Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	School of Business
___ New Course (Parts II, IV)	College	Business & Technology
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Certificate in Foundations of Business Thought
___ Program Suspension (Part III)		
X New Program (Part III)	If Certificate, indicate Long-Term (University) or <mark>Short-Term (Departmental)</mark>	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	12/1/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	12/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	1/26/2018		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

New graduate certificate in business

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

NA

B. The justification for this action:

The MBA Experience has been designed in such a way that courses required for a competency to be gained are grouped together by term. This allows for the first three terms of the program to each offer a Certificate (nine credit hours) upon completion of the courses included in that term. The concept of the stackable certificates should be especially attractive to students who are unsure whether they want to pursue an MBA.

The Certificate in Foundations of Business Thought is comprised of courses in the newly revised MBA program. It targets knowledge, skills, and abilities that employers have identified as important. The certificate allows students to gain the essential skills needed without completing the entire MBA program; at the same time, successful completion of the certificate might encourage them to continue with the MBA.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text (*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.) Certificate in Foundations of Business Thought   <u>The Certificate in Foundations of Business Thought is designed to provide individuals who have a bachelor's degree with essential business management skills, including written and oral communication, persuasion, business etiquette, quantitative thinking, data analytics, and design thinking.</u>   <u>Certificate Requirements……………………………………………………….. 9 hours</u>   <u>MBA 800, 811, 812, 813, 814, AND 815</u>

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	School of Business
___ New Course (Parts II, IV)	College	Business & Technology
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Certificate in Technical Skills of Financial and People Management
___ Program Suspension (Part III)		
X___ New Program (Part III)	If Certificate, indicate Long-Term (University) or <mark>Short-Term (Departmental)</mark>	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	12/1/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	12/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	1/26/2018		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

New graduate certificate in business

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The MBA Experience has been designed in such a way that courses required for a competency to be gained are grouped together by term. This allows for the first three terms of the program to each offer a Certificate (nine credit hours) upon completion of the courses included in that term. The concept of the stackable certificates should be especially attractive to students who are unsure whether they want to pursue an MBA.

The Certificate in Technical Skills of Financial and People Management is comprised of courses in the newly revised MBA program. It targets knowledge, skills, and abilities that employers have identified as important. The certificate allows students to gain the essential skills needed without completing the entire MBA program; at the same time, successful completion of the certificate might encourage them to continue with the MBA.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part III. **Recording Data for Revised or Suspended Program**

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)
Certificate in Technical Skills of Financial and People Management
<u>The Certificate in Technical Skills of Financial and People Management is designed to build upon the MBA Certificate in Foundations of Business Thought with additional essential business management skills, including using accounting information for decision making, managing human resources, financial management, organizational behavior, and design thinking.</u>
<u>Certificate Requirements…………………………………………………….. 9 hours</u>
<u>MBA 821, 822, 823, 824, AND 825</u>

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	School of Business
_____ New Course (Parts II, IV)	College	Business & Technology
_____ Course Revision (Parts II, IV)	*Course Prefix & Number	
_____ Hybrid Course ("S," "W")	*Course Title (full title±)	
_____ New Minor (Part III)	*Program Title	Certificate in Transformation of Inputs to Outputs
_____ Program Suspension (Part III)		
X ..New Program (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	12/1/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	12/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	1/26/2018		

   *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

New graduate certificate in business

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

NA

B. The justification for this action:

The MBA Experience has been designed in such a way that courses required for a competency to be gained are grouped together by term. This allows for the first three terms of the program to each offer a Certificate (nine credit hours) upon completion of the courses included in that term. The concept of the stackable certificates should be especially attractive to students who are unsure whether they want to pursue an MBA.

The Certificate in Transformation of Inputs to Outputs is comprised of courses in the newly revised MBA program. It targets knowledge, skills, and abilities that employers have identified as important. The certificate allows students to gain the essential skills needed without completing the entire MBA program; at the same time, successful completion of the certificate might encourage them to continue with the MBA.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part III. **Recording Data for Revised or Suspended Program**

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions. 2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text (*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.) Certificate in Transformation of Inputs to Outputs <u>The Certificate in Transformation of Inputs to Outputs builds upon MBA Certificates in Foundations of Business Thought and Technical Skills of Financial and People Management with additional business management skills, including entrepreneurial thinking, marketing management, supply chain and logistics, enterprise risk management, and design thinking.</u>   <u>Certificate Requirements……………………………………………………….. 9 hours</u>   <u>MBA 831, 832, 833, 834, AND 835</u>

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	English & Theatre
New Course (Parts II, IV)	College	CLASS
Course Revision (Parts II, IV)	*Course Prefix & Number	
Hybrid Course ("S," "W")	*Course Title (full title±)	
New Minor (Part III)	*Program Title	Professional & Technical Writing
Program Suspension (Part III)		Short-Term (Departmental) Certificate
Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
X New Certificate	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/23/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Create new certificate

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action: The Department of English no longer offers a concentration in Technical Writing. More importantly, Technical and Professional Writers get jobs. Technical and Professional Writing has been a growing career field over the past several decades and the Bureau of Labor Statistics from the U.S. Department of Labor predicts that the number of jobs will grow by 10% (which is faster than average) over the next decade. (Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Technical Writers, on the Internet at https://www.bls.gov/ooh/media-and-communication/technical-writers.htm visited September 03, 2017.)

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None. Courses are already being offered.

Operating Expenses Impact: None

Equipment/Physical Facility Needs: No new

Library Resources: Sufficient

Part III. **Recording Data for Revised or Suspended Program**

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Departmental Certificate in Professional & Technical Writing

<u>The Certificate in Professional and Technical Writing (CPTW) is designed for two primary groups: 1) Current EKU students from a wide variety of majors (e.g., the Sciences, Engineering, the Humanities, etc.) who wish to improve their writing and communication skills and improve their job prospects. 2) Non-degree-seeking business people from the region who want to improve their writing and communication skills and/or document those skills (in Certificate form) for present/future employers. With an emphasis on improving their writing, students pursuing a CPTW will learn how to communicate effectively – using text, speech, visual design, and interactive theory – in several multimedia formats, for technical, professional, and general audiences in regional, national, and international contexts. Upon completion of the CPTW, students will have learned first how to effectively gather, organize, and analyze pertinent information for a professional project, and then how to compose, revise, and present the results to the intended audiences across all industries.</u>

 Core Requirements………………………………………18 hours

<u>ENG 300; ENG 400; ENG 500; BEM 202; BEM 203; CCT 310</u>

New Minor, Concentration, or Department Certificate
Proposal Approval Form

When proposing a new minor, concentration, or department certificate, the following factors should be considered:

- Minors and certificates often add time to degree.
- Minors can increase the number of credit hours that students have at graduation.
- Minors and certificates can potentially increase student debt because of the factors above.
- Minors, concentrations, and department certificates can significantly add to faculty workloads.
- Minors, concentrations, and department certificates increase the need for oversight and administration.

The following information should be provided in addition to the normal curriculum change forms. Before a new minor, concentration, or department certificate is submitted to CAA, the Dean must approve the proposal based on the information on this form and any other information requested by the Dean.

PROFESSIONAL AND TECHNICAL WRITING
DEPARTMENTAL CERTIFICATE

From the Proposing Program

1. How will the new minor, concentration, or department certificate attract new students to EKU? On what is this based? What is the marketing plan?

   Two potential groups of people who might seek a Professional and Technical Writing Certificate (PTWC) include:
   1. Current EKU students from a wide variety of majors (e.g., the Sciences, Engineering, the Humanities, etc.) who wish to improve their writing and communication skills and improve their job prospects
   2. Non-degree-seeking business people from the Richmond-Lexington area who not only wish to improve their writing and communication skills, but who also want to document those skills (in Certificate form) for present and future employers.

   The marketing plan consists of four parts:
   1. Designing a website, bookmark, and postcard to advertise the program and highlight its benefits.
   2. Recording a 4-minute recruitment video to present to potential certificate seekers.
   3. Visiting ENG 102 and CMS 100 classes.
   4. Speaking to the Richmond Chamber of Commerce.

2. What is the justification for the proposed curriculum proposal? (i.e., industry demand, job market, accreditation requirement, etc.) Provide evidence.

   The Department of English no longer offers a concentration in Technical Writing. More importantly, Technical and Professional Writers get jobs. Technical and Professional Writing has been a growing career field over the past several decades and the Bureau of Labor Statistics from the U.S. Department of Labor predicts that the number of jobs will grow by 10% (which is faster than average) over the next decade. (Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2016-17 Edition,*

Technical Writers, on the Internet at https://www.bls.gov/ooh/media-and-communication/technical-writers.htm visited *September 03,* 2017.)

We can point to two primary reasons that the field of Technical and Professional Writing will continue to expand:

1. As technology becomes more integral and more pervasive within most of the business (and research and non-profit) community, employers will need more people who can "communicate" that technology from one group to another, both within the organization, as well as to customers, clients, suppliers, and other businesses outside of the organization.

2. As organizations continue to grow in size and complexity, good managers recognize the need to document the processes within that organization in order to maintain productivity and efficiency from one generation of workers to the next. Technical and Professional Writers are the employees responsible for documenting those processes.

3. What are the qualifications of the faculty to teach the curriculum? Are there sufficient faculty resources to teach the curriculum? Explain.

    There are sufficient faculty resources to teach the curriculum.

Dr. Rick Mott teaches three of the six classes: ENG 300 - Introduction to Technical and Professional Writing; ENG 400 - Advanced Technical Writing and Document Production; and ENG 500 - Digital Literacy: Visual Rhetoric. Mott has seven years of professional experience as a writer for business (in both corporate and family-run businesses), he specialized in Technical Writing while earning his doctorate in English Language and Literature, he coordinated the Technical Writing concentration in the English rnajor at EKU for the past eight years, and he has been teaching Technical and Professional Writing at the university level for almost 20 years.

BEM 202 and BEM 203 are taught by the following faculty:

Dr. Deborah T. Givens, chair, Department of Communication.Givens completed a 20-year career as a journalist working as an editor for Al Smith Communications and founding and owning her own newspaper, The Butler County Banner. She has served as the Region 5 Director and national board member of the Society of Professional Journalists and as board member of the International Society of Weekly Newspaper Editors. She is also a board member for the Kentucky Press Association. Givens has a bachelor's degree in journalism from Ball State University and has been named an outstanding alum of the BSU journalism program. She later earned an MPA from Western Kentucky University where she was outstanding graduate student and a Ph.D. in Communication from the University of Kentucky.

Dr. Ginny Whitehouse is a professor of Journalism in the newly forming Multimedia News program. She teaches Multimedia News Writing, Media Ethics, Media Law, and Media and Society. She researches media ethics, particularly concerning privacy and social media. She is the Cases & Commentaries editor for the Journal of Mass Media Ethics

and serves on the journal's editorial board. Her recent publications include the ethics and diversity chapter of the Mass Media Ethics Handbook and an article advocating clearer ethical standards for journalists using social media in the Journal of Mass Media Ethics. Before coming to EKU, Dr. Whitehouse taught for 15 years at Whitworth University in Spokane, Wash., where she also served as department chair. Previously, she chaired the Media Ethics Division of the Association for Education in Journalism and Mass Communication and the National Journalism Education Committee for the Society of Professional Journalists. She earned both her master's and doctorate from the University of Missouri-Columbia School of Journalism, and served a journalist for newspapers in Tennessee and Alabama, as well as for a religion news service in Southeast Asia.

-**Tricia Fulkes Kelley** is serving as adviser to The Eastern Progress and also teaches the BEM 203 class. She has worked professionally and also has taught at WVU. A 2016 Knight Innovator in Residence and one of the Online News Association's 2012 MJ Bear fellows, she holds contracts with the Smithsonian Institution, assisting projects in online presence and storytelling. Her work within the Smithsonian's National Museum of Natural History has allowed her to expand her understanding and writing in various scientific research fields, including biodiversity, environmental change, genetics and food security. Currently, Kelley is working alongside West Virginia University Reed College of Media professors Joel Beeson and Dana Coester in the development of Black TimeMap, a virtual reality app telling stories of African-American soldiers' experience in World War I. She serves as an adjunct professor at Eastern Kentucky University and teaches and develops online curriculum at the Reed College of Media. Kelley served as associate producer for The Peabody award-winning, Emmy-nominated interactive documentary, "Hollow." She previously held positions at PBS Frontline, The Journal {Martinsburg, W.Va.) and The Shepherdstown {W.Va.) Chronicle, and she has written for the publication formerly known as The Charleston {W.Va.) Daily Mail, WV Living Magazine and various online and print publications. An award-winning journalist and newspaper editor with honors from the West Virginia Press Association and the Society of Professional Journalists, Kelley holds a master's degree in interactive journalism from The American University and a bachelor's degree in news-editorial from West Virginia University.

-**Dr. Jim Willis** recently relocated to the area after a career as a journalist, professor, and department chair. He is currently teaching BEM 202 the information gathering class. Willis, a veteran news reporter and editor, earned his Ph.D. in Journalism from the University of Missouri. He has taught at the university level for three decades, chairing departments at Boston College, Ball State University, and Azusa Pacific University, and held endowed professorships at the University of Oklahoma and the University of Memphis. He has authored or co-authored 12 books on the media and one on college football. A frequent overseas lecturer, Willis has participated in six lecture tours for the U.S. State Department. He continues to work as a special correspondent and has covered the 1995 Oklahoma City bombing, and the 10th and 20th anniversaries of the fall of the Berlin Wall. His honors include a Certificate of Appreciation from the U.S. Embassy in Berlin, and Undergraduate Faculty Scholar of the Year for 2009 at Azusa Pacific University.

4. What are the potential costs of the proposed curriculum addition, especially 3-5 years from implementation? Fully explain the answer, particularly if there are no perceived costs.

- Because all the courses are currently being taught, there are no new costs associated with this proposed certificate.

- Because 50% of the curriculum is taught by Technical Writing instructors, the department of English (more specifically, the current coordinator of the soon-to-be-retired Technical Writing concentration) will take responsibility for administering the program.

- Because the PTWC emphasizes practical business skills, one of the assignments in ENG 400 – Advanced Technical Writing and Document Production requires students to give informational and recruitment presentations in collaborative teams to 3 other academic classes (usually ENG 102 and CMS 100, but other classes can be substituted).

Departmental Certificate in Professional & Technical Writing

Description TBA (Rick Mott will complete for Undergraduate Catalog)

Core Requirements .... 18 hours

ENG 300; ENG 400; ENG 500; BEM 202; BEM 203; CCT 310

From the Dean

How will costs of the proposed addition be covered? (Complete A or B, or both if applicable)
A. New Resources. Explain.

B. Reallocation of resources. Explain.

I have thoroughly reviewed the proposal and the above responses and I support the proposal moving forward.

_____
Dean's Signature

10/5/2017
Date

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Government & Economics
___ New Course (Parts II, IV)	College	Letters, Arts, & Social Sciences
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Public Administration
___ Program Suspension (Part III)		Short-Term Departmental Certificate
___ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
_X_ New Certificate (Dept)	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/25/17	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Create departmental certificate.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

FALL 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

This new certificate mirrors the recently removed "track" in the Bachelor of General Studies – Professional track. This new certificate will be open to all students, regardless of degree and regardless of campus (online and in-person classes available). The certificate can be earned along the way to a degree and can provide students with a tangible reward before they complete 120 hours, and, perhaps, motivate them to continue their education.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None. The classes already exist in person and via e-Campus

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part III. **Recording Data for Revised or Suspended Program**

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

DEPARTMENT OF GOVERNMENT AND ECONOMICS
Chair
Prof. Lynnette Noblitt
(859) 622-5931
Beckham 100

Faculty
S. Barracca, L. Beaty, A. Cizmar, C. Cyr, J. Gershtenson, L. Goshell, C. Harter, J. Harter, R. Houston, M. Howell, K. Kalkan, J. Kim, C. Lopes, M. Mohanty, L. Noblitt, J. O'Connor, G. Pradhan, F. Ruppel, R. Swain, J. Wade, D. Wilson, and L. Wimberly.

<u>Certificate in Public Administration</u> *(CIP 44.04)*
<u>Public Administration is an ideal certificate for individuals planning careers in public service in local, state, regional, and federal government and in non-profit management. In addition, the certificate prepares individuals in the private sector who have responsibility for public sector contracts, regulatory compliance, and other oversight activities.</u>

<u>POL 101, 370, 374, and any three of the following POL 373, 376, 377, or 533.</u>
Total Curriculum Requirements: ....18 hours

New Minor, Concentration, or Department Certificate
Proposal Approval Form

When proposing a new minor, concentration, or department certificate, the following factors should be considered:

- Minors and certificates often add time to degree.
- Minors can increase the number of credit hours that students have at graduation.
- Minors and certificates can potentially increase student debt because of the factors above.
- Minors, concentrations, and department certificates can significantly add to faculty workloads.
- Minors, concentrations, and department certificates increase the need for oversight and administration.

The following information should be provided in addition to the normal curriculum change forms. Before a new minor, concentration, or department certificate is submitted to CAA, the Dean must approve the proposal based on the information on this form and any other information requested by the Dean.

From the Proposing Program

PROPOSED NEW DEPARTMENTAL CERTIFICATE: PUBLIC ADMINISTRATION

1. How will the new minor, concentration, or department certificate attract new students to EKU? On what is this based? What is the marketing plan?

The courses in the new Certificate duplicate courses already offered for the minor in Public Administration.

