Education	(BSED)			
	MajorX Comprehensive M	lajor	Option	Minor	Certificate	Certification	Academic Rules	Other	
	Present Catalog Description (Cut and paste from web catalog	or use mos	st recent desc	ription.)			strikethrough all deletion	s, and insert and	

Chemistry Education

Bachelor of Science in Education (Certifiable grades 9-12)

- A. General Education Requirements see General
 Education Program and Requirements section of catalog
 The following required courses can be used to meet both
 General Education and Major Requirements: BIO
 121(4); CHM 160(4) and 161(1) or PHY 123(4) or GLG
 110(4) or GLG 171(4); MTH 287(3)
- B. Major Requirements:
 - 1. Core (31-36 hours): CHM 160(4), 161(1), 170(3), 171(1); CHM 200(5), or CHM 342(5) and CHM 343(5), or CHM 342(5) and CHM 344(3); CHM 302(5), 352(3), 435(2), 460(3), 505(4)

 Note: Students seeking American Chemical Society certification must take either CHM 342 and 343, or CHM 342 and 344.
 - Related Requirements (22 hours): <u>PHY 123(4)</u>, 124(4); <u>SCI 505(3)</u>; <u>BIO 121(4)</u>; <u>GLG 110(4)</u> or <u>GLG 171(4)</u>; <u>MTH 287(3)</u>
 - Complete the requirements in one of the following grades 9-12 certification areas:
 - a. Categorical Science (3 hours): CHM 375(3)
 - b. **Unified Science** (13 hours): <u>CHM</u> 463(1); <u>BIO 122(4)</u>; <u>GLG 110(4)</u>; <u>GRY 135(4)</u>
- C. Professional Education courses (37 hours)
 - 1. <u>SCI 214(1), 314(3), 414(3), 493(6), 494(6)</u>
 - Professional Education Required Core and Competencies - see <u>Teacher Certification</u>, <u>Teacher Education Program and Secondary</u> <u>Education Requirements</u> section of catalog
- D. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification; as well as the requirements for Secondary Education. Refer to the <u>Teacher Education Program</u> section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog.
- F. In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

Chemistry Education

Bachelor of Science in Education (Certifiable grades 9-12)



- A. General Education Requirements see General Education
 Program and Requirements section of catalog
 The following required courses can be used to meet both
 General Education and Major Requirements: BIO 121(4);
 CHM 160(4) and 161(!) or PHY 123(4) or GLG 110(4) or
 GLG 171(4); MTH 287(3)
- B. Public Affairs Requirements. The following required courses can be used to meet both the Public Affairs and Major Requirements: SCI 214(1), 314(3), 414(3), 493(6), 494(6)
- C. Major Requirements:
 - Core (31-36 hours): CHM 160(4), 161(1), 170(3), 171(1); CHM 200(5), or CHM 342(5) and CHM 343(5), or CHM 342(5) and CHM 344(3); CHM 302(5), 352(3), 435(2), 460(3), 505(4)
 Note: Students seeking American Chemical Society certification must take either CHM 342 and 343, or CHM 342 and 344.
 - Related Requirements (22 hours): PHY 123(4), 124(4); SCI 505(3); BIO 121(4); GLG 110(4) or GLG 171(4); MTH 287(3)
 - 3. Complete the requirements in one of the following grades 9-12 certification areas:
 - a. Categorical Science (3 hours): <u>CHM</u> 375(3)
 - b. Unified Science (13 hours): <u>CHM</u>
 463(1); <u>BIO 122(4)</u>; <u>GLG 110(4)</u>; <u>GRY</u>
 135(4)
- Professional Education courses (37 hours)
 - SCI 214(1), 314(3), 414(3), 493(6), 494(6)
 - Professional Education Required Core and Competencies - see <u>Teacher Certification</u>, <u>Teacher Education Program and Secondary Education</u> Requirements section of catalog
- E. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification; as well as the requirements for Secondary Education. Refer to the <u>Teacher Education Program</u> section of the catalog for requirements.
- F. General Baccalaureate Degree Requirements see <u>General Baccalaureate Degree Requirements</u> section of catalog.
- G. In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses. All GPA requirements

<u>}</u>			
			include both Missouri State and transfer grades.
x T	itle chang Course cl	nanges of under 18 hours From pro	on to program (major) Other ogram (major) to option option deletion
REASO	N FOR P	ROPOSED CHANGE	
This sa	tisfies th	e new program requirement for a capstone expe	rience in public affairs
			neilee in paolie arians.
СОМРІ	LETE NEV	V CATALOG INFORMATION (Typed)	
Bachelo		Education ace in Education s 9-12)	
A.	General	Education Requirements - see General Education Pro	ogram and Requirements section of catalog
	The foll	lowing required courses can be used to meet both Ger (1) or PHY 123(4) or GLG 110(4) or GLG 171(4); N	neral Education and Major Requirements: BIO 121(4); CHM 160(4)
Н,	Public A Require	Affairs Requirements. The following required course ements: SCI 214(1), 314(3), 414(3), 493(6), 494(6)	s can be used to meet both the Public Affairs and Major
В.	Major F	Requirements:	
	1.	342(5) and CHM 344(3); CHM 302(5), 352(3), 435	171(1); <u>CHM 200(5)</u> , or <u>CHM 342(5)</u> and <u>CHM 343(5)</u> , or <u>CHM</u> 5(2), 460(3), 505(4)
		Note: Students seeking American Chemical Society 344.	y certification must take either CHM 342 and 343, or CHM 342 and
	2.	Related Requirements (22 hours): <u>PHY 123(4), 124 287(3)</u>	4(4); <u>SCI 505(3)</u> ; <u>BIO 121(4)</u> ; <u>GLG 110(4)</u> or <u>GLG 171(4)</u> ; <u>MTH</u>
	3.	Complete the requirements in one of the following	grades 9-12 certification areas:
		a. Categorical Science (3 hours): CHM 37:	5(3)
		b. Unified Science (13 hours): CHM 463(1)); <u>BIO 122(</u> 4); <u>GLG 110(</u> 4); <u>GRY 135(</u> 4)
C.	Professi	onal Education courses (37 hours)	
	1.	SCI 214(1), 314(3), 414(3), 493(6), 494(6)	
	2.	Professional Education Required Core and Compet Secondary Education Requirements section of catal	encies - see Teacher Certification, Teacher Education Program and og
D.	This pro	gram also requires compliance with the Teacher Eduon courses; admission to and continuance in the Teach	cation Program requirements for eligibility to enroll in Professional ner Education Program; approval for supervised teaching; and

