REQUEST FOR A NEW MAJOR
University of Central Oklahoma

Please note: All information contained in this form will be reviewed by persons outside of your college. Please use clear and concise language when completing this form.

Proposed Name of Major (limited to 30 spaces*)
*Remember when abbreviating names, this is how they will appear on student's transcripts.

Disaster Management

Name of Major: ________________________

To which program is this new major connected:

Political Science

Degree Designation (ex. B.S., M.A.)

B.A.

CIP Code: 43.0302

For information regarding CIP codes contact your department chair or visit: http://www.ucmo.edu/academic-affairs/ir/program_inventory.asp.

Does this new major affect other programs or departments?

Yes [ ] No [x] If yes, provide name(s) of department chair(s) contacted, date(s), and results of discussion(s).

Date submitted to Provost Cabinet: ________________________

All proposals for new programs and majors must be presented by the College Dean to the Provost Cabinet for prioritization, planning and approval to proceed.

Dean Webster presented this proposal at the Academic Affairs Retreat on Nov. 20, 2019.

Political Science

Department submitting the proposal

Dr. Alyssa L. Provencio ________________________ aprovencio@uco.edu ________________________ 5537 Ext. number

Person to contact with questions email address Ext. number

Approved by:

__________________________ 9/18/2020

Department Chair Date

College Curriculum Committee Chair ________________________ Date

(Please notify department chair when proposal is forwarded to dean.)

College Dean ________________________ Date

(Please notify department chair when proposal is forwarded to AA.)

Academic Affairs Curriculum or Graduate Council ________________________ Date

Office of Academic Affairs ________________________ Date

Effective term for this program change
(Assigned by Academic Affairs)
1. What is the objective of this new major? (This is a question from the OSRHE request for new major form) 

With human and economic asset exposures and vulnerabilities increasing in much of the world, reducing the impact of emergencies and disasters is crucial to societal well-being and sustainability in the 21st century. Oklahoma currently does not have a four-year undergraduate program in emergency or disaster management, a significant gap in the market. While there are few two-year and graduate programs scattered throughout the state, this offering would fulfill a need and be in line with higher education trends in the discipline. Opportunities for academic and professional collaboration in the state are plentiful and there appears to be demand for such a program (see below).

2. Proposed curriculum as it will appear in the catalog: (Please place asterisk(s) beside new courses and submit a "Request for a New Course" form for each new course.)

(Proposed Major Requirements)

Major Requirements Disaster Management........................................45-53

Disaster Management Foundation...............................................18
*POL 2xx3 Introduction to Emergency Management
*POL 2xx3 Introduction to Public Sector Crises
*POL 3xx3 Disaster Preparedness and Planning
*POL 3xx3 Disaster Response
*POL 3xx3 Disaster Recovery and Mitigation
POL 4903 Practicum in Public Service (3 hours)

Public Service/Political Science Foundation..............................4518
Required:
POL 2013 Political Science Statistics
POL 2103 Elements of Political Science
POL 4993 Democratic Governance

Select from the following:
POL 1203 State and Local Government
POL 2413 Introduction to Public Administration
*POL 4xx3 Public Service Human Resources
POL 4413 Public Policy Analysis
POL 4463 Public Finance and Budgeting

Analytics Foundation.......................................................2
Select from the following:
POL 2013 Political Science Statistics
POL 4523 Public Program Evaluation

Focused Electives.........................................................9
Select from the following:
ECON 2103 Principles of Microeconomics
ECON 2203 Principles of Macroeconomics
POL 2623 Applied Research in Public Administration
POL 3313 Municipal Management/Politics
POL 3343 Administrative Law
POL 3583 Urban Government and Policy
POL 4253 Ethics in Public Service
POL 4353 Sustainable Economic Development
POL 4363 Urban Sustainability
*POL 4xx3 Animals in Public Policy and Law [new course AY 20]
*POL 4xx3 Public Strategic Management [new course AY 20]
POL 4423 Environmental Politics
POL 4443 Cases in Public Administration
POL 4603 Intergovernmental Relations
POL 4523 Public Program Evaluation
POL 4593 State Gov Admin & Policy [course number change AY 20]

The following courses may also be considered when fulfilling focused electives:
POL 4900 Practicum in Public Service (1-4 hours)
POL 4910 Seminar in Political Science (1-4 hours)
POL 4920 Workshop (1-9 hours)
POL 4930 Individual Study (1-4 hours)
POL 4940 Field Study (1-6 hours)
POL 4950 Internship (1-8 hours)
POL 4960 Institute in Political Science
POL 4970 Study Tour

Modern Language Requirement ......................................................... 0-8

All students completing a B.A. in Disaster Management shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

Electives to bring total to ............................................................. 124

Minimum Grade Requirements Average in (a) all college course work, (b) course work at UCO, and (c) major courses ................................................................. 2.50

For other regulations pertaining to graduation, see pages 68-69 of the 2018-2019 catalog.

Students wishing to apply for the Accelerated BA/MPA program in Public Administration may enroll in three MPA graduate levels courses as seniors under the Graduate College’s Mixed Admissions Policy. Admission requires a 3.0 undergraduate GPA, and application to and approval of the POL Accelerated BA/MPA Committee.

NOTE: The Oklahoma State Regents require all majors under a program share approximately 50 percent of the major course requirements.

3. Have you checked to ensure there are no hidden requirements with each of the proposed courses in the curriculum?
   X Yes   ☐ No

4. Demand for this new major. What is the local, regional, and/or national need for this program?

   Provide market analysis data or other tangible evidence to support employment opportunities available for graduates of this major using state and national market surveys, employment projections, trend analysis, etc.