New students may be attracted to the opportunity to earn a departmental-level certificate since any student may earn it, regardless of degree. The Certificate can be earned along the way to a degree and can provide students with a tangible reward before they complete 120 hours, and, perhaps, motivate them to continue their education.

e-Campus will actively market the Certificate per the usual methods. Faculty in Government will inform students of the option to earn the Certificate.

2. What is the justification for the proposed curriculum proposal? (i.e., industry demand, job market, accreditation requirement, etc.) Provide evidence.

This new Certificate mirrors the recently removed "track" in the Bachelor of General Studies – Professional Track, and is proposed in response to administrators' requests for such certificates to serve e-Campus and on-campus adult learners. The new Certificate will be open to all students, regardless of degree and regardless of campus (online and in-person classes available).

The courses in the new Certificate duplicate courses already offered for the minor in Public Administration.

3. What are the qualifications of the faculty to teach the curriculum? Are there sufficient faculty resources to teach the curriculum? Explain. **Existing faculty in Government are qualified to teach the courses. No new resources are needed.**

4. What are the potential costs of the proposed curriculum addition, especially 3-5 years from implementation? Fully explain the answer, particularly if there are no perceived costs. **None.**
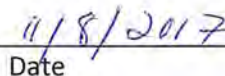
From the Dean

How will costs of the proposed addition be covered? (Complete A or B, or both if applicable)

    A. New Resources. Explain.

    B. Reallocation of resources. Explain.

I have thoroughly reviewed the proposal and the above responses and I support the proposal moving forward.

_____   11/8/2017_____

Dean's Signature   Date

<mark>New</mark> Minor, <mark>Concentration,</mark> or Department Certificate
Proposal Approval Form

When proposing a new minor, concentration, or department certificate, the following factors should be considered:

- Minors and certificates often add time to degree.
- Minors can increase the number of credit hours that students have at graduation.
- Minors and certificates can potentially increase student debt because of the factors above.
- Minors, concentrations, and department certificates can significantly add to faculty workloads.
- Minors, concentrations, and department certificates increase the need for oversight and administration.

The following information should be provided in addition to the normal curriculum change forms. <u>Before a new minor, concentration, or department certificate is submitted to CA, the Dean must approve the proposal based on the information on this form and any other information requested by the Dean.</u>

<u>From the Proposing Program</u>

1. How will the new minor, concentration, or department certificate attract new students to EKU? On what is this based? What is the marketing plan?

> Recent program changes in Biological Sciences (dropping the Environmental Studies and adding the Biomedical Sciences degree programs) have left no options for students with interests in conservation of biodiversity. Further, the current course plan in the Botany concentration is restricting and prevents many students completing the concentration. <mark>We are proposing a new concentration (Biodiversity and Conservation)</mark>, while suspending the Botany option, that capitalizes on the strengths of our current faculty and biodiversity-oriented upper division courses. We anticipate the new option will: 1) serve as a brand that will help prospective students find a niche within the biological sciences, 2) be of interest to students that would have selected the Environmental Studies degree, and 3) continue to serve students with interests in botany but with a more flexible plan of courses. The Department of Biological Sciences will market the new concentration through EKU Spotlight Day activities, College-sponsored freshman undeclared majors meetings, WEKU radio ads, and the department's web site and Facebook page.

2. What is the justification for the proposed curriculum proposal? (i.e., industry demand, job market, accreditation requirement, etc.). Provide evidence.

> The U.S. Bureau of Labor Statistics reports that the employment of conservation scientists is expected to increase 7% from 2014 to 2024, which is the same as the

national average for all job opportunities. A bachelor's of science degree in biology with a concentration in 'Biodiversity and Conservation' should set our students apart and help them compete in competitive job market. The new concentration will provide students with knowledge of organisms and an introduction to conservation, basic technical skills (e.g. GIS) and environmental science. Given that natural-history education continues to be in a state of steep decline (Tewksbury et al. 2014), this new concentration is an opportunity to broadcast the strengths of our faculty and curriculum. The Department of Biological Sciences is well suited to prepare students for conservation-oriented jobs with state and federal agencies and non-profit groups because 11 of our current faculty are actively engaged in biodiversity and conservation–oriented research, the department houses valuable natural history collections, and we offer many natural history courses that provide direct knowledge of organisms.

Tewksbury, J.J., Anderson, J.G., Bakker, J.D., Billo, T.J., Dunwiddie, P.W., Groom, M.J., Hampton, S.E., Herman, S.G., Levey, D.J., Machnicki, N.J., and Del Rio, C.M. 2014. Natural History's Place in Science and Society. BioScience, 64(4), 300-310.

3. What are the qualifications of the faculty to teach the curriculum? Are there sufficient faculty resources to teach the curriculum? Explain.

    All courses in the new concentration are currently offered within existing programs. The new concentration will not alter the number or qualifications of faculty necessary to offer the courses in the new concentration.

4. What area the potential costs of the proposed curriculum addition, especially 3-5 years for implementation? Fully explain the answer, particularly if there are no perceived costs.

    There is no additional cost involved. All courses and resources are currently in place.

From the Dean
How will costs of the proposed addition be covered? (Complete A or B, or both if applicable)

    A. New Resources. Explain
No new resources are needed. The program is suspending one concentration (Botany) and replacing it with this one. All courses on the new concentration are currently being offered for other existing majors and minors.
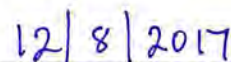
    B. Reallocation of resources. Explain

The only reallocation needed is, if there is significant growth, the department would need to increase course capacity or offer more sections, while decreasing seats in courses with less demand.

I have thoroughly reviewed the proposal and the above responses and I support the proposal moving forward.

_____
Dean's Signature

_____12|8|2017_____
Date

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Biological Sciences
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Biology B.S. Botany Concentration
___ Program Suspension (Part III)		
_X_ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	9 / 20 / 2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested:

Replace the Botany concentration with a new Biodiversity and Conservation concentration.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable): Fall 2020

B. The justification for this action:

Recent changes to degree programs and concentrations in Biological Sciences (suspending Environmental Studies, adding the Biomedical Sciences degree programs) have left no options for students with interests in conservation of biodiversity. Further, the course plan in the Botany concentration is restricting and prevents many students from completing the Botany option. We are proposing a new concentration (Biodiversity and Conservation), while suspending the Botany concentration, that capitalizes on the strengths of our current faculty and our rich list of biodiversity-oriented upper division courses. We anticipate the new option will:
  1) serve as a brand that will help prospective students find a niche within the biological sciences,
  2) serve students that would have selected environmental studies as a degree option, and
  3) continue to serve students with interests in botany but with a more flexible plan of courses.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None anticipated. All courses in the new concentration are currently offered within existing programs.

Operating Expenses Impact: None anticipated

Equipment/Physical Facility Needs: Current equipment/physical facilities adequate

Library Resources: Current library resources adequate

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Bachelor of Science (B.S.)
BIOLOGY
CIP Code: 26.0101

UNIVERSITY GRADUATION REQUIREMENTS
- General Education.. 36 hours
- Student Success Seminar .... 1 hour
  (SCO 100; waived for transfers with 30+ hrs.)
- Writing Intensive Course (hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses *(42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)*
- ACCT - Biology majors will fulfill ACCT with one of the following: BIO 320, 349, 598, HON 420 with a thesis topic approved by the Biology department, a program-approved leadership experience, or a program-approved study abroad experience. (Credit hours are incorporated into program requirements below.)

Total Hours University Graduation Requirements ....37 hours

MAJOR REQUIREMENTS
Core Courses ....29 hours
    BIO 111(4), 112(4), 315(4), 316(4), 318(4), 319(4), 320(4), and 495(1).

Concentrations: (Must select at least one; courses used for one concentration may not count toward another concentration.)
    Aquatic Biology ....15 hours
    BIO 525, 542, 557, 558, and one course from BIO 556, 561, or GLY 315.
    ~~**Botany ....15-16 hours**~~
    ~~BIO 335, 521(4), 598 (Must enroll for at least 2 cr.hrs.), and two courses from BIO 522, 525, 536, 599 (Must enroll for 3 cr. hrs.).~~
    <u>**Biodiversity and Conservation………………………….15-17**</u>
    <u>BIO 514, BIO 532, 6 hours from BIO 335, 342(4), 525, 528, 536, 542, 553, 554, 556, 557, 595 and 3 hours from BIO 349(1-3), 520, 521(4), 550(4), 555, 558, 561, 598(1-3).</u>
    General Biology..12 hours
    Choose 12 hours from the following: any 300, 400, or 500 level BIO, CHE, or PHY course not included in Biology Core or from which Biology majors are not excluded, ~~CHE 362/362L(4), or~~ PHY 132(5) or PHY 202(5). *Students applying to graduate school are strongly advised to include CHE 362/362L(4) and PHY 132(5) or 202(5) as part of the 12 hours*
    Biology Teaching...3 hours
    BIO 348

Supporting Course Requirements:
    <u>**Aquatic Biology and General Biology**</u> ~~**All options (except Biology Teaching)**~~**..............14-16 hours**
    CHE 111/111L (4) (^GElement 4), 112/112L (4), 361/361L (4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2), or 211(^GElement 2); PHY 131(5) or 201(5) (GElement 4); STA 215 or STA 270(4). (^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)
    <u>**Biodiversity and Conservation………………………….20-23**</u>
    <u>CHE 111/111L (4) (^GElement 4), 112/112L (4), 361/361L (4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2), or 211(^GElement 2); PHY 131(5) or 201(5) (^GElement 4); STA 215 or STA 270(4); CSC 174 or GEO 353; AGR 215/216(4), GEO 302W, GEO 325, GEO 435, GLY 303, or GLY 315. (^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)</u>
    Biology Teaching...21-26 hours
    (must also complete all Professional Education Requirements)
    CHE 111/111L (4) (^GElement 4), 112/112L (4), 361/361L (4); CHE 362/362L (4); MAT 120(^GElement 2), 122(5) (^GElement 2), 211 (^GElement 2), 234(4), or 234H(4) (^GElement 2); PHY 131(5) or 201(5) (^GElement 4); STA 215 or STA 270(4); PHY 132 (5) or PHY 202 (5) or GLY 108 (^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)
    Professional Education Requirements.................37 hours
    EDC 300, EDF 203, 204(2), 219, 413; SED 104 (^GElement 6), EMS 300W, 490, 474; ESE 561 and 11 credit hours of Clinical Experiences: CED 100(0.0), 200(0.0), 300(0.5), 400(0.5), 450(1), 499(9). ^G = Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.
    Free Electives...0-28 hours
TOTAL HOURS TO COMPLETE DEGREE.....120-132 hours

Department of Biological Sciences, Eastern Kentucky University
Curriculum map (Fall 2017)
B.S. Biology - Biodiversity and Conservation

Student Learning Outcomes (SLOs): Upon successful completion of this program, graduates will be able to:

1) Define biodiversity and explain that biodiversity is a function of evolution.
2) Acquire knowledge of organisms (including taxonomy, natural history, behavior and ecology)
3) Apply knowledge and skills to solve conservation problems.

Key: I = introduces outcome; R = reinforced and opportunity to practice; M = mastery at the senior or exit level; A = assesses evidence collected

Course (s)	Title/description	SLO 1	SLO 2	SLO 3
Core Requirements:				
BIO 111	Cell and Molecular Biology	I, A	I, A	
BIO 112	Ecology and evolution	I, A	I, A	I
BIO 315	Genetics	R		
BIO 316	Ecology		R	R
BIO 318	General Botany	R	I	
BIO 319	General Zoology	R	I	
BIO 320	Principles of Microbiology	R		
BIO 495	Evolutionary Theory and Application	R		
Biodiversity and Conservation Concentration:				
BIO 514	Evolution	R		
BIO 532	Conservation Biology			R
BIO 335	Plant systematics	R	R	
BIO 349	Comparative Vertebrate Anatomy		R	
BIO 557	Ichthyology		R	
BIO 554	Ornithology		R	
BIO 553	Mammology		R	
BIO 556	Herpetology		R	
BIO 542	Freshwater Invertebrates		R	
BIO 528	Virology		I	
BIO 536	Dendrology		R	
BIO 525	Aquatic and Wetland Plants		R	
BIO 595	Topics in Field Biology		R	

BIO 520	Invasive species			I,R
BIO 521	Plant Ecology		R	R
BIO 558	Freshwater Ecology		R	R
BIO 555	Behavioral Ecology		R	
BIO 550	Animal Behavior		R	
BIO 561	Fisheries Biology		R	
BIO 349	Co-op/Internship			R
BIO 598	Special Problems			R

CURRICULUM GUIDE

NEW CONCENTRATION

Biology, B.S. (Biodiversity & Conservation Concentration)
2017-2018
Website: www.biology.eku.edu
Email Contact: biology@eku.edu

Department of Biological Sciences
521 Lancaster Ave.
3238 Science Building
Richmond, KY 40475
859-622-1531

*The schedule below is an **EXAMPLE** of how you can arrange your class schedule.*
Please consult your advisor for specific changes that may need to be made.

	Fall Semester		Spring Semester	
Freshman Year	SCO 100B	1	BIO 112	4
	BIO 111	4	CHE 112	3
	G CHE 111 (*fulfills Gen. Ed. 4*)	3	CHE 112L	1
	CHE 111L	1	Gen. Ed. 1B (*ENG 102*)	3
	Gen. Ed. 1A (*ENG 101*)	3	G MAT 234, MAT 234H *or* 211	
	Gen. Ed. 5B (*Soc. & Behav. Sci.*)	3	(*fulfills Gen. Ed. 2*)	3-4
			Free Elective	0-1
	TOTAL	**15**	**TOTAL**	**15**
Sophomore Year	BIO 318	4	BIO 319	4
	CHE 361	3	Diversity of Life Elective	3-4
	CHE 361L	1	Special Skills Elective	3
	STA 215 *or* 270	3-4	Gen. Ed. 1C (*Oral Comm.*)	3
	Gen. Ed. 3A (*Arts*)	3	Free Elective	1-2
	Free Elective	0-1		
	TOTAL	**15**	**TOTAL**	**15**
Junior Year	BIO 316	4	BIO 320 (ACCT)	4
	G PHY 131 *or* 201 (*fulfills Gen. Ed. 4*)	5	Gen. Ed. 5A (*History*)	3
	Earth & Environmental Science Elective	3-4	Gen. Ed. 6 (*Diversity*)	3
	Gen. Ed. 6 (*Diversity*)	3	Free Elective (*upper division*)	3
			Free Elective	1-2
	TOTAL	**15-16**	**TOTAL**	**14-15**
Senior Year	BIO 315	4	BIO 495	1
	♣ BIO 532	3	Gen. Ed. 3B (*Humanities*) *or* Specialized Ecology & Behavior Elective	3
	Diversity of Life Elective	3-4	BIO 514	3
	Gen. Ed. 3B (*Humanities*) *or* Specialized Ecology Behavior Elective	3	Free Elective	3
	Free Elective	1-2	Free Elective	3
			Free Elective (*upper division*)	2
	TOTAL	**15**	**TOTAL**	**15**
			TOTAL HOURS TO DEGREE COMPLETION	**120**

* PREREQUISITES: *Consult with your advisor and/or the University catalog regarding prerequisites for upper division BIO courses. CHE 111/111L, 112/112L, 361, and/or 366; MAT 114 or higher; GEO 100, 210, 220; GLY 102, 104, 107, 108, 109. NOTE: GLY 315 has a pre-requisite of GLY 102, 104, 107, 108, 109 which is not built into the program above.*

♠ *Due to variable course hour choices of some requirements, marked free electives may also be variable. Consult with your advisor to ensure you have a minimum of 12 hours per semester to maintain full-time standing and 120 total credit hours for graduation.*

♣500 Level Courses: *Approval to enroll in a 500 level course before a student has attained senior status (90 or more hours) requires approval from the dean of the college offering the course.*

Upper division courses: *All students are required to have a minimum of 42 hrs. upper division (300 level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories. If 300 level classes are taken for Gen. Ed., they can be used to fulfill the 42 hours instead of upper division free electives.*

Refer to the University Catalog at http://www.catalogs.eku.edu/ regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: *Biology majors will fulfill ACCT with one of the following: BIO 320, 349, 598, HON 420 with a thesis topic approved by the Biology department, a program-approved leadership experience, or a program-approved study abroad experience.*
(Credit hours are incorporated into program requirements.)