- recommendation for certification; as well as the requirements for Secondary Education. Refer to the Teacher Education Program section of the catalog for requirements.
- E. General Baccalaureate Degree Requirements see General Baccalaureate Degree Requirements section of catalog.
- In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements: at least a 2.75 GPA on all course work attempted at all colleges attended; at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B; at least a 3.00 GPA in any additional certificate subject area; at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses. All GPA requirements include both Missouri State and transfer grades.

council/ committee marked.	
x College Council	(Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate)
x Professional Education Committee	(Considers all program changes affecting BS and MS in Education and Educational Specialist degrees)
Committee on General Education and Intercollegiate Programs	(Considers all general education and multi-college program changes)
Graduate Council	(Considers all graduate-level program changes)
Signature Department Head	(Routing on Reverse Side) Cold 30 20 3 5 5 5 5 7 7 7 7 7 7

DEPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally

If the program needs to go through more than one committee/council, forward one additional form for each additional

signed forms to one of the following (please check all that apply and send to first council/committee marked).



Geography Geology & Planning - Natural 8	R Applied Scien	October 29, 2013	
-Department/School		Date	
B.A. in Geography			
Title of Major and Degree			
List the course(s) which will satisfy the 3-hour I title, and credit hours of each course.	Public Affairs Capstone Ex	xperience. Be specific—include course code	e, course number,
GRY 498 Placement Seminar in Geograph the Ozarks (3) or GRY 353 Geographic Fie			Geography of
Answer all following questions related to the	course(s) entered above	•	
Does the course(s) currently exist? Enter	yes or no yes		
If no, a new course proposal form must b	e submitted and accomp	any this program change form.	
2. If course(s) does exist, will a course chang	za ha naadad (i.e. credit	hours, description, etc.)? Enter yes or no.	no
If yes, a course change form must be sub-	mitted and accompany th	is program change form.	
3. Is the course(s) currently required in the	nrogram for all students	Enterves or no. Ves	
If no, the program must be revised. Attac	ch a separate sheet with :	1) present catalog description; 2) revised ca	atalog description;
and 3) complete new catalog information	specifying the PAC Expe	rience plus any other program changes rela	ated to the PAC.
4. Will <u>all</u> sections of the course(s) satisfy th	e PAC Experience? Enter	ves or no. Ves	
If no, specify which course(s) will be secti	on-specific. Note: All serv	vice learning, study away, special topics, int	ternships, and
Independent study courses will always be	section-specific and will	require special handling through the degre	ee audit system.
	•		
		•	
			
5. Will a transfer equivalent of the course(s		ce? Enter yes or no. Ves	
Additional notes regarding any potential	transfer equivalents.		
DEPARTMENT: Route according to ART VI, SEC			ginally signed forr
to <u>one</u> of the following (please check all that a If the program needs to go through more thar	ipply and send to first co i one committee/council	, forward one additional form for each ad	ditional council/
committee marked.	·	•	
College Council		rogram changes through College Council as first	step before
Professional Education Committee	forwarding either to PEC, (Considers all program cha	CGEIP, or directly to Faculty Senate) inges affecting BS and MS in Education and Edu	cational
	Specialist degrees)	•	
Committee on General Education and Intercollegiate Programs	(Considers all general educ	cation and multi-college program changes)	
Graduate Council /	 € onsiders all graduate-lev	rel program changes)	
	Acquarers an Riadnare-ler	10/20/2013	
Signature Penartment Head School Direct	ror	Date /0/29/20/5	

(Routing on Reverse Side)

C

Geography Geology & Planning - Natural	& Applied Scien	October 29, 2013	
Department/School		Date	
B.S. in Geography	······································		
Title of Major and Degree			
List the course(s) which will satisfy the 3-hour title, and credit hours of each course.	Public Affairs Capstone I	Experience. Be specific—include c	ourse code, course number,
GRY 498 Placement Seminar in Geograph the Ozarks (3) or GRY 353 Geographic Fi	ny, Geospatial Science eld Studies (2) or GRY	es and Planning (1) plus either 470 Field Studies in Geograp	GRY 301 Geography of hy (2)
· · · · · · · · · · · · · · · · · · ·			<u> </u>
Answer all following questions related to the		e. 	
Does the course(s) currently exist? Enter If no, a new course proposal form must be	e submitted and accom		
2. If course(s) does exist, will a course chan If yes, a course change form must be sub	ge be needed (i.e., credi mitted and accompany	t hours, description, etc.)? Enter this program change form.	yes or no. Ino
3. Is the course(s) currently required in the If no, the program must be revised. Atta and 3) complete new catalog information	ch a separate sheet with	ր 1) present catalog description; 2	revised catalog description hanges related to the PAC.
4. Will <u>all</u> sections of the course(s) satisfy t If no, specify which course(s) will be sect independent study courses will always b	ion-specific. Note: All se	rvice learning, study away, specia	Il topics, internships, and h the degree audit system.
5. Will a transfer equivalent of the course(s Additional notes regarding any potential	s) satisfy the PAC Experie transfer equivalents.	ence? Enter yes or no. ves	+
			<u> </u>
DEPARTMENT: Route according to ART VI, SE to one of the following (please check all that if the program needs to go through more that committee marked.	apply and send to first	council/committee marked).	
College Council	(Send all undergraduate	program changes through College Co	puncil as first step before
Professional Education Committee	forwarding either to PEC (Considers all program o	C, CGEIP, or directly to Faculty Senate changes affecting BS and MS in Educa)
Committee on General Education and Intercollegiate Programs	Specialist degrees) (Considers all general ec	ducation and multi-college program c	hanges)
Graduate Council	(Considers all graduate-	level program changes)	2013
Signature Mand / School live	Tor.	Date	201-
Department Head/School Direct	ctor (Routing on Reve	rse Side) FS Program	n Change - 9/10/2010