Course Number	Course Name
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS *(37)*	
SCO 100B	**Student Success Seminar in Biology** *(1)*
CORE COURSE REQUIREMENTS *(29)*	
BIO 111	Cell and Molecular Biology *(4)*
BIO 112	Ecology and Evolution *(4)*
BIO 315	Genetics *(4)*
BIO 316	Ecology *(4)*
BIO 318	Botany *(4)*
BIO 319	Zoology *(4)*
BIO 320	Principles of Microbiology *(4)*
BIO 495	Evolution Theory and Application *(1)*
BIODIVERSITY & CONSERVATION CONCENTRATION REQUIREMENTS *(15-17)*	
BIO 514	Evolution *(3)*
BIO 532	Conservation Biology *(3)*
PLUS SIX (6) HOURS selected from *(Diversity of Life Elective)***:**	
BIO 335	Plant Systematics *(3)*
BIO 342	Comparative Vertebrate Anatomy *(4)*
BIO 525	Aquatic and Wetland Plants *(3)*
BIO 528	Virology *(3)*
BIO 536	Dendrology *(3)*
BIO 542	Freshwater Invertebrates *(3)*
BIO 553	Mammology *(3)*
BIO 554	Ornithology *(3)*
BIO 556	Herpetology *(3)*
BIO 557	Ichthyology *(3)*
BIO 595	Topics in Field Biology *(3)*
PLUS THREE (3) HOURS selected from *(Specialized Ecology & Behavior Elective)***:**	
BIO 349	Co-op/Internship *(1-3)*
BIO 520	Invasive Species *(3)*
BIO 521	Plant Ecology *(4) (fall only)*
BIO 550	Animal Behavior *(4)*
BIO 555	Behavioral Ecology *(3)*
BIO 558	Freshwater Ecology *(3)*
BIO 561	Fisheries Biology *(3)*
BIO 598	Special Problems *(1-3)*
SUPPORTING COURSE REQUIREMENTS *(20-23)*	
G CHE 111	General Chemistry I *(3)*
CHE 111L	General Chemistry Lab I *(1)*
* CHE 112	General Chemistry II *(3)*
* CHE 112L	General Chemistry Lab II *(1)*
* CHE 361	Organic Chemistry I *(3)*
* CHE 361L	Organic Chemistry Lab I *(1)*
G * MAT 234 *or*	Calculus I *(4)*
G * MAT 234H *or*	Honors Calculus I *(4)*
G * MAT 211	Applied Calculus *(3)*
G * PHY 131 *or*	College Physics I *(5)*
PHY 201	University Physics I *(5)*
STA 215 *or*	Intro. to Statistical Reasoning *(3)*
* STA 270	Applied Statistics I *(4)*
Bracketed items must be taken concurrently.	
PLUS THREE (3) HOURS selected from *(Special Skills Elective)*	
CSC 174	Introduction to Programming for Science and Engineering *(3)*
* GEO 353	Geographic Information Systems *(3)*
PLUS THREE (3) HOURS selected from *(Earth & Environmental Science Elective)***:**	
AGR 215 *and*	Principles of Soils *(3)*
AGR 216	Principles of Soils Laboratory *(1)*
* GEO 302W	Global Environmental Problems *(3) (writing intensive)*
* GEO 325	Environmental Land Use Planning *(3)*
* GEO 435	Biogeography *(3)*
* GLY 303	Environmental Geosciences *(3)*
* GLY 315	Hydrology *(3)*
FREE ELECTIVES *(14-19)*	

G *Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.*

<mark>New</mark> Minor, Concentration, <mark>University</mark> or Department <mark>Certificate</mark>
Proposal Approval Form

University Certificate-Fermentation Science

When proposing a new minor, concentration, university or department certificate, the following factors should be considered:
- Minors and certificates often add time to degree.
- Minors can increase the number of credit hours that students have at graduation.
- Minors and certificates can potentially increase student debt because of the factors above.
- Minors, concentrations, university and department certificates can significantly add to faculty workloads.
- Minors, concentrations, university and department certificates increase the need for oversight and administration.

The following information should be provided in addition to the normal curriculum change forms. Before a new minor, concentration, university or department certificate is submitted to CAA, the Dean must approve the proposal based on the information on this form and any other information requested by the Dean.

From the Proposing Program

1. How will the new minor, concentration, university or department certificate attract new students to EKU? On what is this based? What is the marketing plan?

Students taking the BA Chemistry Fermentation Science is a commitment for students wanting an in-depth experience in chemistry as well as fermentation science. The university certificate will allow students that have a focused interest in fermentation science to add on to an existing major (non-chemistry) or those that are non-degree seeking. The number of hours in the certificate will be advantageous to those not wanting a full degree or those using the certificate for professional development for their job. We will attract given the applied nature of the material as well as the unique facilities we have available for those interested in the courses. In addition to those employees in the brewing, distilling or wine-making industries, this university certificate would also be attractive to people in quality assurance or quality control management positions, especially in food sanitation, food hygiene, or dietetics. Students or alumni with a background in Environmental Health Science, will also be served by this certificate program.

Attraction for the new certificate will occur with the following recruitment methods:
- Advertising on social media (e.g. Facebook, twitter) through Departmental and College Pages
- Contact Communication and Branding to do a focus story about the Fermentation Science program which would include the certificate
- Visit local high schools or attend college fairs to advertise the certificate
- Connect with local breweries that would be willing to post flyers for the academic program
- Setup announcements at national conferences where fermentation science faculty will be attending including the American Society for Brewing Chemists (ASBC), Master Brewers Association of the Americas (MBAA), and the Craft Brewers Conference (CBC)

2. What is the justification for the proposed curriculum proposal? (i.e., industry demand, job market, accreditation requirement, etc.) Provide evidence.

The fermentation industry has experienced continued growth in the past five years with considerable impacts. The main evidence is provided by the Brewers Association (BA) that provides statistical information and reports on the status of the fermentation (brewing industry). Recent information from BA and other sources is available at the following:

- Economic Impact: https://www.brewersassociation.org/statistics/economic-impact-data/

- National Statistics: https://www.brewersassociation.org/statistics/national-beer-sales-production-data/

- Fermentation Growth and Innovation: https://www.forbes.com/sites/bisnow/2017/06/21/crafty-landlords-what-owners-need-to-know-before-leasing-to-beer-brewers/#1e31637547dc

The proposed curriculum will allow students to gain a fundamental understanding of the processes involved with fermentation and methods needed to maintain a sustainable product (from a scientific point of view).

3. What are the qualifications of the faculty to teach the curriculum? Are there sufficient faculty resources to teach the curriculum? Explain.

Faculty members have formal education in Chemistry and **/** or Biochemistry. Additional experience and knowledge in fermentation have also occurred through formal education and professional development. Specific professional development has been attendance to official workshops and certificate programs through other universities or internships with local breweries. The available background and development of the faculty has allowed the formation of fermentation courses that have already been approved and available in the EKU Undergraduate Catalog. These courses will be maintained (but revised) to fit the proposed certificate. Faculty are available to teach courses but adjuncts are available if significant growth is experienced.

4. What are the potential costs of the proposed curriculum addition, especially 3-5 years from implementation? Fully explain the answer, particularly if there are no perceived costs.

Current fermentation courses with current faculty available exist in the undergraduate catalog and are being revised for the proposed certificate and the major. There are no additional courses being added to the catalog (just revisions) for the hours needed for the certificate. Course fees for the associated labs will still be in maintained after courses are revised to cover consumable and equipment replacement costs. Additional general laboratory supplies will be acquired in a similar manner as other chemistry and forensic science courses that exist in the department.

If enrollment growth is experienced (e.g. 3-5 years) in the courses after implementation, then adjunct faculty will be considered to cover course sections (lecture and labs) and the number of students enrolled will need to be large enough to justify the use of adjuncts.

CERTIFICATE IN FERMENTATION SCIENCE

UNIVERSITY CERTIFICATE

A student may complete a long-term certificate in fermentation science by taking the core (13 hours) and elective (11hours) requirements.

Core Requirements**... **13 hours**

    FMT 140 (4), 343, 344 (4), 345 (2)

Electives...**11 hours**

If a University certificate is chosen. then eleven additional credit hours must come from the following list**: CHE or FMT 349, 349A-N, 495A/B, 5O1A-D. FMT 549, CHE 101/101L or CHE 111/111L, BIO 111, AGR 130, 131(1). 430, EHS 280, 380, OSH 110, or department approved courses. If CHE or FMT 349, 349A-N and/or 495 is taken, only 3 hours can be applied to the certificate.

Total Curriculum Requirements.. **24 hours**

**See Course Descriptions for prerequisite and corequisite requirements.

From the Dean
How will costs of the proposed addition be covered? (Complete A orB, or both if applicable)
A.   New Resources. Explain.

  We don't anticipate new resources being needed since all courses are currently being offered.

     B.   Reallocation of resources. Explain.

  Reallocation of resources will only be needed if we have an increased demand for courses and need to consider offering more sections of a course, or offering more summer courses.

I have thoroughly reviewed the proposal and the above responses and I support the proposal moving forward.

_____   12/14/2017
Dean's Signature   Date

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Chemistry
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	∗Course Prefix & Number	
___ Hybrid Course ("S," "W")	∗Course Title (full title±)	
___ New Minor (Part III)	∗Program Title	University Certificate in Fermentation Science
x New Program (Part III)		
___ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	∗ Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	11/8/17	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Create a new University Certificate program in Fermentation Science

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

FALL 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

(see additional information on the included New University Certificate proposal approval form.)

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: see attached

Operating Expenses Impact: see attached

Equipment/Physical Facility Needs: see attached

Library Resources: see attached

Part III. **Recording Data for New Program**

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

New Program Text

CERTIFICATE IN FERMENTATION SCIENCE
UNIVERSITY CERTIFICATE
A student may complete a long-term certificate in fermentation science by taking the core (13 hours) and elective (11hours) requirements.
Core Requirements**.. **13 hours**
     FMT 140 (4), 343, 344 (4), 345 (2)
Electives..**11 hours**
     If a University certificate is chosen. then eleven additional credit hours must come from the following list**: CHE or FMT 349, 349A-N, 495A/B, 5O1A-D. FMT 549, CHE 101/101L or CHE 111/111L, BIO 111, AGR 130, 131(1). 430, EHS 280, 380, OSH 110, or department approved courses. If CHE or FMT 349, 349A-N and/or 495 is taken, only 3 hours can be applied to the certificate.
Total Curriculum Requirements.. **24 hours**
 	
**See Course Descriptions for prerequisite and corequisite requirements.

Departmental Certificate – Fermentation

When proposing a new minor, concentration, or department certificate, the following factors should be considered:

- Minors and certificates often add time to degree.
- Minors can increase the number of credit hours that students have at graduation.
- Minors and certificates can potentially increase student debt because of the factors above.
- Minors, concentrations, and department certificates can significantly add to faculty workloads.
- Minors, concentrations, and department certificates increase the need for oversight and administration.

The following information should be provided in addition to the normal curriculum change forms. <u>Before a new minor, concentration, or University or department certificate is submitted to CAA, the Dean must approve the proposal based on the information on this form and any other information requested by the Dean.</u>

<u>**From the Proposing Program**</u>
1. How will the new minor, concentration, or department certificate attract new students to EKU? On what is this based? What is the marketing plan?

Students taking the BA Chemistry Fermentation Science is a commitment for students wanting an in-depth experience in chemistry as well as fermentation science. The departmental certificate will allow students that have a focused interest in fermentation science to add on to an existing major (non-chemistry) or those that are non-degree seeking. The number of hours in the certificate (13) will be advantageous to those not wanting a full degree. We will attract given the applied nature of the material as well as the unique facilities we have available for those interested in the courses. The departmental certificate doesn't require any chemistry major courses or advanced mathematics.

Attraction for the new certificate will occur with the following recruitment methods:
- Advertising on social media (e.g. Facebook, twitter) through Departmental and College Pages
- Contact Communication and Branding to do a focus story about the Fermentation Science program which would include the certificate
- Visit local high schools or attend college fairs to advertise the certificate
- Connect with local breweries that would be willing to post flyers for the academic program
- Setup announcements at national conferences where fermentation science faculty will be attending including the American Society for Brewing Chemists (ASBC), Master Brewers Association of the Americas (MBAA), and the Craft Brewers Conference (CBC)

2. What is the justification for the proposed curriculum proposal? (i.e., industry demand, job market, accreditation requirement, etc.) Provide evidence.

The fermentation industry has experienced continued growth in the past five years with considerable impacts. The main evidence is provided by the Brewers Association (BA) that provides statistical information and reports on the status of the fermentation (brewing industry). Recent information from BA and other sources is available at the following:

- Economic Impact: https://www.brewersassociation.org/statistics/economic-impact-data/

- National Statistics: https://www.brewersassociation.org/statistics/national-beer-sales-production-data/

- Fermentation Growth and Innovation: https://www.forbes.com/sites/bisnow/2017/06/21/crafty-landlords-what-owners-need-to-know-before-leasing-to-beer-brewers/#1e31637547dc

The proposed curriculum will allow students to gain a fundamental understanding of the processes involved with fermentation and methods needed to maintain a sustainable product (from a scientific point of view). Because the certificate is only 13 credits, it is a viable option for people already working in the industry.

3. What are the qualifications of the faculty to teach the curriculum? Are there sufficient faculty resources to teach the curriculum? Explain.

Faculty members have formal education in Chemistry and / or Biochemistry. Additional experience and knowledge in fermentation have also occurred through formal education and professional development. Specific professional development has been attendance to official workshops and certificate programs through other universities or internships with local breweries. The available background and development of the faculty has allowed the formation of fermentation courses that have already been approved and available in the EKU Undergraduate Catalog. These courses will be maintained (but revised) to fit the proposed certificate. Faculty are available to teach courses but adjuncts are available if significant growth is experienced.

4. What are the potential costs of the proposed curriculum addition, especially 3-5 years from implementation? Fully explain the answer, particularly if there are no perceived costs.

Current fermentation courses taught by chemistry faculty already exist in the undergraduate catalog and are being revised for the existing major and this proposed certificate. There are no additional courses being added to the catalog (just revisions) for the hours needed for the certificate. Course fees for the associated labs will still be in maintained after courses are revised to cover consumable and equipment replacement costs. Additional general laboratory supplies will be acquired in a similar manner as other chemistry and forensic science courses that exist in the department.

If enrollment growth is experienced (e.g. 3-5 years) in the courses after implementation, then adjunct faculty will be considered to cover course sections (lecture and labs) and the number enrolled will need to be large enough to justify the use of adjuncts.

CERTIFICATE IN FERMENTATION

DEPARTMENT CERTIFICATE

A student may complete a short-term (Departmental) certificate in fermentation science by taking the core requirements (13 hours).

Core Requirements**.. **13 hours**

    FMT 140 (4), 343, 344 (4), 345 (2)

Total Curriculum Requirements.. **13 hours**

**See Course Descriptions for prerequisite and corequisite requirements.

From the Dean

How will costs of the proposed addition be covered? (Complete A or B, or both if applicable)

    A. New Resources. Explain.

        No new resources needed. These revised courses all exist in the fermentation major.

    B. Reallocation of resources. Explain.

        At the present time no reallocation is needed. If the demand increases, we will need to reallocate faculty resources to add another section of each course.

I have thoroughly reviewed the proposal and the above responses and I support the proposal moving forward.

_____   12/14/2017

Dean's Signature   Date

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Chemistry
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Departmental Certificate in Fermentation
x New Program (Part III)		
___ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	11/8/17	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Create a new Departmental Certificate program in Fermentation

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

FALL 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

(see additional information on the included New Departmental Certificate proposal approval form.)

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: see attached

Operating Expenses Impact: see attached

Equipment/Physical Facility Needs: see attached

Library Resources: see attached

Part III. **Recording Data for New Program**

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

New Program Text

CERTIFICATE IN FERMENTATION
DEPARTMENT CERTIFICATE

A student may complete a short-term (Departmental) certificate in Fermentation Science by taking the core requirements (13 hours).
Core Reguirements** .... 13 hours
FMT 140 (4). 343, 344 (4), 345 (2)
Total Curriculum Requirements .... 13 hours

**See Course Descriptions for prerequisite and corequisite requirements.

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	NA
_____ New Course (Parts II, IV)	College	Academic Affairs
_____ Course Revision (Parts II, IV)	*Course Prefix & Number	
_____ Hybrid Course ("S," "W")	*Course Title (full title±)	
_____ New Minor (Part III)	*Program Title	B.A. in Individualized Studies
—X— Program Suspension (Part III)		
_____ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	NA	Council on Academic Affairs	2/15/18
College Curriculum Committee	NA	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Suspend the BA in Individualized Studies

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

Fall 2020

B. The justification for this action:

EKU has only awarded a total of 9 BA in Individual Studies degrees in the past 8 years. While this program allows some students the flexibility of personalizing a degree and does not require specific dedicated curriculum or faculty, University resources can no longer support a degree that affects so few students.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: reduces workload impact for program coordinator and faculty mentors

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

~~The Bachelor of Arts in Individualized Studies (B.A.) Degree is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program. A student seeking admission to the Bachelor of Arts in Individualized Studies Program should have, in the semester of admission, a minimum of 30 semester hours with a minimum GPA of 2.0. The application must be submitted to the Coordinator. The student must find a faculty mentor with expertise in the discipline area(s) of the individualized curriculum. The faculty mentor and student together will develop the curriculum plan. The Coordinator will inform the applicant concerning admission status after the student submits an acceptable plan of study which conforms to the program requirements. For more information contact the coordinator.~~

~~**UNIVERSITY GRADUATION REQUIREMENTS**~~
~~**• General Education …………………….......…….36 hours**~~

~~**• Student Success Seminar...1-3 hours**~~
~~(waived for transfers with 30+ hours)~~
~~**• Writing Intensive Course** (Hours incorporated into Major/ Supporting/Gen Ed/Free Electives category)~~
~~**• Upper division courses**~~
~~(42 hours distributed throughout Major/Supporting/ Gen Ed/Free Electives categories)~~
~~**• ACCT**~~
~~The Individualized Studies majors may fulfill ACCT with any of the following options: HON 420 or another approved undergraduate scholarly or creative activity; 3 credit hours of co-op or applied learning experience; a service-learning course, or a student abroad experience. (Relevant credit hours will be incorporated into program requirements below.)~~
~~**Total Hours University Graduation Requirement....37-39 hours**~~
~~**MAJOR REQUIREMENTS**~~
~~*An application, with a plan of study conforming to the program requirements listed below, must be approved by the program coordinator before the student may declare this major.*~~

~~**Core Courses...36 hours**~~

~~A cohesive plan of study with a minimum of 36 hours in an area of emphasis will constitute the core of the student's major; 18 of the 36 hours shall be at the upper division level. A maximum of 18 hours from a single academic discipline can be applied to the area of emphasis.~~
~~**Senior Project:**~~
~~A senior project is mandatory. The student must enroll in at least 21 hours of coursework (including the senior project), following the approval of their BIS plan of study.~~
~~**Free Electives...45-47 hours**~~
~~**TOTAL HOURS TO COMPLETE DEGREE..............120 hours**~~

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Certificate in Disaster Management
X Program Suspension (Part III)		
___ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Suspend the existing Certificate in Disaster Management.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: During the 2017 EKU Assurance of Learning Day, the EKU Homeland Security Program faculty conducted a review of the undergraduate curriculum for assuring student learning. In a continuous effort to streamline the curriculum and offerings, faculty agreed that few students have enrolled in the Certificate in Disaster Management and propose suspending it. Students with an interest in disaster management will be encouraged to enroll in the Minor in Disaster Management.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

<div align="center">New or Revised* Catalog Text</div>
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

<div align="center">Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)</div>

<div align="center">

Certificate in Disaster Management
CIP Code: 43.0302
Not available to B.S. in Homeland Security majors or minors.