Ged	ography Geology & Planning - Natural & Applied S	Scien	October 29, 2013	
Dep	artment/School		Date	_
B.S	in Geology - Comprehensive			
Title	of Major and Degree			
	the course(s) which will satisfy the 3-hour Public Affairs, and credit hours of each course.	s Capstone Experienc	te. Be specific—include course code, cou	rse number,
GL	G 358 (3) Writing II: Reporting Geological Inform	nation		
Ansı	wer all following questions related to the course(s) er	ntered above.		
		yes		
1.	If no, a new course proposal form must be submitted	and accompany this	· ·	
2.	If course(s) does exist, will a course change be neede If yes, a course change form must be submitted and a	d (i.e., credit hours, c accompany this progr	description, etc.)? Enter yes or no. no ram change form.	
3.	Is the course(s) currently required in the program for If no, the program must be revised. Attach a separat and 3) complete new catalog information specifying to	e sheet with 1) prese	ent catalog description; 2) revised catalog	g description; to the PAC.
4.	Will <u>all</u> sections of the course(s) satisfy the PAC Expendence of the course (s) will be section-specific. Independent study courses will always be section-specific.	Note: All service lear	rning, study away, special topics, interns	hips, and dit system.
5.	Will a transfer equivalent of the course(s) satisfy the Additional notes regarding any potential transfer equ	PAC Experience? Ent uivalents.	er yes or no. Ves	
to <u>o</u> If th	ARTMENT: Route according to ART VI, SEC 3B(1-4) of ne of the following (please check all that apply and se e program needs to go through more than one comm mittee marked.	end to first council/c	ommittee marked).	
_>	College Council (Send all un	ndergraduate program o	changes through College Council as first step	before
	forwarding	all program changes aff	r directly to Faculty Senate) fecting BS and MS in Education and Educatio	nal
-	Committee on General Education and Intercollegiate Programs (Considers	all general education ar	nd multi-college program changes)	
	Graduate Council/ Considers	all graduate-level progr	ram changes)	
Sign	ature Manual Myse	Dat	e 10/29/2013	
	(Ro	outing on Reverse Side)	FS Program Change - 9/10/203	l o



	October 29, 2013	
epartment/School	Date	
S. in Geology - Non comprehensive		
tle of Major and Degree		
st the course(s) which will satisfy the 3-hour Public Affairs Capstor tle, and credit hours of each course.	ne Experience. Be specific—include course code, course nu	mber
GLG 358 (3) Writing II: Reporting Geological Information		
() . A		
nswer all following questions related to the course(s) entered ab	oove.	
Does the course(s) currently exist? Enter yes or no. Yes If no, a new course proposal form must be submitted and acc	ompany this program change form	
If course(s) does exist, will a course change be needed (i.e., cr If yes, a course change form must be submitted and accompa	redit hours, description, etc.)? Enter yes or no. [*** inv this program change form.	
Is the course(s) currently required in the program for <u>all</u> stude If no, the program must be revised. Attach a separate sheet w	with 1) present catalog description; 2) revised catalog desc	riptie
and 3) complete new catalog information specifying the PAC	Experience plus any other program changes related to the	PAC
. Will <u>all</u> sections of the course(s) satisfy the PAC Experience? E	Enter ves or no. Ves	
 Will <u>all</u> sections of the course(s) satisfy the PAC experiences. 		
. If an amount which courseld will be section-specific Note: Al	ii sanvice learning, study away, special topics, internsinps, q	and stem.
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and	ii sanvice learning, study away, special topics, internsinps, q	and stem.
· · · · · · · · · · · · · · · · · · ·	ii sanvice learning, study away, special topics, internsinps, q	and stem
. It is a series which courseld will be section-enecific Note: Al	ii sanvice learning, study away, special topics, internsinps, q	and stem
· · · · · · · · · · · · · · · · · · ·	ii sanvice learning, study away, special topics, internsinps, q	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and	Il service learning, study away, special topics, internsinps, of will require special handling through the degree audit sys	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp	d will require special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the special	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and	d will require special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the special	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp	d will require special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the special	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp	d will require special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the degree audit system of the special handling through the special	and stem
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp Additional notes regarding any potential transfer equivalents	d will require special handling through the degree audit system of the degr	sterii -
independent study courses will always be section-specific and independent study courses will always be section-specific and will a transfer equivalent of the course(s) satisfy the PAC Exp Additional notes regarding any potential transfer equivalents EPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the following (please check all that apply and send to file	of the Faculty Senate. Forward three typed, originally signst council/committee marked).	ned
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp Additional notes regarding any potential transfer equivalents EPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of one of the following (please check all that apply and send to fit the program needs to go through more than one committee/co	of the Faculty Senate. Forward three typed, originally signst council/committee marked).	ned
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and the section-specific and sec	of the Faculty Senate. Forward three typed, originally signst council/committee marked).	ned f
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and Will a transfer equivalent of the course(s) satisfy the PAC Exp Additional notes regarding any potential transfer equivalents EPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the following (please check all that apply and send to fit the program needs to go through more than one committee/committee marked. College Council (Send all undergradule forwarding either to	of the Faculty Senate. Forward three typed, originally signst council/committee marked). ouncil, forward one additional form for each additional council program changes through College Council as first step before PEC. CGEIP, or directly to Faculty Senate)	ned f
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and independent study courses will always be section-specific and the section-specific and section-specifi	of the Faculty Senate. Forward three typed, originally signst council/committee marked). Souncil, forward one additional form for each additional council, or directly to Faculty Senate) and the program changes through College Council as first step before the performance of the	ned f
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and section	of the Faculty Senate. Forward three typed, originally signst council/committee marked). ouncil, forward one additional form for each additional council program changes through College Council as first step before PEC. CGEIP, or directly to Faculty Senate)	ned f
If no, specify which course(s) will be section-specific. Note: Al independent study courses will always be section-specific and will a transfer equivalent of the course(s) satisfy the PAC Exp Additional notes regarding any potential transfer equivalents EPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the following (please check all that apply and send to fit the program needs to go through more than one committee/committee marked. College Council Professional Education Committee Committee on General Education and Intercollegiate Programs	of the Faculty Senate. Forward three typed, originally signst council/committee marked). Souncil, forward one additional form for each additional council, or directly to Faculty Senate) and the program changes through College Council as first step before the performance of the	ned f
If no, specify which course(s) will be section-specific. Note: All independent study courses will always be section-specific and independent study courses will always be section-specific and section	of the Faculty Senate. Forward three typed, originally signst council/committee marked). ouncil, forward one additional form for each additional council, or directly to Faculty Senate) and the program changes through College Council as first step before the pec, CGEIP, or directly to Faculty Senate) and changes affecting BS and MS in Education and Educational all education and multi-college program changes)	ned f