</div>

A student may obtain a Certificate in Disaster Management by completing, with a grade of "C" or better, a total of 24 semester hours as follows:

Requirements ....15 hours

   HLS 201, 451, 461, 491 and EMC 450.

Electives ....9 hours

   FSE 425, GEO 315, 325, 353, 453, 456, HLS 349, 391, 445, 455, 465.

Total Curriculum Requirements ....24 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	MMIB & AFIS
___ New Course (Parts II, IV)	College	Business & Technology
___ Course Revision (Parts II, IV)	∗Course Prefix & Number	
___ Hybrid Course ("S," "W")	∗Course Title (full title±)	
___ New Minor (Part III)	∗Program Title	Master of Business Administration (MBA)
___ Program Suspension (Part III)		
X___ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	∗ Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	12/15/2017	Council on Academic Affairs	2/15/18 contingent****
College Curriculum Committee	1/4/2018	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	1/26/2018		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

****Approved contingent upon reaffirmation vote requirement by CAA in Spring 2021 based upon the results of College 3-year report on program recruitment, retention, and graduation.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Revision of the MBA Program

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

NA

AFIS/MMIB 130

B. The justification for this action:

The MBA Design Team has gathered information from a number of sources, including industry consultants, a review of MBA programs in Kentucky, a review of top MBA programs in the United States using a list of 61 top research universities who are members of the Association of American Universities (AAU), surveys of current EKU MBA students and of EKU undergraduate students, consultation with EKU's Student Government Association, and discussions with local and regional business executives. From these findings, a number of areas of demand for successful MBA programs emerged. In other words, programs that include these characteristics have proven to be attractive to potential students and boast high success statistics. The newly designed MBA Experience thus addresses each of these expectations such that features of the new MBA Experience include:

- In response to the demand for no/fewer prerequisites, a Bootcamp will be required of all students entering the MBA Experience prior to the start of coursework. This will be a time to review/develop foundational knowledge needed to begin coursework as well as to build cohesiveness among the entering cohort. The concept of no prerequisites should be especially attractive to those (a) coming straight from a non-business Bachelor's program, and (b) who have been working in industry for some time.

- In response to the demand for compressed courses, the MBA Experience consists of the Bootcamp, 15 courses, and four seminars. The MBA Experience is 36 credit hours in total. The first three terms of the program, students will take two courses the first half of the term and two different courses the second half of the term, for a total of four courses per term, as well as one seminar. The last term of the program, students will take one course the entire term, one course the first half of the term, and one different course the second half of the term, for a total of three courses, as well as one seminar.

- In response to the demand for a compressed program, the MBA Experience is designed to take four terms to complete. Future development of the program would include a 4+1 model for business school students and a 3+2 model for students of other disciplines across campus.

- In response to the demand for stackable certificates, the MBA Experience has been designed in such a way that courses required for a competency to be gained are grouped together by term. This allows for the first three terms of the program to each offer a Certificate (nine credit hours) upon completion of the courses included in that term. The concept of the stackable certificates should be especially attractive to students who are unsure whether they want to pursue an MBA.

- In response to the demand for an interdisciplinary curriculum and the development of knowledge, skills, and abilities (KSAs) demanded of graduates, care has been taken in the design of individual courses, terms, and certificates; inclusion of approved non-business electives, the leadership capstone, and the impact capstone further builds upon the interdisciplinary curriculum.

- In response to the demand for faculty involvement, MBA courses are designed to be eight weeks intensive and two credit hours. To earn the full FTE required of each School of Business faculty member, the faculty will earn the remaining FTE hour by leadership in and coordination of other time-intensive MBA initiatives (e.g. Bootcamp, Mentoring Program, Seminars). All FTEs associated with the MBA program will be appropriate and measurable.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact:

None

Operating Expenses Impact:

None

Equipment/Physical Facility Needs:

None

Library Resources:

None

Part III. **Recording Data for Revised or Suspended Program**

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and underlines for additions.)

~~Core Requirements……………………………………………………~~   ~~24 Hours~~

~~ACC 850: Managerial Accounting…………………………………………..~~   ~~3 hours~~

~~CCT 850: Strategic Business Communication…………………………………~~   ~~3 hours~~

~~CIS 850: Management of Information Systems…………………………………~~   ~~3 hours~~

~~FIN 850: Strategic Financial Management…………………………………~~   ~~3 hours~~

~~GBU 851: Business Strategy……………………………………………~~   ~~3 hours~~

~~MGT 850: Leading and Managing Organizations…………………………~~   ~~3 hour~~

~~MKT 850: Marketing Management…………………………………………~~   ~~3 hours~~

~~QMB 850: Statistical Methods for Business>>>……………………………~~   ~~3 hours~~

~~_____~~   ~~_____~~

~~……………………..~~

~~Electives~~
~~Approved Business Electives~~   ~~6 hours~~
~~Exit Requirement~~   ~~0 hours~~
~~GRD 867a: Knowledge Test Exit Exam~~
~~Total Course Requirements~~   ~~30 hours~~

MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

CIP Code: 52.0101

The MBA Experience consists of a Bootcamp, 15 courses, and four seminars. Bootcamp is required of all students entering the MBA Experience prior to the start of coursework. This will be a time to review/develop foundational knowledge needed to begin coursework as well as to build cohesiveness among the entering cohort. It replaces prerequisites that are part of the existing program.

The MBA Experience is designed to take four terms to complete. It provides an interdisciplinary curriculum leading to the development of knowledge, skills, and abilities demanded of MBA graduates. The MBA Experience has been designed in such a way that courses required for a competency to be gained are grouped together by term. This allows for the first three terms of the program to each offer a Certificate (nine credit hours) upon completion of the courses included in that term. With stackable certificates students have the option of completing a single certificate, multiple certificates, or the entire MBA degree.

MBA courses are designed to be eight weeks intensive (during fall and spring terms) and two credit hours. Faculty members teaching a two-credit course will earn full FTE required by the School of Business by leadership in and coordination of other time-intensive MBA initiatives (e.g. Bootcamp, Mentoring Program, Seminars).

Degree Requirements…………………………………………………………	**36 Hours**
MBA 800, Bootcamp……………………………………………………..	0 hours

Certificate 1: Foundations of Business Thought

MBA 811, Managerial Communication……………………………………	2 hours
MBA 812, Data, Decisions, and Business………………………………….	2 hours
MBA 813, The Showing Tell: Empathetic Interactive Communication………	2 hours
MBA 814, Big Data Analytics……………………………………………	2 hours
MBA 815, Introduction to Design Thinking………………………………….	1 hour

Certificate 2: Technical Skills of Financial and People Management

MBA 821, Survey of Accounting for Managers…………………………..	2 hours
MBA 822, Leading and Managing Human Capital……………………………	2 hours
MBA 823, Financial Management and Decision Making…………………….	2 hours
MBA 824, Authentic Leadership and Design of the Employee Experience…..	2 hours
MBA 825, Design Thinking Applications…………………………………	1 hour

Certificate 3: Transformation of Inputs to Outputs

MBA 831, Corporate Entrepreneurial Ventures…………………………	2 hours
MBA 832, Dynamic Marketing Management………………………………….	2 hours
MBA 833, Supply Chain as a Driver of Organizational Effectiveness……….	2 hours
MBA 834, Enterprise Risk Management……………………………………..	2 hours
MBA 825, Design Thinking Applications…………………………………	1 hour

Completion of MBA Degree

MBA 841, Driving Strategic Impact: Mastering Managerial Tools in Top Management Process……………………………………………………..	2 hours
MBA 842, Impact Capstone………………………………………………..	3 hours
MBA 825, Design Thinking Applications…………………………………	1 hour
MBA Approved	3 hours

	MBA 800	MBA 811	MBA 812	MBA 813	MBA 814	MBA 815	MBA 821	MBA 822	MBA 823	MBA 824	MBA 825	MBA 831	MBA 832	MBA 833	MBA 834	MBA 835	MBA 841	MBA 842	Approved Elective
Certificate 1: Foundations of Business Thought																			
Conduct basic business research, and communicate effectively in formal business writing and oral presentations		I,R	I		R					R		R	R	R	R		R	R	
Apply economic concepts, perform statistical analysis, and effectively use quantitative computer applications (e.g. excel)		I	I		I,R		R		R			R	R	R	R		R	R	
Effectively communicate in business contexts, appropriately using persuasion, influence, selling, and business etiquette	I	I		I		I				R	R	R	I	R	R	R	R	R	R
Apply design thinking, creativity, and problem solving in decision processes	I	I	I	I	R	I				R	R	I	R	R	R	R	R	R	R
Certificate 2: Technical Skills of Financial and People Management																			
Analyze financial statements, interpret cost information, utilize budgets for planning and control, apply internal control principles, and articulate the role of corporate social responsibility	I						I,R		R				R	R	R		R	R	
Apply human resource management principles related to recruitment, selection, compensation, training, and development of employees, and performance management	I							I,R		R		R		I				R	
Apply capital budgeting principles, perform dividend analysis, analyze capital structure, manage cash and liquidity, and prepare financial forecasts									I,R			R	R	I	R			R	
Apply organizational behavior principles related to organizational culture, group dynamics, social management, motivation, and negotiation			I		R					I		R		I				R	
Certificate 3: Transformation of Inputs to Outputs																			
Engage in business planning, implement business rebranding, and apply corporate entrepreneurship	I											I	I	R			R	R	
Design and manage an effective supply chain, as well as develop and assess logistics stratgy	I			I,R								R	R	R				R	
Define and analyze marketing problems, manage market segmentation and targeting, and implement marketing mix strategy												R	I	R				R	
Analyze and manage uncertainty and associated risk and opportunity in the context of buisness culture, practices, and strategy												R	R	I			R	R	
Completion of MBA Degree																			
Apply knowledge, skills, and abilities developed throughout the program in case analyses		I	R		I					R	R	R	R	R	R	R	R	R	R
Demonstrate action-based (i.e. company, regional, international) application of KSAs developed throughout the program			R											R	R			R	
Demonstrate breadth of knowledge in a discipline/area related to the student's career goals and/or interests based on a graduate level relevant elective selected from a short, pre-approved list			R		R					R	R		I	R	R	R	R	R	R

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Management, Marketing, and International Business
___ New Course (Parts II, IV)	College	Business & Technology
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	BBA Marketing PGA Golf Management Concentration
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	12/1/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	12/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
  **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Drop MKT 405 and NFA 449 from PGA Golf Management Concentration which will decrease the total number of hours from the concentration. To replace MGT 208 with a new course, MGT 210, which will add 1 credit hour because MGT 208 is a 2 credit hour course and MGT 210 will be a 3 credit hour course. .

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

NA

B. The justification for this action:

To decrease the number of hours required to complete the program from 126.5 to 121.5. Making changes is necessary to meet the Standards and Criteria of PGA of America University Program accreditation. The other courses in the PGA Golf Management Option are required to meet accreditation requirements.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact:

None

Operating Expenses Impact:

None

Equipment/Physical Facility Needs:

None

Library Resources:

None

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Bachelor of Business Administration (B.B.A.)
MARKETING

CIP Code: 52.1401

UNIVERSITY GRADUATION REQUIREMENTS
- General Education ....36 hours
- Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.........................1 hour
- Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)
- ACCT - Marketing majors will fulfill ACCT with GBU 480. (Credit hours will be counted in Major requirements)

Total Hours University Graduation Requirements...37 hours

MAJOR REQUIREMENTS

College Requirements:
BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

Core Courses:

Pre-Business Core...12 hours
ACC 201, 202; GBU 204; QMB 200.

Business Core..21 hours
CCT 300W, CIS 300, FIN 300, GBU 480, MGT 300, 370, MKT 300.

Marketing Requirements:

General Marketing Concentration...30 hours
GBU 101, MGT 340, MKT 350, 400, 455, 460 and 12 hours of approved upper
division marketing electives (excludes MKT 300 and MKT 349).

Music Marketing Concentration..33 hours
GBU 101, MGT 340, MUS 190(2), 191(2), 290(2), 390(3), 391(3), and 15 hours
from the following courses: MGT 330, MKT 306, 310, 349, 400, 401, 404, or 420.

Marketing Research and Analytics Concentration……………………………….....30 hours
CIS 430, GBU 101, MGT 340, MKT 350, 400, 455, 456, 457, 460, 481.

PGA Golf Management Concentration..==~~47.5~~ <u>42.5</u>== hours
GBU 101; MGT 201, 202, 203, 204, 205, 206, 207, ==~~208(2),~~ <u>210</u>==; MKT 310, 350, ==~~405,~~== 455;
PGM 349A-E(2.5); additional requirements: ==~~NFA 449,~~== OHO 351(4).

Exit Requirements for PGA Concentration:
PGM 100 (completion of the PGA Playing Ability Test)….0 hrs
PGM 199 (completion of Level 1 of PGA Education)…….0 hrs
PGM 299 (completion of Level 2 of PGA Education) …....0 hrs
PGM 399 (completion of Level 3 of PGA Education)…….0 hrs
PGM 499 (completion of PGA Final Experience) ………..0 hrs

Supporting Course Requirements..9 hours
CIS 212 or INF 104; ECO 230 (^GElement 5B), 231; MAT 112 (^GElement 2) or 211(^GElement 2); PSY 200 or 200W or SOC 131;
and MUH 273 (^GElement 3A)(required only for Music Marketing students).

^G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Free Electives...==~~3-11~~ <u>0-11</u>== hours
May include three hours approved business electives. Upper Division electives may be required to meet the University 43 hour upper
division requirement. (Music Marketing Concentration: recommend BEM 240 and other business courses as electives, up to 50% of
program).

TOTAL HOURS TO COMPLETE DEGREE……………………………………………………………..==~~120-129.5~~ <u>120-121.5</u>== **hours**

Curriculum Map - Marketing Major, PGA Golf Management Option

Learning Goals/Objectives		Marketing Major PGA Golf Management Option																				
		BTO 100	CCT 300	CIS 300	FIN 300	GBU 101	GBU 480	MGT 300	MGT 370	MKT 300	MGT 201	MGT 202	MGT 203	MGT 204	MGT 205	MGT 206	MGT 207	MGT 210	OHO 351	MKT 310	MKT 350	MKT 455
1	Understand Business Essentials																					
1a	Demonstrate a comprehensive foundation of global business principles, methods, issues, and technologies		2	2	2	1/2	4	2	3	2	1		2	2		3		3		2	2	3
1b	Demonstrate knowledge of diversity issues	1	2	2	2	1	2	3		2		1		2	2		3			2	2	2
2	Perform analysis and make effective decisions																					
2a	Critically review, distinguish, and organize business information	1	4	4	3	1	4	3	3	3	1	1	2	3	2	2	2	4	2	2	2	4
2b	Effectively evaluate, infer, and conclude	1	4	3	3		4	3	3	3	1	1	2	2	2	3	3	4	2	3	3	4
2c	Decide and create/produce	1	4	3	3	1	4	3	3	3	1	1	2	3	3	2	3	3	3	3	3	3
3	Communicate effectively																					
3a	Write effectively	1	4			1	4	3	2	3	1	2	2	3	3	3	3	4	3	3	3	3
3b	Deliver effective oral presentations	1	4			1	4	2	2	2	1	2	2	2	3	3	4	3	2	3	3	2
4	Think/act as a good corporate citizen																					
4a	Make ethically sound decisions	1	2	2	2	1	2	3		2	1	1	2	2	2	3	3	3	2	3	2	2
4b	Work collaboratively in groups/teams	1	4	2		1	4	2	2	2	1	2	2	2	3	3	3	4	2	3	3	3

1= Introduced   2= Reinforced   3= Mastered   4= Assessed

MMIB 52

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Department of Special Education
_____ New Course (Parts II, IV)	College	College of Education
_____ Course Revision (Parts II, IV)	*Course Prefix & Number	
_____ Hybrid Course ("S," "W")	*Course Title (full title±)	
_____ New Minor (Part III)	*Program Title	EDUCATION OF THE DEAF AND HARD OF HEARING (P-12)
_____ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	9/12/16	Council on Academic Affairs	2/15/18
College Curriculum Committee	10/18/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	11/7/17	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change catalog display to reflect renumbered courses.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

Course numbers have been changed in this program. The catalog display needs to change to reflect the new numbers.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part III. Recording Data for Revised or Suspended Program

<p align="center">B<small>achelor of</small> S<small>cience</small> (B.<small>s.</small>)
EDUCATION OF THE DEAF AND HARD OF HEARING (P-12)
CIP Code: 13.1003</p>

UNIVERSITY GRADUATION REQUIREMENTS

• General Education ....36 hours

• Student Success Seminar (EDO 100; waived for transfers with 30+

hrs.)...1 hour

• Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)

• Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

• ACCT - Deaf and Hard of Hearing Education majors will select: CED 499 (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements….37 hours

MAJOR REQUIREMENTS

Core Courses...24 hours

SED 260, 337, 375, 538, ~~545~~ 445, 580, and 581; SED ~~518 or 518S~~ 318.