Geography Geology & Planning - Nati	ural & Applied Scien	October 29, 2013	
Department/School		Date	
B.S. in Geospatial Sciences			
Title of Major and Degree		·	
List the course(s) which will satisfy the 3-h title, and credit hours of each course.	nour Public Affairs Capstone E	experience. Be specific—include course co	ode, course number,
GRY 498 Placement Seminar in Geog the Ozarks (3) or GRY 353 Geograph	graphy, Geospatial Science ic Field Studies (2) or GRY	es and Planning (1) plus either GRY 3 470 Field Studies in Geography (2)	01 Geography of
			·
Answer all following questions related to	the course(s) entered abov	e.	
Does the course(s) currently exist? If no, a new course proposal form m	Enter yes or no. yes oust be submitted and accom	pany this program change form.	
If course(s) does exist, will a course If yes, a course change form must be	change be needed (i.e., credi e submitted and accompany	t hours, description, etc.)? Enter yes or n this program change form.	10. no
3. Is the course(s) currently required in If no, the program must be revised.	Attach a senarate sheet with	s? Enter yes or no.	ed catalog description; related to the PAC.
4. Will <u>all</u> sections of the course(s) sat	isfy the PAC Experience? Enters		s, internships, and
indoponius in the same in the			
5. Will a transfer equivalent of the cou	urse(s) satisfy the PAC Experie	ence? Enter yes or no. ves	
Additional notes regarding any pote	ential transfer equivalents.		
DEPARTMENT: Route according to ART \ to <u>one</u> of the following (please check all If the program needs to go through mor committee marked.	that apply and send to first	council/committee marked).	
College Council	(Send all undergraduate	program changes through College Council as C, CGEIP, or directly to Faculty Senate)	; first step before
Professional Education Committee	(Considers all program of Specialist degrees)	changes affecting BS and MS in Education and	l Educational
Committee on General Education an Intercollegiate Programs	, .	ducation and multi-college program changes)	
Graduate Council	(Considers all graduate-	level program changes)	
Signature Than a 4	Myst	Date 10/29/2013	<u> </u>
Department Head/Schoo	Routing on Reve	rse Side) FS Program Change	· - 9/10/2010



Geography Geology & Planning - Na	atural & Applied Scien	October 29, 2013	
Geography Geology & Planning - Na Department/School	aturar & Applied Scien	Date	
<u> </u>	· · · · · · · · · · · · · · · · · · ·		
3.S. Ed. In Earth Science Education itle of Major and Degree	<u> </u>		<u> </u>
ist the course(s) which will satisfy the sitle, and credit hours of each course.	3-hour Public Affairs Capstone Ex	perience. Be specific—include course co	de, course number
SCI 493 (6) Supervised Teaching			
		•	
			<u> </u>
Answer all following questions related	to the course(s) entered above.		
Does the course(s) currently exist	P Enter ves or no. yes		
If no, a new course proposal form	must be submitted and accompa	any this program change form.	
2. If course(s) does exist, will a cours	e change be needed (i.e., credit	hours, description, etc.)? Enter yes or no	no
If yes, a course change form must	be submitted and accompany th	is program change form.	7
 Is the course(s) currently required 	in the program for <u>all</u> students?	Enter yes or no. yes	
If no, the program must be revised	d. Attach a separate sheet with 3	 present catalog description; revised rience plus any other program changes re 	catalog description elated to the PAC.
4. Will <u>all</u> sections of the course(s) sales	atisfy the PAC Experience? Enter	yes or no. ves <u>+</u> vice learning, study away, special topics, i	internships, and
independent study courses will al	ways be section-specific and will	require special handling through the deg	ree audit system.
			-
5. Will a transfer equivalent of the c	ourse(s) satisfy the PAC Experien	ce? Enter yes or no. ves	
Additional notes regarding any po	tential transfer equivalents.		<u> </u>
			•
	<u></u>	<u> </u>	
DEPARTMENT: Route according to ART to one of the following (please check a	「VI, SEC 3B(1-4) of Bylaws of the	e Faculty Senate. Forward <u>three</u> typed, (puncil/committee marked).	originally signed to
f the program needs to go through mo	ore than one committee/council	, forward one additional form for each	additional council
committee marked.			
X College Council	(Send all undergraduate p	rogram changes through College Council as fi CGEIP, or directly to Faculty Senate)	rst step before
× Professional Education Committee	(Considers all program cha	anges affecting BS and MS in Education and E	ducational
Committee on General Education a	Specialist degrees) Ind (Considers all general edu	cation and multi-college program changes)	
Intercollegiate Programs			
Graduate Council	(Considers all graduate-lev	vel program changes)	
Signature Thomas	Hute	Date 0/29/2013	
Department Head/Scho	ol prector	Sido) ES Program Change	<u> </u>

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Geography Geology & Planning - Na	tural & Applied Scien	October 29, 2013	
Department/School		Date	
B.S. In Planning			
Title of Major and Degree			
List the course(s) which will satisfy the 3 title, and credit hours of each course.	hour Public Affairs Capstone Ex	kperience. Be specific—include cou	ırse code, course number,
PLN 572 (4) Community Planning	Practicum		
·			
	•		
Answer all following questions related t	o the course(s) entered above		
Does the course(s) currently exist?			
If no, a new course proposal form r		any this program change form.	
If course(s) does exist, will a course If yes, a course change form must be	change be needed (i.e., credit e submitted and accompany th	hours, description, etc.)? Enter yes nis program change form.	s or no. no
3. Is the course(s) currently required in If no, the program must be revised, and 3) complete new catalog inform	Attach a separate sheet with	 present catalog description; r 	
4. Will <u>all</u> sections of the course(s) sat If no, specify which course(s) will be independent study courses will alw	section-specific. Note: All serv	vice learning, study away, special to	
Will a transfer equivalent of the council Additional notes regarding any potential and the council and th	urse(s) satisfy the PAC Experien	ice? Enter yes or no. Ves	F.
	·		
DEPARTMENT: Route according to ART \ to one of the following (please check all If the program needs to go through mor committee marked.	that apply and send to first co	uncil/committee marked).	
College Council		rogram changes through College Coun	cil as first step before
Professional Education Committee		CGEIP, or directly to Faculty Senate) anges affecting BS and MS in Education	and Educational
Committee on General Education and Intercollegiate Programs		cation and multi-college program chan	ges)
Graduate Council	(Considers all graduate-lev	rel program changes)	r
Signature Manuf	Yg K	Date 6/29/20	13
Department Head/School	Pirector (Routing on Reverse	Side) FS Program Ch	ange - 9/10/2010

Missouri State University Curricular Proposal Course Change or Deletion



	Department Geography, Geolog	gy, and Planning Date October 3, 2013
:		(an aviatina COURCE
	Check one: This is a change to	an existing COORSE an existing REGULAR (i.e. permanent) SECTION of a variable content course
7	Present Catalog Description	Revised Catalog Description (Cut and paste description again, strikethrough all deletions, and insert and bold new information.)
	GRY 348 Geomorphology Prerequisite: GRY 142 or GLG 110 or both GLG 171 and GLG 172. Processes of landform development. Erosional and depositional environments created by water, wind, and ice. Hazards and limitations associated with various landforms. Field trips required. 3(2-2) F.	GRY 348 Geomorphology Prerequisite: GRY 142 or GLG 110 or both GLG 171 and GLG 172. Processes of landform development. Erosional and depositional environments created by water, wind, and ice. Hazards and limitations associated with various landforms. Geomorphology is the study of the origin, composition, and spatial distribution of surface landforms and their formative processes such as tectonic forces, chemical and physical weathering, and erosion and deposition of by water, wind, and ice. Emphasis is on geomorphic processes and landform development, methods of landform analysis, and environmental management. Case study approach is used to apply geomorphic concepts to understanding environmental hazards and sustainability and the role of humans as geomorphic agents. Field trips required. 3(2-2) F.
	What is changing? Check all boxes the	at apply.
	□Course Deletion □Course C □Credit Hours/Contact Hours	
	Reason for Proposed Change or Delet	ion
		s on environmental issues that has been incorporated into this course over the past several years.
	How Did You Determine the Need Fo	
٠,	To make catalog description match co	
	COMPLETE NEW CATALOG INFORMA	TION (typed)
	distribution of surface landforms and the and deposition of by water, wind, and in analysis, and environmental managem	both GLG 171 and GLG 172. Geomorphology is the study of the origin, composition, and spatial leir formative processes such as tectonic forces, chemical and physical weathering, and erosion ce. Emphasis is on geomorphic processes and landform development, methods of landform ent. Case study approach is used to apply geomorphic concepts to understanding ity and the role of humans as geomorphic agents. Field trips required. 3(2-2) F.
	Check if this is a non-substantive characteristic Senate; 600- through 900-level courses: approval.	ange. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after
	(please check all that apply and send to first cou	ling to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following uncil/committee marked). If proposal needs to go through more than one council/committee, forward one additional rked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.
	X_College Council	(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)
	Professional Education Committee	(Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)
	Committee on General Education and Intercollegiate Programs	(Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
	Graduate Council Signature	Considers all \$600-900 level course changes.) Date Date
	Department Head	
	V.	(Routing on Reverse Side) FS Course Change - 9/10/2010