Professional Education Requirements..................34 hours

EDC 300,EDF 203, 204(2), 219, EMS 300W, 490 or SED 590, SED 104 (⁶Element 6), 510*, and 11 credit hours of Clinical Experiences: CED 100(0.5), 200(0.5), 300(0.5), 400(0.5), 450(1), 499(9).

* SED 510 = EDF 413

Concentrations (select one):

1. Elementary Education (P-5) Requirements.....27 hours

ELE 101 or 102; ELE 201, 302, 420(1), 421(2), 422 (2), 423(2), 424(2), 475; EME 301 or MAE 302, 313; LIB 301.

2. Middle Grade Education (5-9) Requirements....9 hours

EMG 445 or 445W and 447; and three hours from EMG 491, 492, 493, or 494.

Supporting Course Requirements:

1. Elementary Education (P-5) Supporting Courses....................21 hours

ASL 101(⁶Element 6), 102 (⁶Element 6), 201.

Social Science: (⁶Element 5A and 5B): HIS 102 or HON 312W; POL 101

English: (⁶Element 3B):ENG 210, 210W, 211, 211W, 212, 212W, HON 306W or 308W; ENG 303; EME 552 or ENG 410

Sciences/Engineering: BIO 102 (⁶Element 4), GLY 102 (⁶Element 4), CHE 104 or PHY 104, and EDC 314

Mathematics: MAT 112 (⁶Element 2), MAE 201, and MAE 202.

2. Middle Grade Supporting and Area of Emphasis Requirements

a.) Supporting Courses...12 hours

ASL 101(⁶Element 6), 102 (⁶Element 6), 201; MAE 201, 202, and EME 301 or MAE 302.

b.) Area of Emphasis...18-23 hours

Candidates seeking middle grade (5-9) certification must select one area of emphasis from the following list and complete the specified courses: English and Communications, Mathematics, Science, Social Studies.

(See options list under Middle Grade Education (5-9) for a list of courses and block statements. Some emphasis courses are also General Education courses and therefore will count in both areas, reducing total hours to degree.)

(⁶ = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

TOTAL HOURS TO COMPLETE DEGREE.....134-143 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Department of Special Education
___ New Course (Parts II, IV)	College	College of Education
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Special Education Non-Teaching Minor
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	9/14/17	Council on Academic Affairs	2/15/18
College Curriculum Committee	10/18/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	11/7/17	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change catalog display to reflect renumbered and dropped courses.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

Course numbers have been changed in this program. The catalog display needs to change to reflect the new numbers.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Minor

Special Education (Non-Teaching)

Prerequisites must be honored.

Required Courses...12 hours

SED 104, 260, ~~518 or 518S~~ <u>318</u>, and ~~590~~ <u>390</u>.

Electives……………………………………………….6 hours

SED 207, 240, <u>270, 305,</u> 337, ~~351, or 576~~; <u>350</u> or 352<u>; 356, 538</u> ~~, 500, 511, 530, 535, 578~~.

Total Requirements………………………………………..18 hours

V.1.26.16

CAA 52

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Recreation and Park Administration
___ New Course (Parts II, IV)	College	Health Sciences
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	B.S. Recreation and Park Administration Recreation Management and Programming Concentration
___ Program Suspension (Part III)		
x Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/20/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/1/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change concentration title from Recreation Management & Programming to Recreation Management and Event Planning.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016): Fall 2018.

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The term programming is no longer the standard in the industry/profession. Historically, the terminology has migrated from leisure pursuits, to programming, and now is event management or event planning. This change will have no costs, but benefits will be realized through recruiting of potential students and job placement rates of students graduating from the department.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None.

Operating Expenses Impact: None.

Equipment/Physical Facility Needs: None.

Library Resources: None.

Part III. **Recording Data for Revised or Suspended Program**

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

The Department of Recreation and Park Administration offers the Bachelor of Science degree in Recreation and Park Administration with four concentrations: Tourism & Resort Recreation, Natural Resources & Recreation Management, ~~Recreation Management and Programming~~ <u>Recreation Management and Event Planning</u>, and Therapeutic Recreation. The department also offers a minor in Recreation and Park Administration.

Students who transfer from another college or university must earn a minimum of 12 hours at EKU in their major. Students who transfer from another college or university must earn a minimum of six hours at EKU in their minor.

Graduates of the Tourism & Resort Recreation concentration find career opportunities in local, state, federal and private agencies that promote tourism, travel agencies, convention services, resort supervision and management, cruise lines, amusement and theme parks, as well as other commercial recreation agencies.

Graduates of the Natural Resources & Recreation Management concentration find a wide variety of career opportunities such as park ranger, interpretive naturalist, camp director, recreation forester, fish and wildlife positions, and youth and adult outdoor recreation programming positions.

Graduates of the ~~Recreation Management and Programming~~ <u>Recreation Management and Event Planning</u> concentration find professional careers available in local, state, county and federal agencies, park management, golf course management, recreation supervision, aquatics, cultural arts programming, athletic programming, YMCA and YWCA, Boy Scouts and Girl Scouts, 4-H, and various other private and public agencies providing park, recreation and leisure services.

Graduates of the Therapeutic Recreation concentration find one of the fastest growing areas in the field of recreation and leisure services. Professionals in TR design programs to meet the needs of special populations, people with physical or developmental disabilities, and people with temporary or permanent psychiatric disorders. TR professionals work in children's hospitals, mental health institutions and psychiatric hospitals, rehabilitation clinics, nursing homes, medical care facilities, transitional living facilities, group homes, camps, community-based programs, and community residential agencies.

The BS degree in Recreation and Park Administration provides 15 credit hours of direct hands-on field experience. The senior internship (12 credit hours) serves as an excellent transition from school to work, and many students are hired directly out of their internship.

Students majoring or minoring in Recreation and Park Administration are required to attain a minimum grade of "C" in all REC courses and a 2.5 or better average in all REC courses. All REC core and REC concentration courses must be completed prior to enrollment in REC 463, Senior Internship or Rec 473 Therapeutic Recreation Internship.

Bachelor of Science (B.S.)
RECREATION AND PARK ADMINISTRATION
CIP Code: 31.0301

UNIVERSITY GRADUATION REQUIREMENTS

General Education …..36 hours

Student Success Seminar (HSO 100; waived for transfers with 30+ hrs.)………......................1 hour

Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)

Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

ACCT - Recreation and Park Administration majors will fulfill ACCT with REC 463 or 473. (Credit hours may be incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements........37 hours

MAJOR REQUIREMENTS

Core Courses...31 hours

REC 101(1), 102, 163(1), 200, 263(2), 311, 350, 401, 406, 410, 450W, and 460:

Concentrations: *(students must select one of the following)*

Natural Resources & Recreation Management.......29 hours

REC 180 (1), 190(1), 290, 380, REC 463(12), 516, 530; and 3 hours from the following: REC 590 or WLD 317.

~~**Recreation Management and Programming**~~

Recreation Management and Event Planning..........31 hours

REC 190(1), 225, 280, 290, 480, 463(12), 530 and 3 hours from the following courses: REC 516 or 590.

Therapeutic Recreation..27 hours

REC 210, 411S, REC 473(12), 511, 512S; REC 520.

Tourism & Resort Recreation..................................30 hours

REC 225, 250, 280, 380, 480, 463 (12), and 3 hours from the following courses: REC 516, 530 or 590.

Supporting Course Requirements (all concentrations).....0G hours

CMS 210(GElement 1C)

Additional Supporting Course Requirements:

Therapeutic Recreation Concentration....................13 hours

EMC 105 (1), BIO 171, 301; PSY 200 or 200W(GElement 5B), 280 or 280W, 308

^{G} = *Course also satisfies a General Education element.*

Hours are included within the 36 hr. General Education

Requirement above.

Free Electives:

Natural Resources & Recreation Management.......23 hours

~~**Recreation Management & Programming**~~

Recreation Management and Event Planning..............21 hours

Therapeutic Recreation..12 hours

Tourism & Resort Recreation..................................22 hours

TOTAL HOURS TO COMPLETE DEGREE..............120 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Recreation and Park Administration
New Course (Parts II, IV)	College	Health Sciences
Course Revision (Parts II, IV)	*Course Prefix & Number	
Hybrid Course ("S," "W")	*Course Title (full title±)	
New Minor (Part III)	*Program Title	Bachelor of Science (B.S.) and Master of Science (M.S.) Recreation and Park Administration *Accelerated 3+2 Dual Degree* Program Recreation Management and Programming Concentration
Program Suspension (Part III)		
x Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/20/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/1/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	11/17/17		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change concentration title from Recreation Management & Programming to Recreation Management and Event Planning.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016): Fall 2018.

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The term programming is no longer the standard in the industry/profession. Historically, the terminology has migrated from leisure pursuits, to programming, and now is event management or event planning. This change will have no costs, but benefits will be realized through recruiting of potential students and job placement rates of students graduating from the department.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None.

Operating Expenses Impact: None.

Equipment/Physical Facility Needs: None.

Library Resources: None.

Part III. **Recording Data for Revised or Suspended Program**

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Students may apply for admission to the Accelerated 3+2 Dual Degree program in their junior or senior year. Students are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.S.degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program.

Entrance requirements for the 3+2 must adhere to the same requirements for the M.S. Recreation and Park Administration Program in the Graduate Catalog, except entrance examinations (e.g. GRE) are not required for the 3+2 program. Students must fulfill all graduation requirements listed below. Students admitted into the program will remain coded as undergraduate until fulfilling their BS requirements. Students admitted into the 3+2 program must complete the Recreation and Park Administration BS degree with a minimum 3.0 GPA to be allowed to proceed with graduate program coursework.

Admission Requirements:

Students interested in this option must satisfy all of the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the
form at http://gradschool.eku.edu/graduate-school-
forms)
4. Must maintain an overall undergraduate and graduate
grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

Program Requirements

Students in 3+2 Accelerated Dual Degree program must complete the listed Recreation And Park Administration B.S. program requirements along with the same requirements for the Recreation And Park Administration M.S. Program (presented in the Graduate Catalog: listing at http://gradschool.eku.edu/graduate-catalog). Nine (9) credit hours of 700-level graduate coursework (REC 716, REC 730, and REC 790) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS

- General Education...36 hours
- Student Success Seminar (HSO 100; waived for transfers with
  30+ (hrs.)...1 hour
- Writing Intensive Course (hours incorporated into Major/Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/
- Supporting/Gen Ed/Free Electives categories)
- ACCT - Recreation And Park Administration majors will fulfill ACCT with REC 463 or 473 (credit hours are incorporated into Major or Supporting requirements)

Total Hours University Graduation Requirements....37 hours
MAJOR REQUIREMENTS

Core Courses...50 hours
      REC 101(1), 102, 163(1), 190(1), 200, 263(2), 290, 311, 350, 401, 406, 410, 450W, 460, 463(12), 790.

Natural Resources Recreation Management
Concentration..10 hours
REC 180(1), 380, 716, 730

~~Recreation Management and Programming Concentration~~
Recreation Management and Event Planning………………12 hours
REC 225, 280, REC 716, REC 730

Supporting Courses requirements: CMS 210(Element 1C)...0 hours

Free Electives...21-23 hours

TOTAL HOURS TO COMPLETE B.S. DEGREE............120 hours

M.S. RECREATION AND PARK ADMINISTRATION MAJOR REQUIREMENTS
Recreation And Park Administration Core Requirements..18 hours
REC 801, 809, 825, 830, 840, and 850

Supporting Course Requirements...9 hours
REC 716, REC 730, REC 790, GRD 887e (0)

Elective ....……………….…………….....………3 hours
Exit Requirement

GRD 887e…………………………………………………….0 hours

Total Requirements...30 hours

EXIT REQUIREMENTS
Thesis – a thesis is optional in this degree program.
Comprehensive Examination – A comprehensive examination is
 required (GRD 887e).
Required to be submitted with 3+2 program proposals is a Two-
Year Course Scheduling Plan for eligible courses (REC 716, REC
730 and REC 790). Below is the scheduling plan:
Fall Winter Summer
REC 716 REC 790 REC 730
     REC 790

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	English & Theatre
___ New Course (Parts II, IV)	College	College of Letters, Arts & Social Sciences
___ Course Revision (Parts II, IV)	∗Course Prefix & Number	
___ Hybrid Course ("S," "W")	∗Course Title (full title±)	
___ New Minor (Part III)	∗Program Title	Bachelor of Arts (B.A.) ENGLISH
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	∗ Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/23/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Add language "at the 300 level or above" for the English electives requirement.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The language regarding English electives in the current catalog, which says "English courses, including at least 9 hours at the 400 or 500 level" does not correctly reflect the degree requirement. Without specifying that the English electives need to be upper level English courses, any English course (e.g., ENG 101) could be counted towards the English electives. Thus, we are clarifying that only English courses at the 300 level or above could be counted towards the English electives.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: Description revision; No additional courses or impact on personnel

Operating Expenses Impact: no additional impact

Equipment/Physical Facility Needs: no additional needs

Library Resources: no additional needs

Part II. Recording Data for New, Revised, or Dropped Course

(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

ENGLISH B.A.   CIP Code: 23.0101

Upon completion of an English degree, graduates will demonstrate knowledge and competency in one of three subdisciplines, while also gaining a broad awareness of the scope of English studies. Students focusing on literature will: 1) demonstrate a clear sense of the chronological and thematic development of British and American literature, familiarity with canonical writers and works of the age, and a more specialized knowledge in various genres, periods, authors, and literary trends; 2) be prepared for post-baccalaureate professional lives; 3) demonstrate the ability to think, speak, and write more effectively as literary critics. Students focusing on creative writing will: 1) write a publishable work, critical or creative, and submit it through traditional means/e-submissions; 2) possess knowledge of appropriate writers, the history, pedagogies/theories/genres, 3) possess knowledge of and apply basic research methods in their works, creative or critical, as well as use these skills to research the literary/popular marketplace. Students focusing on technical writing will: 1) produce various types of technical documents required in the workplace that reflect knowledge of audience, purpose, clarity, and precision; 2) demonstrate competence with hardware/software expected of technical/professional writers.

UNIVERSITY GRADUATION REQUIREMENTS
- General Education..36 hours.
- Orientation Course ....1 hour. (waived for transfers with 30+ hrs.)
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - English majors will fulfill ACCT with: ENG 490 or 491 or 492. (Credit hours may be incorporated into Major or Supporting requirements)

Total University Graduation Requirements............37 hours

MAJOR REQUIREMENTS
Core Courses ....21 hours
ENG 310, 311, 312, 313, 410, 474, and 490 or 491 or 492.
English Electives …………………………………………18 hours
ENG courses <mark>at the 300 level or above</mark>, including at least 9 hours at the 400 or 500 level
Free Electives..44 hours

TOTAL HOURS TO COMPLETE DEGREE ....120 hours

English Major Curriculum Map

English Major Student Learning Outcomes

SLO 1: Students will use critical and creative thinking.
SLO 2: Students will communicate effectively.
SLO 3: Students who focus on creative writing will demonstrate mastery of at least one creative genre, as well as the ability to synthesize workshop criticism, to apply that criticism in the development of a personal aesthetic, and to present work in public settings.
SLO 4: Students who focus on literary studies will demonstrate knowledge of the canonical works of American and British literature and their cultural, aesthetic, and critical contexts.
SLO 5: Students who focus on technical writing will use technology to create well-designed, audience-appropriate documents.

Program-level SLO	ENG 310	ENG 311	ENG 312	ENG 313	ENG 300	ENG 306
SLO 1	I	R	R	R		
SLO 2	I	R	R	R		
SLO 3	I	R	R	R		R
SLO 4	I	R	R	R		
SLO 5	I				R	

Program-level SLO	ENG 410	ENG 474	ENG 490	ENG 491	ENG 492
SLO 1	R	R	R	R	R
SLO 2	R	R	R	R	R
SLO 3		R	R		
SLO 4		R			R
SLO 5	R			R	

- ENG 300 and ENG 306 are not part of the core for all majors, but 300 is a prerequisite for the technical writing capstone (ENG 491), and ENG 306 (with at least 3 other creative writing credits) are prerequisites for the creative writing capstone (ENG 490)
- ENG 310, the gateway course, will advise students of these prerequisites and the need to plan ahead if a student wants to focus on creative writing or technical writing.

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	English & Theatre
___ New Course (Parts II, IV)	College	College of Letters, Arts, and Social Sciences
___ Course Revision (Parts II, IV)	∗Course Prefix & Number	
___ Hybrid Course ("S," "W")	∗Course Title (full title±)	
___ New Minor (Part III)	∗Program Title	Minor in English
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	∗ Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/23/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

　*If Applicable (Type NA if not applicable.)
　**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Remove ENG 301 from the requirements for a Minor in English

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

As a result of removing concentrations from the English Major, we replaced ENG 301 and 302 as the gateway courses to the major with ENG 310 .ENG 310 introduces students to all the subdisciplines of English, giving them a broader knowledge of the field and the careers that can follow from study in English. We are also editing for clarity.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None, because ENG 310 is replacing ENG 301 and 302, and can be taught by the same faculty.

Operating Expenses Impact: none

Equipment/Physical Facility Needs: no new

Library Resources: no new

Part III. **Recording Data for Revised or Suspended Program**

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)
 	
Minor in English
 	
Requirements..18 hours
     ENG ~~301~~, 310~~,~~ and at least ~~12~~ <u>15</u> additional ~~upper level~~ hours <u>at the 300 level or above</u> in literature and/or writing courses.
 	
     ~~**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352 and 353).~~

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Fire Protection and Paramedicine Sciences
_____ New Course (Parts II, IV)	College	Justice and Safety
_____ Course Revision (Parts II, IV)	*Course Prefix & Number	
_____ Hybrid Course ("S," "W")	*Course Title (full title±)	
_____ New Minor (Part III)	*Program Title	Basic Emergency Medical Technician – Departmental Certificate
_____ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Update courses to match current catalog.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

Courses have been altered for the upcoming catalog and coursework needs to reflect the changes. This is a department offered certificate.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Basic Emergency Medical Technician*

Meets the ~~Kentucky Cabinet for Human Resources~~ <u>National Registry of Emergency Medical Technician and the Kentucky Board of Emergency Medical Services</u> certification requirement <u>for</u> <u>EMT</u>: EMC 110, <u>EMC 110L</u>. Co-requisite: EMC 104.

Total Curriculum Requirements.................................~~7~~ <u>6</u> hours

*Certificate awarded by the Department of ~~Safety, Security, & Emergency Management~~ <u>Fire Protection and Paramedicine Sciences</u> and not Eastern Kentucky University.

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Fire Protection and Paramedicine Sciences
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor in Emergency Medical Care
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Update courses to match current catalog and to decrease requirements and increase elective courses

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

Courses have been altered for the upcoming catalog and coursework needs to reflect the changes. By decreasing the minor requirements and increasing the number of electives, students can better meet their career needs.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using strikethrough for deletions and underlines for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use strikethrough for deletions and underlines for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using strikethrough for deletions and underlines for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use strikethrough for deletions and underlines for additions.)

Minor in Emergency Medical Care

The Minor in Emergency Medical Care is not available to B.S. Emergency Medical Care majors. A student may minor in Emergency Medical Care by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements...11 6 hours
    EMC 104(1), 110, (6), 115(2), and 200(2). 110L(2).
Electives...7 12 hours
    EMC 105(1), 205(1), 215(1), 225, or 240 300, 303, 400, 420, 430W, 440, 480, 489.

Total Curriculum Requirements.................................18 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Bachelors of Science in Homeland Security
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Remove one course from the core of the BS in Homeland Security Program and add two courses. Also, drop three supporting course and two general education requirements.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: During the 2017 EKU Assurance of Learning Day, the EKU Homeland Security Program faculty conducted a review of the undergraduate curriculum for assuring student learning. The proposed changes represent a decrease in supporting course requirements and provide more elective opportunities to students.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Bachelor of science (B.S.)
HOMELAND SECURITY
CIP Code: 43.0301

PRE-HOMELAND SECURITY

ADMISSION REQUIREMENTS

Students who have been admitted to the University and declare a major in Homeland Security are enrolled in the Pre-Homeland Security Program. Enrollment in the Pre-Homeland Security Program does not guarantee admission to the B.S. in Homeland Security. Pre-Homeland Security Program students are accepted each semester.

Students enrolled in the Pre-Homeland Security Program and desiring admission to the B.S. in Homeland Security major, must have completed a minimum of 45 total credits and have a 2.5 minimum EKU GPA, including completion of HLS 101, 210, 260, and 301 with a grade of C or better. B.S. in Homeland Security students are accepted each semester. Students seeking admission to the B.S. in Homeland Security must meet with their assigned advisor to ensure qualifications have been met. The advisor will submit the names of eligible students to the HLS Program Coordinator for submission to the Registrar.

Students admitted to the B.S. in Homeland Security must maintain a 2.5 minimum EKU GPA. Students falling below the minimum GPA will be placed in academic probation for one semester. If after one semester in academic probation the student does not regain the 2.5 minimum EKU GPA, they will be withdrawn from the major. Students withdrawn from the major due to an EKU GPA lower than 2.5 are not eligible for readmission to the B.S. in Homeland Security.

UNIVERSITY GRADUATION REQUIREMENTS
- General Education...36 hours
- Student Success Seminar...1 hour
  (JSO 100; waived for transfers with 30+ hrs)
- Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)
- Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)
- ACCT - Homeland Security majors will fulfill ACCT with HLS 495.
  (Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements.........................37 hours

MAJOR REQUIREMENTS

Core Courses...~~39~~42 hours
   HLS 101, 210, 260, 301, 320, 321W, ~~341,~~ 391, 395, 401, 430, 441, 461, 465, 495.

Supporting Courses..~~12-14~~6 hours

   EES 250 (GElement 1C), STA 215 (GElement 2), ~~GElement 4: BIO 100, 101, CHE 101/101L(4), PHY 101, or 131(5);~~ GEO 210 (GElement 4), HIS 203 (GElement 5A) or MSL 303 (GElement 5A); POL 100 (GElement 5B) or 101 (GElement 5B); PSY 200 (GElement 5B) or 200W (GElement 5B); ~~Select two consecutive courses in the same language (GElement 6), FSE 310,~~ and GEO 353~~, and HLS 430, PLS 375 or POL 415~~.

   G = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of 3 cr. hrs. will count toward Element 1C. A maximum of 3 cr. hours will count toward Element 2. A maximum of ~~6~~3 cr. hrs. will count toward Element 4. A maximum of 3 cr. hrs. will count toward Element 5A. A maximum of 3 cr. hrs. will count toward Element 5B. ~~A maximum of 6 cr. hrs. will count toward element 6.~~

   Free Electives.. ~~30-32~~35 hours

   TOTA HOURS TO COMPLETE DEGREE..............................120 hours

2018 / 2019 Homeland Security MINORS AND CERTIFICATES (Version: 18 OCT 17)
Program's Curriculum Objective Map

1- introduce learning goals (update or initial reflection)
2- Reinforced learning goals
3 - Mastered learning goals
4 - Assessed learning goals (assignments, etc.)

Course	Title	16 - 20: HLS 2.1: HOMELAND SECURITY MINOR, CERT, AGS: Students can appraise efforts to ensure security and resilience for the homeland, including measures required to prevent, protect against, mitigate, respond to, and recover from "all hazard" threats and hazards.	16 - 20: HLS 3.1: DISASTER MANAGEMENT MINOR & CERT: Students are able to analyze hazards and threats to communities and develop strategies for mitigating risks and preparing for, responding to, and recovering from disasters.	16 - 20: HLS 4.1: INTELLIGENCE MINOR & CERT: Students are able to employ intelligence techniques to create advanced threat analyses for terrorist and criminal threats.	16 - 20: HLS 5.1: SECURITY OPERATIONS MINOR & CERT (Security Management): Students can employ security planning and management techniques for public and private sector asset protection.
GENERAL HLS:					
HLS 101	Introduction to Homeland Security	1			
HLS 301	Critical Infrastructure Protection	2 & 4			
HLS 391	Risk Analysis	2	2		
HLS 395	Policy and Legal Analysis	2			2
HLS 430	Domestic Terrorism	2			
HLS 441	Homeland Security Technology	2			
HLS APPLIED COURSES:					
HLS 349	Cooperative Study / Internship	2	2	2	2
HLS 445	HLS Field Experience	2	2	2	2
HLS 455	HLS Independent Study	2	2	2	2
DISASTER MANAGEMENT:					
HLS 260	Disaster Preparedness and Response	2	1		
HLS 461	Disaster Resilience		3 & 4		
HLS 465	Unconventional Threats and Responses		2		
HLS 491	Disaster Planning and Exercises		2		
INTELLIGENCE STUDIES:					
HLS 400	Evolution of the Intelligence Community			2	
HLS 401	Intelligence Process	2		1	
HLS 402	Counterintelligence			2	
HLS 403	Intelligence Analysis			2	2
GEO 456	Remote Sensing			3 & 4	
GEO 353	Geographic Information Systems			2	
SECURITY OPERATIONS:					
HLS 210	Cyber and Physical Security	2			2
HLS 310	Personnel Security				2
HLS 320	Security Management				2 & 4
HLS 350	Workplace Investigations				2

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor in Homeland Security
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Drop HLS 341, PLS 375, and POL 415 from the Minor in Homeland Security, and add the option for HLS 465.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: Changes to courses identified during the 2017 Assurance of Learning Day result in changes in the Minor in Homeland Security as shown below. All changes streamline the Minor in Homeland Security.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
   (For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

<div align="center">New or Revised* Catalog Text</div>
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

<div align="center">Revised* Program Text</div>
<div align="center">(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)</div>

<div align="center">

Minor in Homeland Security
CIP Code: 43.0301

</div>

<u>Not available to B.S. in Homeland Security majors or Homeland Security certificate – seeking students.</u>

A student may minor in Homeland Security by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements.. 18 hours
HLS 101, 210, 260 or 461, and 301; ~~FSE 310,~~ HLS 391<u>,</u> ~~or~~ 401 <u>or 465</u>; <u>and</u> HLS 430~~, PLS 375 or POL 415~~.

Total Curriculum Requirements................................. 18 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Certificate in Homeland Security (University)
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Drop FSE 310, HLS 341, PLS 375, and POL 415 from the Certificate in Homeland Security, and add the option for HLS 465.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: Changes to courses identified during the 2017 Assurance of Learning Day result in changes in the Certificate in Homeland Security as shown below. The elimination of courses from the curriculum required that courses be removed from the Certificate in Homeland Security.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
    (For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Certificate in Homeland Security
CIP Code: 43.0301

Not available to B.S. in Homeland Security majors or minors.

Students may obtain a Certificate in Homeland Security by completing, with a grade of "C" or better, a total of 24 semester hours as follows:

Requirements.. **15 hours**
    HLS 101, 210, 260 or 461, 301~~, and select one course from:~~<u>, and</u> HLS 430<u>,</u> ~~PLS 375 or POL 415~~
Electives... **9 hours**
    ~~FSE 310,~~ HLS ~~341,~~ 349, 391, 395, 401, 441, 445, ~~or~~ 455<u>, or 465</u>.

Total Curriculum Requirements................................. **24 hours**

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor in Security Operations
___ Program Suspension (Part III)		
_X_ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Remove HLS 320 and add HLS 391 as a requirement for the Minor in Security Operations. Remove HLS 341 and HLS 391, and add HLS 320 to the electives in the Minor in Security Operations.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: Changes to courses identified during the 2017 Assurance of Learning Day result in changes in the Minor in Security Operations as shown below. The elimination of HLS 341 from the curriculum required that course be removed as an elective for the Minor in Security Operations.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Minor in Security Operations

CIP Code: 43.0112

<u>Students seeking the Security Management Certificate may not minor in Security Operations.</u>

A student may minor in Security Operations by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements...**12 hours**

HLS 210, 310, ~~320, and~~ 350<u>, and 391</u>.

Electives...**6 hours**

~~HLS 341 or 391;~~ HLS 301, <u>320,</u> 349, 402, 445, or 455.

Total Curriculum Requirements...**18 hours**

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Certificate in Security Management
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Remove HLS 320 and add HLS 391 as a requirement for the Certificate in Security Management. Remove HLS 341 and HLS 391, and add HLS 320 to the electives in the Certificate in Security Management.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: Changes to courses identified during the 2017 Assurance of Learning Day result in changes in the Certificate in Security Management as shown below. The elimination of HLS 341 from the curriculum required that course be removed as an elective for the Certificate in Security Management.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
    (For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

<div align="center">New or Revised* Catalog Text</div>

(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

<div align="center">Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)</div>

Certificate in Security Management

<div align="center">*CIP Code: 43.0112*</div>

The certificate requires a grade of "C" or better in 12 hours of required courses and 12 hours of elective courses.

Requirements .... **12 hours**

      HLS 210, 310, ~~320,~~ 350<u>, and 391</u>.

Electives .... **12 hours**

      CIS 320, 325, INF 307, GBU 101, 201, 204, HLS 301, <u>320,</u> ~~341,~~ 349, ~~391,~~ 402, or INS 378.

Total Curriculum Requirements .... **24 hours**

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Safety and Security
___ New Course (Parts II, IV)	College	Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor in Disaster Management
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Remove EMC 450 as a requirement and HLS 465 as an elective for the Minor in Disaster Management. Add the following elective options: GEO 315, 325, 353, 453, or 456.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: Changes to courses identified during the 2017 Assurance of Learning Day result in changes in the Minor in Disaster Management as shown below. Additional elective options are identified for students.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
      (For a **new required course,** complete a separate request for the appropriate program revisions.)

1.   For a new course, provide the catalog text.
2.   For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.   For a dropped course, provide the current catalog text.

<div align="center">New or Revised* Catalog Text</div>

(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.   For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
2.   For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

<div align="center">Revised* Program Text</div>

(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

<div align="center">

Minor in Disaster Management
CIP Code: 43.0302

</div>

A student may minor in Disaster Management by completing, with a grade of "C" or better, a total of 18 semester hours as follows:

Requirements .... ~~12~~<u>9</u> **hours**

    HLS 260, 461, <u>and</u> 491~~, and EMC 450~~.

Electives .... ~~6~~<u>9</u> **hours**

    HLS 349, 391, 445, <u>or</u> 455, ~~or 465~~<u>GEO 315, 325, 353, 453, or 456</u>.

Total Curriculum Requirements .... **18 hours**

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Department of Safety and Security
___ New Course (Parts II, IV)	College	College of Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	B.S. in Occupational Safety
___ Program Suspension (Part III)		
_X_ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested:

1) Decrease the number of major core requirement hours for the B.S. in Occupational Safety.

2) Create supporting course requirement selection options.

3) Increase free elective hours.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action:

1) Create a more logical and coherent plan for major requirements that students can follow.

2) Meet Board of Certified Safety Professionals (BSCP) domains for qualified academic program (QAP) requirements.

3) Meet Accreditation Board For Engineering and Technology (ABET) criteria for accreditation purposes.

4) Both BSCP and ABET accreditations permit students to sit for certification exams in the safety profession post-graduation.

5) Create clear and ideal supporting course options for students.

6) Ultimately increase the graduation rate for this program.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

UNIVERSITY GRADUATION REQUIREMENTS

General Education..36 hours

Student Success Seminar..1 hour
(JSO 100; waived for transfers with 30+ hrs.)

Writing Intensive Course (Hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)

Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

ACCT - Occupational Safety majors will fulfill ACCT with OSH 349 or 495.

(Credit hours are incorporated into major requirements below.)

Total Hours University Graduation Requirements....37 hours

MAJOR REQUIREMENTS

Core Courses ~~54~~ 36 hours

OSH 110, 200, ~~225,~~ 261, 262, ~~305, 349,~~ 366, 367, ~~370,~~ 379, 390, 410W, 412, ~~420,~~ 450, and 495.

Supporting Course Requirements................................~~21~~37 hours

Fire Prevention/Protection: Select 9 hours from the following courses: FSE 101, 120, 221, 224, 349, OSH 225, 305, or 489.

Industrial Risk Management: Select 18 hours from the following courses: EHS 280, 340, HLS 210, OSH 349, 370, 420, 489, TRS 225, or 395.

General Education Requirement: CHE 101/101L (4) (^{G}Element 4) or 111/111L (4) (^{G}Element 4), ~~EHS 340, FSE 101, 120, 221, HLS 210,~~ MAT 112 or 114 (3) (^{G}Element 2), and PHY 101 (3) (^{G}Element 4), ~~TRS 225, and 395.~~
^{G} = Course also satisfies a General Education element. Some supporting course hours are therefore included within the 36 hr. General Education requirement above.

Free Electives...~~9~~10 hours

TOTAL HOURS TO COMPLETE DEGREE...........120 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Department of Safety and Security
___ New Course (Parts II, IV)	College	College of Justice and Safety
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor in Occupational Safety
___ Program Suspension (Part III)		
X Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	☐ Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/27/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/15/2017	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Add OSH 110 and remove OSH 305 from the Minor in Occupational Safety. Add the "W" requirement to OSH 410.