Missouri State University Curricular Proposal Course Change or Deletion



Department Geography, Geology,	and Planning	Date	October 3, 2013
Check one: This is a change to _X	an existing COURSE		
. " · · · · · · · · · · · · · · · · · ·	-	(i.e. permanent) SECTIO	N of a variable content course
Present Catalog Description		Revised Catalog Descri (Cut and paste description again new information.)	ption a, strikethrough all deletions, and insert and bold
PLN 372 Planning Theory and Ethics This course aims to introduce students to and regional planning. Specifically, it exal theory in planning and overviews the evo paradigms from the beginning of the 20th present. Additionally, the following issues plan; how to planners plan; how can plan pluralistic society; what are the values an Finally, a major aim is for students to app between theory and praxis. 3(3-0) S.	mines the need for lution of planning century to the are investigated: why ning be achieved in a d ethics of planners?	regional planning. Specific planning and overviews the the beginning of the 20th of following issues are invest how can planning be achievalues and ethics of planning and overviews and ethics of planning and overviews are investigated as a control of the con	y and Ethics uce students to the theories of city and cally, it examines the need for theory in e evolution of planning paradigms from century to the present. Additionally, the tigated: why plan; how to planners plan; eved in a pluralistic society; what are the ers? Finally, a major aim is for students even theory and praxis. Field trip
What is changing? Check all boxes that a	• •		
□Course Deletion □Course Code □Credit Hours/Contact Hours	e □Course Nu □Periodicity		□ Prerequisite on
Reason for Proposed Change or Deletion			
This course has included a field trip for se- students aware of this requirement prior	veral years. The proposed to registering for the cours	change to the catalog descrip	tion is intended to make prospective
How Did You Determine the Need For Th	is Change or Deletion?		
To make catalog description match currer	nt course offering.		
COMPLETE NEW CATALOG INFORMATION	N (typed)		
PLN 372 Planning Theory and Ethic This course aims to introduce students theory in planning and overviews the e Additionally, the following issues are in pluralistic society; what are the values between theory and praxis. Field trip re	s to the theories of city are evolution of planning para evestigated: why plan; ho and ethics of planners?	ndigms from the beginning ow w to planners plan; how ca	of the 20th century to the present. n planning be achieved in a
Check if this is a non-substantive change. Faculty Senate; 600- through 900-level courses: three approval.			
Substantive Change: Department routes according to (please check all that apply and send to first council/form for each additional council/committee marked.	committee marked). If propos	al needs to go through more thar	one council/committee, forward one additional
X College Council	approval, College Counc committee/council or di	il will forward appropriate nu rectly to the Faculty Senate if	nust go through College Council first. After mber of copies to the next no further committee approval is needed. originally signed copies to the Faculty
Professional Education Committee	•	e course changes for Professi	onal Education courses and Teaching
Committee on General Education and Intercollegiate Programs	r	e course changes for General	Education and Intercollegiate Program
Graduate Council	Considers all 600-900 le		10/26/2013
Signature Department Head	my	Date	10/01/01/01
Department nead	(Routing on Rev	erse Side)	FS Course Change - 9/10/2010



Missouri State University Curricular Proposal Course Change or Deletion

Department Hospitality and Resta	urant Administration Date October 25, 2013
Check one: This is a change toX_	an existing COURSE
	an existing REGULAR (i.e. permanent) SECTION of a variable content course
######################################	an existing read and first permanently accretions of a surface conficure course
Present Course Code and Number H	RA 426 Course Title Food and Beverage Management
	NA 420 Course True 1000 and beverage Management
Povined Catalog Description (C/	As a constant of the control of the
HRA 426 Food and Beverage Manage	te present description from online catalog, strikethrough all deletions, and insert/bold new information.
Prerequisite: HRA 321, MTH 130; and jun	
	ion with food service components in the hospitality industry. Menu, planning, pricing, food servic
accounting, wage and labor cost control, p	purchasing, portion control, advertising, sales and other food service principles, practices and
techniques are analyzed. Credit hours:3	
Lecture contact hours:3	
Lab contact hours:0	
Typically offered: Fall, Spring Complete New Catalog Information	
HRA 426 Food and Beverage Manage	oment ·
Prerequisite: HRA 321, MTH 130; and jun	
	ion with food service components in the hospitality industry. Menu, planning, pricing, food servic
	ourchasing, portion control, advertising, sales and other food service principles, practices and
techniques are analyzed. Credit hours:3	
Lecture contact hours:3	
Lab contact hours:0	
Typically offered: Fall, Spring	
What is changing? Check all boxes that a	pply
□Course Deletion □Course Code	• • •
Credit Hours/Contact Hours	□Periodicity □Description
Reason for Proposed Change or Deletion	· · · · · · · · · · · · · · · · · · ·
The course requires a mastery of contempora	
How Did You Determine the Need For Th	
Students who haven't completed Math 130 st	
	2. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty
Senate; 600- through 900-level courses: three origin	nally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.
Substantive Change: Department routes according	to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please
check all that apply and send to first council/commi	ttee marked). If proposal needs to go through more than one council/committee, forward one additional form for ea
additional council/committee marked. See Senate A	ction 11-93/94 for definitions of substantive/non-substantive changes.
X College Council	(All substantive course changes numbered 100-599 must go through College Council first. After
	approval, College Council will forward appropriate number of copies to the next committee/council of
	directly to the Faculty Senate if no further committee approval is needed. The last level of
	committee/council will forward two originally signed copies to the Faculty Senate.)
Professional Education Committee	(Considers all substantive course changes for Professional Education courses and Teaching Methods
Committee on Consul Education	Courses.)
Committee on General Education and Intercollegiate Programs	(Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
and intervenegiate riogians	ριοροσαιστή
Graduate Council	(Considers all 600-900 level course changes.)
(4.1) 1/ ·	/ /
Signature MANAMO Her-	Date /0/25/20/3
Donartment Hea	4

(Routing on Reverse Side)



Dean Jahnke—

We have added Math 130 as the prerequisite to HRA 426 Food and Beverage Management as we have found that students who haven't taken contemporary math struggle in the course.