A. 2. Proposed Effective Academic Term: Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: N/A

B. The justification for this action: The Occupational Safety faculty determined that the course Introduction to Safety Studies is needed as a foundation course to support student progression through the remaining requirements of the Minor.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA

Operating Expenses Impact: NA

Equipment/Physical Facility Needs: NA

Library Resources: NA

Part II. Recording Data for New, Revised, or Dropped Course

(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text

(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text

(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

MINOR IN OCCUPATIONAL SAFETY

A student may minor in Occupational Safety by completing, with a grade of "C" or better. A total of 18 semester hours as follows:

Requirements..**18 hours**

OSH <u>110,</u> 261, 262, ~~305,~~ 366, 390, and 410<u>W</u>

Total Curriculum Requirements ....**18 hours**

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Chemistry
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Bachelor of Science(B.S.) Forensic Science
___ Program Suspension (Part III)		
_X_ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/25/2017&12/12/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17 & 12/14/17	Faculty Senate**	Pending
General Education Committee*	N/A	Board of Regents**	Pending
Teacher Education Committee*	N/A	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	N/A		

 *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Core requirements for the forensic biology option now will include the forensic microscopy course. Upper division restricted electives will provide pathways for forensic biology students to select a focus area in either DNA, forensic anthropology, bioinformatics, or trace evidence. Because of the strength of the forensic chemistry option, only minor adjustments are made. Core requirements now require the DNA Profiling course. New to this option is an elective offering in fire science.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

  Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

To meet the accreditation requirements from the American Academy of Forensic Science along with input from an advisory board, we are updating the program to guarantee that students are meeting the academic goals and mission set forth by the EKU Forensic Science Program to make them prepared upon graduation. In addition, the proposed curriculum gives students more flexibility in areas they would like to pursue. The revisions also ensure the undergraduate degree and the 3+2 degree are correlated in the catalog.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: Finger printing, question document equipment

 Library Resources: None

Bachelor of Science (B.S.)
FORENSIC SCIENCE
CIP Code: 40.0501

The Forensic Science degree program at EKU is a comprehensive science-based undergraduate education that prepares students to become leaders in the forensic science discipline. Forensic analytical work requires patience and diligence, with attention to detail and high-quality standards that will stand up in court. A forensic scientist must be able to communicate effectively, both orally and in writing, have personal integrity and high ethical standards, and have no history of drug abuse or criminal activity. Because the program provides a strong knowledge base and skill set in both molecular biology and analytical chemistry, graduates can also pursue careers in a variety of laboratory settings in industry, academic research labs, environmental work, or pharmaceutical science.

The program offers two options: 1) Forensic Chemistry and 2) Forensic Biology. The Forensic Chemistry option of the Forensic Science degree prepares analysts to use analytical chemistry to examine evidence in the crime laboratory. Forensic Chemistry graduates will typically work in trace evidence, toxicology, drug identification, or firearm sections of the crime laboratory. The Forensic Biology option of the Forensic Science degree prepares students to work in areas of a forensic laboratory requiring a knowledge of genetics, molecular biology, and analytical chemistry. The forensic biologist applies scientific knowledge and skills to solve complex real-life problems in DNA analysis in support of investigative work. Forensic Biology graduates will typically work in the DNA/serology sections of the forensic laboratory.

Admission/Progression Criteria
All forensic science majors utilize the regular admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program, the student must maintain an overall (institutional) GPA of 2.75 on a 4.0 scale. The Forensic Science Program also limits the number of major core, concentration, and supporting courses which may be repeated. Students are allowed to repeat up to 9 credit hours of major, supporting and concentration courses. Students who fail to meet one of these criteria will be removed from the Forensic Science degree program and placed in the B.A. Chemistry, Chemistry Option, degree program.

UNIVERSITY GRADUATION REQUIREMENTS
General Education...36 hours
Student Success Seminar...1 hour
   (SCO 100C; waived for transfers with 30+ hrs.)

Writing Intensive Course *(hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)*
Upper division courses *(42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)*

ACCT - Forensic Science majors will fulfill ACCT with FOR 499 *(Credit hours are incorporated into program requirements below.)*

Total hours University graduation requirements..37 hours

MAJOR REQUIREMENTS
Forensic science majors have a graduation requirement of an institutional GPA of 2.75/4.0 or better.
The curriculum below produces a degree that meets the guidelines for accreditation by the Forensic Science Education Programs Accreditation Commission (FEPAC) of the American Academy of Forensic Science (AAFS).

  Core Courses...37 44 hours
CHE 111/111L(4), 112/112L(4), 325/325L(5), 361/361L(4), 362/362L(4), 430, 570(4); FOR 301, 331, 401, 411/ 411L(4), 451/451L(3), 465W, and 499.

  Concentration Requirements:
While not required of either option, an The internship (FOR 349) in a forensic science laboratory is an elective but highly recommended. *Students interested in internship must complete FOR 310 Training for Forensic Internship before FOR 349.*

  Forensic Chemistry...27 20 hours
CHE 325/325L(5), 520 or 720, 570 or 770 (4), CHE 425/425L(4) or FOR 411/411L(4), FOR 412/412L(4), 440, 442/442L(4), 451/451L(3), 475, and 3 hrs of electives from the following: CHE 349/349A-N(0.5-8), 432(1), 450, 501, 501L(1), 515(5), FOR 310(1), 331, 331L(1), 349(0.5-8), or 460, 490(1-3), FSE 350, 380.

  Forensic Biology.. 27 20 hours
BIO 315(4), 320(4), 331, 531(4); CHE 432(1), FOR 331, 331L(1), and 10 3 hrs of electives from the following: BIO 527, 528, 533, 535, 546, CHE 325/325L(5), CHE 425/425L(4) or FOR 411/411L(4), 520 or 720, or FOR 310(1), 349(0.5-8), 412/412L(4), 442/442L(4), 460(1-3), 490(1-3).

  Supporting Course Requirements. ....15-16 13 hours
BIO 111(4)([G]Element 4); MAT 234(4)([G]Element 2) or 234H*(4)([G]Element 2); PHY 131(5)([G]Element 4) or 201(5)([G]Element 4); PHY 132(5) or 202(5); STA 215 or 270(4), PLS 316.
  [G] *= Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)*

  Free Electives...3-4 6 hours
TOTAL HOURS TO COMPLETE DEGREE...120 hours

Forensic Science (BS)
BIOLOGY OPTION
Map
Forensic Science Education Programs Accreditation Commission (FEPAC) Standards

Column headers:
- C1: 4.1.1 General Curriculum 1. Obtain a thorough grounding in the natural or computer sciences; 2. Build upon this background by taking a series of more advanced science classes; and 3. Develop an appreciation of issues specific to forensic science through course work and laboratory-based instruction.
- C2: 4.1.1 General Curriculum1. Courtroom testimony 2. Introduction to law 3. Quality assurance 4. Ethics 5. Professional practice 6. Evidence identification, collection, processing 7. Survey of forensic science
- C3: 4.1.1a Natural Science Core Courses Biology: at least one course, which includes an associated laboratory, in biology for science majors (4 semester hours)
- C4: 4.1.1a Natural Science Core Courses Physics: at least two courses, each of which includes an associated laboratory, in physics for science majors (8 semester hours). Note: Calculus-based physics is preferred but not required.
- C5: 4.1.1a Natural Science Core Courses Chemistry: at least four courses, each of which includes an associated laboratory. Two of the courses shall be in general chemistry for science majors (8 semester hours), and two shall be in organic chemistry for science majors (8 semester hours).
- C6: 4.1.1a Natural Science Core Courses Mathematics: at least one course in differential and integral calculus (3 semester hours) and at least one course in statistics (3 semester hours)
- C7: 4.1.1b Specialized Science Courses A minimum of 12 additional semester hours in more advanced coursework in chemistry or biology. At least two of the classes shall include laboratory training.
- C8: 4.1.1c Forensic Science Courses A minimum of 15 semester hours in forensic science coursework must be covered in the curriculum.
- C9: 4.1.1d Additional Courses A minimum of 19 additional semester hours in the student's area of specialization...

Course	Title	C1	C2	C3	C4	C5	C6	C7	C8	C9
Core Courses										
CHE 111	General Chemistry I	1				✓				
CHE 111L	General Chemistry Lab I	1				✓				
CHE 112	General Chemistry II	1				✓				
CHE 112L	General Chemistry Lab II	1				✓				
CHE 361	Organic Chemistry	2				✓				
CHE 361L	Organic Chemistry Lab	2				✓				
CHE 362	Organic Chemistry II	2				✓				
CHE 362L	Organic Chemistry Lab II	2				✓				
CHE 430	Biochemistry of Macromolecules, 3	2						✓		
CHE 570	Biophysical Chemistry, 4	2						✓		
FOR 301	Introduction to Forensic Science	3	7						✓	
FOR 331	**DNA Profiling**	3	6							✓
FOR 401	Forensic Professionals Practice	3	3, 4, 5						✓	
FOR 451	**Forensic Microscopic Analysis**	3	4,6						✓	
FOR 451L	**Forensic Microscopic Lab**	3	4,6						✓	
FOR 465W	Expert Witness Testimony	3	1, 2, 3, 4							✓
FOR 499	Forensic Science Capstone	3	1, 2, 3, 4						✓	
CONCENTRATION-FORENSIC BIOLOGY										
BIO 315	Genetics	2						✓		✓
BIO 320	Principles of Microbiology	2						✓		✓
BIO 331	**Cell Biology**							✓		
BIO 531	Principles of Molecular Biology	2								✓
CHE 432	Biochemistry Laboratory	2						✓		✓
FOR 331	DNA Profiling	3	6						✓	
FOR 331L	DNA Profiling Lab	3	6						✓	
BIO OPTION ELECTIVES, 10 HR REQUIRED										
CHE 325/352L	**Analytical Chemistry**									✓
CHE 425/425L	**Instrumental Analysis**									✓
CHE 520/720	**Mass Spectrometry**									✓
CHE 570/770	**Biophysical Chemistry**									✓
BIO 527	Immunology	2								✓
BIO 528	Virology	2								✓
BIO 533	Bioinformatics: Principles and Applications	2								✓
BIO 535	**Pathogenic Microbiology**	3								✓
BIO 546	Histology	2								✓
FOR 310	Training for Forensic Internships	3	5							
FOR 349*	Applied Learning in Forensic Science	3	1,2,3,4,5,6,7							✓
FOR 349 A-N	Cooperative Study: Forensic Science	3	1,2,3,4,5,6,7							
FOR 411/411L	**Instrumental Analysis**	2,3								✓
FOR 412/412L	**Trace Evidence**									✓
FOR 442/442L	**Drugs and Toxicology**									✓
FOR 310	**Training for Forensic Internships**	2,3								✓
FOR 460	Selected Topics in Forensic Science	3	1,2,3,4,5,6,7							
FOR 490	Introduction to Research	3	3,4,5							
SUPPORTING COURSE REQUIREMENTS										
BIO 111	Cell and Molecular Biology	1		✓						
MAT 234	Calculus I	1					✓			
PHY 131 OR 201	Physics I	1			✓					
PHY 132 OR 202	Physics II	1			✓					
PLS 316	**Criminal Evidence**	3	1,2,5,6							✓
STA 215 or 270	**Statistics**	1					✓			
OTHER										

Forensic Science (BS) CHEMISTRY OPTION Map
Forensic Science Education Program Accreditation Commission (FEPAC) Standards

Course	Title	4.1.1 General Curriculum (1. Obtain a thorough grounding in the natural or computer sciences; 2. Build upon this background by taking a series of more advanced science classes; and 3. Develop an appreciation of issues specific to forensic science through course work and laboratory-based instruction.)	4.1.1 General Curriculum (1. Courtroom testimony 2. Introduction to law 3. Quality assurance 4. Ethics 5. Professional practice 6. Evidence identification, collection, processing 7. Survey of forensic science)	4.1.1a Natural Science Core Courses Biology	4.1.1a Natural Science Core Courses Physics	4.1.1a Natural Science Core Courses Chemistry	4.1.1a Natural Science Core Courses Mathematics	4.1.1b Specialized Science Courses	4.1.1c Forensic Science Courses	4.1.1d Additional Courses
CORE										
CHE 111	General Chemistry I	1				✓				
CHE 111L	General Chemistry Lab I	1				✓				
CHE 112	General Chemistry II	1				✓				
CHE 112L	General Chemistry Lab II	1				✓				
CHE 325	Analytical Chemistry	2						✓		
CHE 325L	Analytical Chemistry Lab	2						✓		
CHE 361	Organic Chemistry	2				✓				
CHE 361L	Organic Chemistry Lab	2				✓				
CHE 362	Organic Chemistry II	2				✓				
CHE 362L	Organic Chemistry Lab II	2				✓				
CHE 430	Biochemistry of Macromolecules	2						✓		
CHE 570	Biophysical Chemistry	2						✓		
FOR 301	Introduction to Forensic Science	3	7						✓	
FOR 331	**DNA Profiling**	**3**	**6**							✓
FOR 401	Forensic Professionals Practice	3	3, 4, 5						✓	
FOR 411	Instrumental Analysis	2								✓
FOR 411L	Forensic Instrumental Lab	3	3							✓
FOR 451	Forensic Microscopic Analysis	3	4,6						✓	
FOR 451L	Forensic Microscopic Lab	3	4,6						✓	
FOR 465W	Expert Witness Testimony	3	1, 2, 3, 4							✓
FOR 499	Forensic Science Capstone	3	1, 2, 3, 4						✓	
CONCENTRATION-FORENSIC CHEMISTRY										
FOR 412	Forensic Trace Evidence	3	6						✓	
FOR 412L	Forensic Trace Evidence Lab	3	6						✓	
~~FOR 440~~	~~Drug Chemistry~~	~~3~~								✓
FOR 442	**Drugs & Toxicology** ~~Forensic Analytical~~	3	6							✓
FOR 442L	**Drugs & Toxicology Lab** ~~Forensic Analytical~~	3	6							✓
FOR 475	Mass Spectrometry	2								✓
CHE OPTION ELECTIVES, 3 HR REQUIRED										
CHE 349	Applied Learning in Chemistry									✓
CHE 349 A-N	Cooperative Study: Chemistry									✓
CHE 432	Biochemistry Laboratory	2								✓
CHE 450	Inorganic Chemistry	2								✓
CHE 501		2								✓
CHE 501L	Chemtopics Lab	2								✓
~~CHE 515~~	~~Synthetic & Analytical Methods~~	~~2~~								~~✓~~
FOR 310	Training for Forensic Internships		5							
FOR 331L	DNA Profiling Lab	3	6							✓
FOR 349	Applied Learning in Forensic Science	3	2,3,4,5,6,7							✓
FOR 349 A-N	Cooperative Study: Forensic Science	3	2,3,4,5,6,7							✓
FOR 460	Selected Topics in Forensic Science	3	1,2,3,4,5,6,7							✓
FOR 490	Introduction to Research	3	3,4,5							✓
FSE 350	**Fire Arson & Explosion Investigation I (FSE**	**3**	**3,5,6**							✓
FSE 380	**Analysis of Fire and Explosion Scenes**	**3**	**3,5,6**							✓
SUPPORTING COURSE REQUIREMENTS										
BIO 111	Cell and Molecular Biology	1		✓						
MAT 234	Calculus I	1					✓			
PHY 131 OR	Physics I	1			✓					
PHY 132 OR	Physics II	1			✓					
PLS 316	**Criminal Evidence**	**3**	**1,2,5,6**							✓
STA 215 or 270	**Statistics**	**1**					✓			
OTHER										

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Chemistry
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Bachelor of Science(B.S.) & Master of Science (M.S.) Forensic Science/Chemistry Accelerated 3+2 Dual Degree Program
___ Program Suspension (Part III)		
_X_ Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/25/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	N/A	Board of Regents**	Pending
Teacher Education Committee*	N/A	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

  *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change the core and concentration requirements.

Remove Forensic Biology degree option from Bachelor of Science (B.S.) & Master of Science (M.S.) Forensic Science/Chemistry Accelerated 3+2 Dual Degree Program

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

   Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The changes to the BS Forensic Science Biology option now require more biology courses than chemistry. Thus, students graduating with this option no longer meet the entrance requirement for the MS Chemistry program. The job market for these graduates does not require the MS Chemistry which may account for the low student interest. Also,
Bachelor of Science (B.S.) & Master of Science (M.S.) Forensic Science/Chemistry Accelerated 3+2 Dual Degree Program needs to be revised along with the proposed changes of Bachelor of Science (B.S.) Forensic Science program.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Bachelor of Science (B.S.) &
Master of Science (M.S.)
FORENSIC SCIENCE/CHEMISTRY
Accelerated 3+2 Dual Degree Program
CIP Code: 40.0501

The Forensic Science degree program at EKU is a comprehensive science-based undergraduate education that prepares students to become leaders in the forensic science discipline. Forensic analytical work requires patience and diligence, with attention to detail and high-quality standards that will stand up in court. A forensic scientist must be able to communicate effectively, both orally and in writing, have personal integrity and high ethical standards, and have no history of drug abuse or criminal activity. Because the program provides a strong knowledge base and skill set in both molecular biology and analytical chemistry, graduates can also pursue careers in a variety of laboratory settings in industry, academic research labs, environmental work, or pharmaceutical science.

The program offers two options: 1) Forensic Chemistry and 2) Forensic Biology. The Forensic Chemistry option of the Forensic Science degree prepares analysts to use analytical chemistry to examine evidence in the crime laboratory. Forensic Chemistry graduates will typically work in trace evidence, toxicology, drug identification, or firearm sections of the crime laboratory. The Forensic Biology option of the Forensic Science degree prepares students to work in areas of a forensic laboratory requiring a knowledge of genetics, molecular biology, and analytical chemistry. The forensic biologist applies scientific knowledge and skills to solve complex real-life problems in DNA analysis in support of investigative work. Forensic Biology graduates will typically work in the DNA/serology sections of the forensic laboratory.

Admission/Progression Criteria
All forensic science majors utilize the regular admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program, the student must maintain an overall (institutional) GPA of 2.75 on a 4.0 scale. The Forensic Science Program also limits the number of major core, concentration, and supporting courses which may be repeated. Students are allowed to repeat up to 9 credit hours of major, supporting and concentration courses. Students who fail to meet one of these criteria will be removed from the Forensic Science degree program and placed in the B.A. Chemistry, Chemistry Option, degree program.

Students accepted to the 3+2 Accelerated Dual Degree Option are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and that 9 semester hours of 700-level graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:
Students interested in this option must satisfy all the following conditions:
1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at http://gradschool.eku.edu/graduate-school-forms)
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 option.