Missouri State University—Curricular Proposal Program Change

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M	l athematics	10/02/2013
	epartment/School Mathematics-BS Comprehensive, Mathen	Date matics-BS Noncomprehensive, Mathematics-BA Noncomprehensive
Ti	tle of Major and Degree	
	st the course(s) which will satisfy the 3-hour le, and credit hours of each course.	Public Affairs Capstone Experience. Be specific—include course code, course number,
N N	ITH 503 Advanced Calculus I, 3 credit ho ITH 532 Abstract Algebra, 3 credit hours ITH 540 Statistical Theory I, 3 credit hou	
. IV	1TH 497 Topics, 1 credit hour	
Ar	nswer all following questions related to the	course(s) entered above.
1	 Does the course(s) currently exist? Enter If no, a new course proposal form must be 	be submitted and accompany this program change form.
2	. If course(s) does exist, will a course chan If yes, a course change form must be sub	nge be needed (i.e., credit hours, description, etc.)? Enter yes or no. omitted and accompany this program change form.
3	. Is the course(s) currently required in the If no, the program must be revised. Atta and 3) complete new catalog information	program for <u>all</u> students? Enter yes or no. ach a separate sheet with 1) present catalog description; 2) revised catalog description; n specifying the PAC Experience plus any other program changes related to the PAC.
4	If no, specify which course(s) will be sect	he PAC Experience? Enter yes or no. ion-specific. Note: All service learning, study away, special topics, internships, and e section-specific and will require special handling through the degree audit system.
	(1) YES;	
	(2) NO;	
	(3) YES;	
	(4) YES.	
. 5.	. Will a transfer equivalent of the course(s Additional notes regarding any potential	s) satisfy the PAC Experience? Enter yes or no. transfer equivalents.
	(5) NO. Transfer students come into	our program before Junior level status and would need to take all of the above
	courses to complete a program in ma	athematics. Exceptions should be made on an individual basis.
to If t	one of the following (please check all that	C 3B(1-4) of Bylaws of the Faculty Senate. Forward <u>three</u> typed, originally signed form: apply and send to first council/committee marked). n one committee/council, forward one additional form for each additional council/
<u>X</u>	College Council	(Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate)
	Professional Education Committee	(Considers all program changes affecting BS and MS in Education and Educational Specialist degrees)
	Committee on General Education and Intercollegiate Programs	(Considers all general education and multi-college program changes)
	Graduate Council	(Considers all graduate-level program changes)
	— (12) OB. 11.	Pate 10/28/012
Sig	Department Head/School Direct	tor

FS Program Change - 9/10/2010

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(17)	

Mathematics	10/	/02/2013	
Department/School	Date	e	
Mathematics BSED			_
Title of Major and Degree			
List the course(s) which will satisfy the 3-hou title, and credit hours of each course.	ır Public Affairs Capstone Experience. Bo	e specific—include course c	ode, course number,
MTH 493 Supervised Teaching, 3 credit	hours		٠.
MTH 494 Supervised Teaching, 3 credit			
MTH 497 Topics, 1 credit hour			
			·
	•		
	·		.*
Answer all following questions related to th	e course(s) entered above.		
			•
 Does the course(s) currently exist? Enter If no, a new course proposal form must 	er yes or no. t be submitted and accompany this prop	gram change form.	
2. If course(s) does exist, will a course cha If yes, a course change form must be su	inge be needed (i.e., credit hours, descr ubmitted and accompany this program o	ription, etc.)? Enter yes or n change form.	· · · · · · · · · · · · · · · · · · ·
3. Is the course(s) currently required in th	e program for <i>all</i> students? Enter yes o	or no.	
3. Is the course(s) currently required in the if no, the program must be revised. Attached and 3) complete new catalog information	tach a senarate sheet with 1) present ca	atalog description; 2) revise	d catalog description related to the PAC.
 Will <u>all</u> sections of the course(s) satisfy If no, specify which course(s) will be sec independent study courses will always 	ction-specific. Note: All service learning	, study away, special topics cial handling through the de	, internships, and egree audit system.
(1) Yes;			÷
(2) No;			
(3) Yes			
(4) Yes			
5. Will a transfer equivalent of the course Additional notes regarding any potential	(s) satisfy the PAC Experience? Enter ye al transfer equivalents.	es or no.	
(5) No.			•
All of these courses are taken in the	e Senior year, it is highly unlikely tha	it students will have trans	fer credit.
		Farmerd throo typed	originally signed for
DEPARTMENT: Route according to ART VI, S to one of the following (please check all that If the program needs to go through more the committee marked.	t annly and send to first council/comm	nittee marked).	
	(Send all undergraduate program chang	ses through College Council as	first step before
X_College Council	forwarding either to PEC, CGEIP, or dire	ctly to Faculty Senate)	
Professional Education Committee	(Considers all program changes affecting Specialist degrees)	g BS and MS in Education and	Educational
Committee on General Education and Intercollegiate Programs	(Considers all general education and mu	ulti-college program changes)	
Graduate Council	(Considers all graduate-level program cl	hanges)	
	(==::==:=:=::::::::::::::::::::::::::	_	
11/01		0/26/013	

(Routing on Reverse Side)



Ph	ysics, Astronomy and Materials Science		Oc	tober 29, 2013]
Dep	partment/School		Date	е		_ _
BS	Physics					
Title	e of Major and Degree					=
	the course(s) which will satisfy the 3-hour Pe, and credit hours of each course.	ublic Affairs Capsto	one Experience. Bo	e specific—include co	ourse code, cour	se number,
PH	IY 385 Experiments in Modern Physics (2 IY 386 Undergraduate Research I (1 cred IY 486 Undergraduate Research II (1 cre	lit hour)				
	· · · · · · · · · · · · · · · · · · ·	•				
Ans	wer all following questions related to the co	ourse(s) entered a	bove.	,	<u></u> -	·-··
1.	Does the course(s) currently exist? Enter y If no, a new course proposal form must be		company this prog	gram change form.		
2.	If course(s) does exist, will a course change If yes, a course change form must be subm	be needed (i.e., c itted and accompa	redit hours, descr any this program o	iption, etc.)? Enter ye change form.	es or no. no	
3.	Is the course(s) currently required in the part of the program must be revised. Attachand 3) complete new catalog information s	a separate sheet	with 1) present ca	italog description; 2)	revised catalog of anges related to	description; the PAC.
4.	Will <u>all</u> sections of the course(s) satisfy the If no, specify which course(s) will be sectio independent study courses will always be seemed.	n-specific. Note: A	Il service learning,	study away, special	topics, internship the degree audi	ps, and t system.
•				•		
•			•		•	
						14
5.	Will a transfer equivalent of the course(s) s Additional notes regarding any potential tr			s or no. no		
						<u> </u>
						•
to <u>o</u> If th	ARTMENT: Route according to ART VI, SEC 3 ne of the following (please check all that ap e program needs to go through more than of mittee marked.	ply and send to fir	st council/comm	ittee marked).	·	•
V				es through College Cour	ncil as first step be	fore
	Professional Education Committee	Considers all progra		tly to Faculty Senate) gBS and MS in Educatio	n and Educational	
		Specialist degrees) Considers all genera	l education and mu	lti-college program cha	nges)	
Sign	Graduate Council ature Department Head/School Director	Considers all gradua	te-level program ch	langes) 10 - 29 - 1	3	

(Routing on Reverse Side)



Physics, Astronomy and Materials Science	ence	October 29, 2013	
Department/School		Date	
BS Ed Physics			
Title of Major and Degree			
List the course(s) which will satisfy the 3-ho title, and credit hours of each course.	our Public Affairs Capstone	Experience. Be specific—include course coc	le, course numb
SCI 493 Supervised Teaching (Second	lary Science) (6 credit ho	urs)	<u></u>
		•	
newer all following guestions and the de-			·
Answer all following questions related to t	ne course(s) entered above	·····	
1. Does the course(s) currently exist? En	ter yes or no. <u>yes</u>		
If no, a new course proposal form mus	st be submitted and accomp	pany this program change form,	
If course(s) does exist, will a course ch If yes, a course change form must be s	ange be needed (i.e., credit submitted and accompany t	hours, description, etc.)? Enter yes or no. his program change form.	no
3. Is the course(s) currently required in the	he program for <i>all</i> students	2 Enter yes or no Ves	
If no, the program must be revised. At	ttach a separate sheet with	1) present catalog description, 3) revised a	atalog descriptio
and 3) complete new catalog informat	ion specifying the PAC Expe	rience plus any other program changes rela	ated to the PAC.
 Will <u>all</u> sections of the course(s) satisfy If no, specify which course(s) will be se independent study courses will always 	ection-specific. Note: All ser-	yes or no. yes vice learning, study away, special topics, in require special handling through the degre	ternships, and
		and any and agent the degree	e adult system.
	· · · · · · · · · · · · · · · · · · ·		
. Will a transfer equivalent of the course Additional notes regarding any potentia	(s) satisfy the PAC Experien al transfer equivalents.	ce? Enter yes or no.	
			·
1			•
PARTMENT: Route according to ART VI. S	FC 3R/1-4) of Rylaws of the	Faculty Senate. Forward three typed, orig	
one or the joinowing (blease check all that	r apply and send to tiret co	uncil/commiètes markadì	
he program needs to go through more the mittee marked.	an one committee/council,	forward one additional form for each add	litional council/
College Council	(Send all undergraduate pr	ogram changes through College Council as first	step before
Professional Education Committee	torwarding either to PEC, C	GEIP, or directly to Faculty Senate) nges affecting BS and MS in Education and Educ	
Committee of General Education and Intercollegiate Programs	Specialist degrees)	ation and multi-college program changes)	auonal
Graduate Council	(Considers all graduate-leve	el program changes)	
nature /////////	·	Date 19-29-13	

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Page 1 of 2

Missouri State University Curricular Proposal Program Change or Deletion

Department Natural and Applied Science	ces		·		Date	October 29, 2013
Title of Program Affected Master of Natur	al and Applied	Science (Inte	erdisciplinary	Program)		
Type of Program: Major_XComprehensise Academic Rules Other		Option	Minor	Certificate	Certification	
Revised Catalog Description (cut and paste pre	sent description	from online o	atalog, striket	hrough all deletion	ns, and insert and bo	ld new information)
The Professional Science Master Designation (Old)					·	·
A student who selects business as the second area Professional Science Master (PSM) designation. The		-			•	ts will receive the
The Professional Science Master Designation (New)			•		
A student is eligible to receive the Professional Scienard three courses from the following seven offers. The PSM designation is approved and recognized to	ed through the (College of Bus	iness: ACC 600), CIS 600, FIN 600	, LAW 600, MGT 600	
Complete New Catalog Description						
See Attachment A						
Total Hours 32		·				
What is changing? Check all boxes that apply Title change Course changes of under 18 hours Course changes of 18 hours or more	From op	otion to prog ogram (majo n or option d	r) to option	_X Other_	Description Chang	<u>ge</u>
Reason for Proposed Change					•	
Clarify Degree Requirements					•	
DEPARTMENT: Route according to ART VI, SI one of the following (please check all that ap than one committee/council, forward one ad	ply and send t Iditional form	to first cound for each add	cil/committe litional coun	e marked). If the cil/ committee r	e program needs t marked.	o go through more
XCollege Council			ogram change: Faculty Senat		Council as first step	before forwarding eithe
Professional Education Committee	(Considers all	program chai	nges affecting	BS and MS in Educ	cation and Education	al Specialist degrees)
Committee on General Education and Intercollegiate Programs	(Considers all	general educ	ation and mu l t	ti-college program	changes)	
X Graduate Council	(Considers all	l graduate-leve	el program cha	nges)	•	
Signature		_	Date		· · · · · · · · · · · · · · · · · · ·	

Department Head