Program Requirements

Students in 3+2 Accelerated Dual Degree Option must complete the listed Forensic Science (B.S.) program requirements along with the same requirements for the Chemistry M.S. Program (presented in the Graduate Catalog: listing at http://gradschool.eku.edu/graduate-catalog). Nine (9) credit hours of ~~700 level~~ graduate coursework (CHE ~~715~~ 720, ~~and~~ 770 (4), and 810 (2)) are applicable to the undergraduate degree.

UNIVERSITY GRADUATION REQUIREMENTS
General Education..36 hours
Student Success Seminar..1 hour
   (SCO 100C; waived for transfers with 30+ hrs.)

Writing Intensive Course *(hrs. incorporated into Major/Supporting/Gen Ed/Free Electives category)*
Upper division courses *(42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)*

ACCT - Forensic Science majors will fulfill ACCT with FOR 499 *(Credit hours are incorporated into program requirements below.)*

Total hours University graduation requirements...37 hours

B.S. FORENSIC SCIENCE 3+2 MAJOR REQUIREMENTS
Forensic science majors have a graduation requirement of an institutional *GPA of 2.75/4.0 or better.*
The curriculum below produces a degree that meets the guidelines for accreditation by the Forensic Science Education Programs Accreditation Commission (FEPAC) of the American Academy of Forensic Science (AAFS).

Core Courses... 37 ~~52~~ hours
   CHE 111/111L(4), 112/112L(4), ~~325/325L(5),~~ 361/361L(4), 362/362L(4), 430 ~~or 431, 450, 715(5), 770(4)~~; FOR 301, 331, 401, ~~411/411L(4), 451/451L(3),~~ 465W, 499. ~~(Note that 450 must be taken before 715.)~~
Concentration Requirements:
   ~~While not required of either option, an~~ The internship (FOR 349) in a forensic science laboratory is an elective but highly recommended.
   Students interested in internship must complete FOR 310 Training for Forensic Internship before FOR 349.
   Forensic Chemistry...31 ~~16~~ hours
   CHE 250(2), 325/325L(5), 450, 720, 770(4), 810(2), CHE 425/425L(4) or FOR 411/411L(4), FOR 412/412L(4 ~~3~~), ~~440,~~ 442/442L(4), ~~451/451L(3), and 475~~.
   ~~Forensic Biology...20 hours~~
   ~~BIO 315(4), 320(4), 531(4); CHE 432(1); FOR 331, 331L(1); and 3 hrs of electives from the following: BIO 527, 528, 533, 546, FOR 349(0.5-8).~~
Supporting Course Requirements.. 15-16 ~~13~~ hours
   BIO 111(4) (^GElement 4); MAT 234(4) (^GElement 2) or 234H(4) (^GElement 2); PHY131(5) (^GElement 4) or 201(5), (^GElement 4); PHY 132(5) or 202(5); STA 215 or 270(4), PLS 316.
   ^G = *Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.*
Free Electives...~~0-2~~ 0 hours

TOTAL HOURS TO COMPLETE DEGREE..120-121 ~~122~~ hours

M.S. CHEMISTRY MAJOR REQUIREMENTS
A. Core Requirements..... ....27 hours
 I. 700-level requirements... ....12 hours
   a. CHE 715(5) and one of the following: CHE 770(4)*, 774/774L(4) or 775/775L(4)...............................9 hours
   Students in the B.S. Forensics Science/Chemistry 3+2 program are required to take CHE 770
   b. Three additional hours in chemical/biological science or mathematics..3 hours
 II. 800-level Requirements... ....15 hours
   a. CHE 810(2), 811(2), 880(1), and 1 additional hour from either CHE 811 or 881.................................6 hours
   b. Pick three courses from the following: CHE 822, 830, 850, 860..9 hours

B. Program Tracks:
   Students will pick one of the following tracks
   Thesis Track: Graduate Research – Written Thesis Required ....6 hours
   CHE 899(6)
   Internship Track: Applied Learning in Chemistry – Written Report Required.............................6 hours
   CHE 839(6) or CHE 839(3) and 3 hours of CHE 700/800 level courses.
   Coursework Track...6 hours
   Three (3) hours of CHE 800 level courses and 3 additional hours from CHE 700/800 level courses.

Exit Requirements:
Thesis/Internship Track — A thesis/report based upon the original research/project in the area of the student's research concentration must be submitted. A final comprehensive oral examination (GRD 858b) in defense of the thesis/report and related course work is required.
Coursework Track – Candidates must earn a 3.0 GPA (or higher) for all program coursework for the option. In addition, the candidate for the coursework option must pass a final examination (GRD 858c). The committee will decide the format of the examination.

TOTAL HOURS TO COMPLETE M.S. DEGREE…..33 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Chemistry
___ New Course (Parts II, IV)	College	Science
___ Course Revision (Parts II, IV)	*Course Prefix & Number	
___ Hybrid Course ("S," "W")	*Course Title (full title±)	
___ New Minor (Part III)	*Program Title	Minor – Forensic Science
___ Program Suspension (Part III)		
x Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	* Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	10/25/2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	N/A	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	N/A		

   *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Add new courses to minor in forensic science to meet the needs of the students.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

   Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

The current minor in forensic science is not accessible to majors outside of biology and chemistry due to hidden pre-requisites. There has been a lot of student interest from students in the College of Justice & Safety for a forensic minor. These the courses selected have pre-requisites that open the forensic science minor up to any major.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None

Operating Expenses Impact: None

Equipment/Physical Facility Needs: None

Library Resources: None

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1.	For a new course, provide the catalog text.
2.	For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3.	For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1.	For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2.	For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

Minor in Forensic Science:

The minor in forensic science requires a minimum of 18 credit hours as indicated below

Core Requirements: FOR 301, <u>401</u>, <u>460</u>……….~~3~~ 9 hours

Elective Requirements……………………………. ~~15~~ 9 hours
 Nine (9) hours of electives from the following: <u>FSE 250, PLS 220, PLS 316</u>, ~~CHE 425/425L (4) or FOR 411/411L(4);~~ FOR 331/331L(4), FOR 451/451L(3), ~~FOR 460(1-3), FOR 475,~~ FOR 490(1-3).

Total curriculum requirements ………………………..18 hours

Substantial Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)

Part I

(Check one)	Department Name	Geosciences
New Course (Parts II, IV)	College	Science
Course Revision (Parts II, IV)	Course Prefix & Number	
Hybrid Course ("S," "W")	Course Title (full title±)	
New Minor (Part III)	Program Title	B.S. Geology
Program Suspension (Part III)		
x Program Revision (Part III)	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	
	Provide only the information relevant to the proposal.	± If Title is longer than 30 characters see Part IV to provide abbreviation

Proposal Approved by:	Date		Date
Departmental Committee	11-8-2017	Council on Academic Affairs	2/15/18
College Curriculum Committee	11/27/17	Faculty Senate**	Pending
General Education Committee*	NA	Board of Regents**	Pending
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	
Graduate Council*	NA		

 *If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

1. To add GLY 210, 460, and GEO 501 as Geology Electives to the program;
2. To separate the supporting courses (non-GEO and GLY) from the geosciences courses in the two concentrations;
3. To remove GLY 102 as an introductory course option in the core;
4. To remove GLY 512 as Geology Elective from the program;
5. To remove MAT 217 as a supporting course for the Academic Concentration;
6. To add PHY 131 and 201 as possible PHY supporting courses for the Professional Concentration;
7. To add a comment indicating that a preparatory course in mathematics may be required before enrolling in MAT 122 for the Professional Concentration.

A. 2. Proposed Effective Academic Term: (Example: Fall 2016)

Fall 2018

A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:

1. GLY 210 and 460 are important courses for students seeking a hydrologic-focused undergraduate degree, especially if they plan to pursue hydrology or hydrogeology at the graduate level. GLY 210 also addresses critical SLOs necessary to successfully pass the ASBOG Fundamentals of Geology certification exam for professional geologists. GEO 501 is a selected topics geospatial techniques course, and 21st Century geology utilizes geospatial techniques regularly. Therefore, these courses create a more robust degree program that allows students to gain valuable knowledge and skills in preparation for a career or graduate school.

2. Students applying to graduate school are asked to provide information about their GPA in their major. With the current structure of the degree program, Degree Works mixes their GPA from non-geosciences courses and geosciences courses, making it more complicated for graduate schools and graduate school applicants to assess their qualifications for admission and financial aid.

3. Since GLY 102 will now be geared toward elementary education majors, and only about 1/3 of the course will be geology content, it no longer makes sense for this course to count toward the geology degree program. Most BS Geology students who had taken GLY 102 as an introductory course started as Earth Science Teaching majors and switched to geology. With the suspension of this teaching program in 2015, we no longer have a pipeline from teaching degrees into the BS Geology degree program.

4. GLY 512 was dropped from the curriculum in 2016-2017, so this is an editorial change reflecting that previous action.

5. PHY 131 and 201 are more mathematically rigorous versions of PHY 101 and therefore students who can tackle the higher math rigor should be encouraged to take these rather than the mathematically simpler course.

6. MAT 217 was included as a supporting course in the Academic concentration to support student achievement in completing MAT 234; however, most of our students choosing the Academic concentration are so academically strong that they have AP Calculus credit, or completed calculus (and beyond) before attending EKU. As a result, MAT 217 has become a hurdle to graduation rather than a course that supports student success in the program.

7. This is an editorial change to make it consistent with the note that accompanied the supporting course requirement of MAT 234 or 234H.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: None, these courses are already on a teaching rotation; we are simply repackaging them in a way that makes more sense to students and graduate schools.

Operating Expenses Impact: None, we are just reorganizing the courses within the program.

Equipment/Physical Facility Needs: None

Library Resources: None

Part II. Recording Data for New, Revised, or Dropped Course
(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and <u>underlines</u> for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

Part III. Recording Data for Revised or Suspended Program

1. For a revised program, provide the current program requirements using ~~strikethrough~~ for deletions and *underlines* for additions.
2. For a suspended program, provide the current program requirements as shown in catalog. List any concentrations and/or minors affected by the program's suspension.

Revised* Program Text
(*Use ~~strikethrough~~ for deletions and <u>underlines</u> for additions.)

UNIVERSITY GRADUATION REQUIREMENTS
- *General Education* ……………………………………………………………………*36 hours*
- *Orientation Course (waived for transfers with 30+ hrs.)*………………………….…..... *1 hour*
- *Writing Intensive Course (Hrs. incorporated into Major/ Supporting/Gen Ed/Free Electives category)*
- *Upper division courses (42 hrs. distributed throughout Major/ Supporting/Gen Ed/Free Electives categories)*
- *ACCT – Geology majors will fulfill ACCT with GLY 498 and 499, or 451(6). (Credit hours are incorporated into program requirements below.)*
Total Hours University Graduation Requirements………………....………..**37 hours**

MAJOR REQUIREMENTS
Core Courses...**35 hours**

> GLY 309(4), 409(4), 410(4), 415(4), 420(4), and 450W; GLY 498 and 499, or 451(6); Six (6) hours from the following: GLY ~~102~~, 104, 107, 108, 109, or GEO 210.

Required Concentrations (select one):

> **Academic**………………………………………………………………………~~25-2~~<u>6</u> **hours**
>
> ~~CHE 112/112L(4); MAT 217(1-2), 234*(4) or 234H*(4); PHY 131(5) or 201(5); PHY 132(5) or 202(5); and s~~<u>S</u>ix (6) hours from the following: GEO 302W, 315, 325, 343, 351, 353, 453, 455, 456, 458, <u>501,</u> GLY <u>210,</u> 303, 315, 351, 408, <u>460,</u> 480, 482, ~~512,~~ 535, 580, STA 215 or 270.
>
> **Professional**……………………………………………………………….……**21**<u>18</u> **hours**
>
> GEO 353, 456; GLY 315, 535; ~~PHY 101;~~ and six (6) hours from the following: GEO 302W, 315, 325, 343, 351, 453, 455, 458, <u>501,</u> GLY <u>210,</u> 303, 351, 408, <u>460,</u> 480, 482, ~~512,~~ 580.

Supporting Course Requirements ~~(both concentrations)~~……………………........**ᴳ3 hours**

> ~~CHE 111/111L(4)(ᴳElement 4), MAT 122(5) (ᴳElement 2).~~
>
> <u>**Academic**………………………………………………………………….. **ᴳ13 hours**</u>
>
> <u>CHE 111/111L(4)(ᴳElement 4), 112/112L(4); MAT 234*(4) or 234H*(4) (ᴳElement 2); PHY 131(5) or 201(5)(ᴳElement 4); PHY 132(5) or 202(5).</u>
>
> <u>**Professional**……………………………………………………………..… **ᴳ3-5 hours**</u>
>
> <u>CHE 111/111L(4)(ᴳElement 4); MAT 122(5) or higher*(ᴳElement 2); PHY 101, 131, or 201(ᴳEl</u>ement 4).

*Preparatory course in mathematics may be required before admission to <u>MAT 122,</u> MAT 234 or 234H.
ᴳ = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.)

Free Electives………………………………………………………..…~~16-21~~ <u>25-29</u> **hours**

TOTAL HOURS TO COMPLETE DEGREE……………………………….……..**120 hours**

Student Learning Outcomes (ASBOG Task Statements)

Course groupings: **Core Courses** (Intro* – Capstone); **Professional Requirements** (GLY 315, GEO 353, GEO 456); **Academic Electives** (GLY 535); **BS Geology Electives for Academic and Professional Concentrations** (GLY 210 – GLY 580*).

SLO	Intro*	GLY 309	GLY 409	GLY 410	GLY 415	GLY 420	GLY 450W	Capstone	GLY 315	GEO 353	GEO 456	GLY 535	GLY 210	STA 215/270	GEO 302W	GLY 303*	GEO 315	GEO 325	GEO 343	GLY 351	GLY 408	GEO 453	GEO 458	GLY 460	GLY 480	GLY 482	GEO 501*	GLY 580*
A. General And Field Geology																												
1 Plan and conduct geological investigations considering human health, safety, and welfare, the environment, regulations, professionalism and ethics, and Quality	I			I				R	I				I												R			
2 Compile and organize available information to plan geological investigations.							R	R		R	R	R		R	R		R	R							R		R	
3 Collect, describe, and record new geological and geophysical data.	I	R	R	R	R	R		R	R	R	R	R		R			R	R			R	R	R		R			
4 Determine positions, scales, distances, and elevations from remote sensing, imagery, surveys, sections, maps, and GIS.	I			R	R			R	I	R	R	R						R			R	R			R		R	
5 Prepare, analyze, and interpret logs, sections, maps, and other graphics derived from field and laboratory investigations.	I			R		R		R	R	R	R	R					R	R			R	R	R	R	R			I,R
B. Mineralogy, Petrology, and Geochemistry																												
7 Identify minerals and rocks and their characteristics.	I	R	R		R																				R			
8 Identify and interpret rock and mineral sequences and associations, and their genesis.	I	R	R		R	R							I												R			
9 Evaluate geochemical and isotopic data and construct geochemical models related to rocks and minerals.		I	R										I											R		R		
10 Determine type, degree, and effects of rock and mineral alteration.	I		R		R								I															
C. Sedimentology, Stratigraphy, and Paleontology																												
12 Select and apply appropriate stratigraphic nomenclature and establish correlations.	I	R	R		R	R																			R	R		
13 Identify and interpret sedimentary processes and structures, depositional environments, and sediment provenance.	I	R	R		R	R																			R			
14 Identify and interpret sediment and/or rock sequences, positions, and ages.		I	I		R	R																			R	R		
15 Identify fossils and interpret fossil assemblages for age, paleoenvironmental interpretations, and/or stratigraphic correlations.	I		R		R	R																			R	R		
D. Geomorphology, Surficial Processes, and Quaternary Geology																												
17 Identify, classify, and interpret landforms, surficial materials, and processes.	I				R				R										R	R		R		R				
18 Determine absolute or relative age relationships of landforms, sediments, and soils.	I						R															R						
19 Evaluate geomorphic processes and development of landforms, sediments, and soils, including watershed functions.	I				R				I										R	R		R						I
20 Apply remote sensing and GIS techniques to interpret geomorphic conditions and processes.										R	R								R	R		R	R	R				
E. Structure, Tectonics, and Seismology																												
22 Identify and define structural features and relations, including constructing and interpreting structural projections and statistical analyses.	I			R	R																				R			
23 Interpret deformational history through structural and tectonic analyses.	I			R			R																		R			
24 Develop and apply tectonic models to identify geologic processes and history.	I			R	R	R	R																		R			
25 Evaluate earthquake mechanisms and paleoseismic history.	I			R			R								I													
F. Hydrogeology																												
27 Define and characterize hydraulic properties of saturated and vadose zones.									I			R													R		R	
29 Evaluate water resources, assess aquifer yield, and determine sustainability.									I			R				I											R	
30 Characterize water quality and assess chemical fate and transport.									I			R	I												R			I
G. Engineering Geology																												
33 Identify and evaluate engineering and physical properties of earth materials.					I, R				I								I							I	I,R			
35 Identify, map, and evaluate geologic, geomorphic, and seismic hazards.	I														I		R											
36 Interpret land use, landforms, and geological site characteristics using imagery, maps, records, and GIS.										R	R											R	R		I, R			
H. Economic and Resources Geology																												
39 Compile and interpret the data necessary to explore for mineral and energy resources.													I												R			
40 Estimate the distribution of resources based on surface and subsurface data.													I												I, R			
42 Determine quantity and quality of resources.																									I, R			

*Content will vary, so SLOs covered will also vary. *Topics may vary, so SLOs covered will also vary.