   According to the Burning Glass report, the state and national demand is expected to rise over the next 8 years - ~11% in Oklahoma and ~8% nationally. The starting salary for a graduate of similar programs is double that of the average living wage in Oklahoma. The jobs in the profession usually require a four-year degree, yet there are no four-year degree options in the state, only two-year and graduate programs. The closest would-be competitors are in North Texas, Arkansas, and Kansas. Oklahoma currently has over 400 local emergency managers across the state, as the state mandates the position for each jurisdiction. This does not include the federal/state level or private sector opportunities, as well as other areas that a graduate may be attracted to. This particular workforce is aging out and needs educated professionals to replace them. In addition, due to climate change, the number of extreme weather events is likely to increase over the coming decades creating a need for those with the knowledge, skills, and abilities to address the challenges we will face as a nation.

5. Projected number of students expected to select this major over the first three years.

<table>
<thead>
<tr>
<th>Semester</th>
<th>AY 22</th>
<th>AY 23</th>
<th>AY 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>20</td>
<td>22</td>
<td>24</td>
</tr>
</tbody>
</table>

Academic Affairs Form
February, 2018

Functional review __CS__
(undergraduate proposals only)
6. Projected new cost of the major over the first three years based on the projected number of students expected to select this major for:
   a. Faculty or staff (new or re-allocated faculty/staff and specify whether full-time or part-time)
      AY 22: This course will be staffed and equipped with current faculty and resources. With changes in enrollment patterns, the department anticipates that two faculty members will gradually reduce the number of POL 1113 American National Government courses they are teaching to fully cover all newly proposed courses for the first three years of the new Disaster Management major without an increase in the adjunct budget.
      AY 23
      AY 24

   b. Resources, technology, supplies or equipment that must be acquired for this new major:
      List items which must be purchased and estimated cost. (Be specific.)
      AY 22: There are no new resources, technology, supplies or equipment anticipated for the first three years of the major.
      AY 23
      AY 24

7. Does the UCO Library have the required library resources available for this new major?  
   x Yes  No  If yes, provide names of Librarian/Faculty Liaisons contacted, dates, and results of discussion. 
   1/29/20, Aaron Sterba
   "Hello Alyssa, I searched the library resources using the keywords you provided and have collected some search result numbers for total, peer reviewed resources, and books. I have also provided a small sampling of publication titles the articles are coming from. This initial search shows that we have a large number of supporting materials for these topics. Feel free to offer your opinion on the collection as well. 
   As always, if you and your colleagues would like specific materials in support of any new curriculum, please contact us and we will work on getting them added to the collection.
   "disaster management" OR "emergency management"
   389,000 + results
   62,000 + peer reviewed results
   2,640 book results
   Publications such as: Injury prevention, Int. Journal of nursing education, IEEE power and energy
   ...
   "public sector" "crisis management"
   8,734 results
   3,345 peer reviewed results
   6 book results
   Publications such as: disaster prevention and management international journal, journal of business strategy, public administration review

   Preparedness and Planning for emergencies/disasters
   873 results
505 peer reviewed results
50 book results
Publications such as: American journal of public health, health in emergencies & disasters quarterly, disaster and military medicine
Response in emergencies/disasters
2,964 results
1,220 peer reviewed results
62 book results
Publications such as: American journal of public health, Prehospital and disaster medicine, disaster and military medicine
Recovery Mitigation emergencies disasters
8,040 results
2,801 peer reviewed results
25 book results
Publications such as: health in emergencies & disasters quarterly, public administration review, disaster health, disaster prevention and management

Thank you, and let me know if you need anything else.
Aaron Sterba”

If no, what additional library resources must be acquired for this new major? List items which must be purchased and estimated cost. (Be specific, e.g., books, magazines, journals, etc.)

8. Will the majority of this major be available via electronic media? (If so, explain: online, SPOC, etc.)
   Yes [ ] No [X] 
   If yes, explain [ ]

9. Unnecessary duplication: How does the proposed major complement and strengthen existing programs at UCO? List similar majors, if any, and discuss the degree of similarity.
   Though there are related courses scattered throughout the College of Liberal Arts, there is no centralized program or department. The courses currently offered are specializations within the broader discipline and do not offer a broad-based curriculum in the basics of the field.

10. The purpose and need for this new major is based on which of the following: (Check all that apply; explain and document in Question #11)
   [ ] Specialized Accreditation
   [X] SSCI (Self Study for Continuous Improvement)
   [ ] Benchmark (e.g. comparison to peer institutions)
   [ ] Assessment Data
   [X] Faculty Knowledge/Discipline Expertise
   [ ] Advisory Board/Outside Professional Group
   [X] Other

11. For all items checked in Question #10, please provide a concise, yet comprehensive, statement that explains the purpose and need for requesting the new major including any necessary documentation. (The information provided here will be submitted to the OSRHE)
Benchmark – As stated above, the available jobs in the profession of emergency management usually require a four-year degree, yet there are no four-year degree options in the state, only two-year and graduate programs. The four-year degree program at Northeastern State University (Bachelor of Technology in Emergency Responder Administration) is narrow in its offerings, is not a B.A., and does not address the breadth of opportunities in Disaster Management.

<table>
<thead>
<tr>
<th>Oklahoma</th>
<th>Northeastern State University</th>
<th>Bachelor of Science in Homeland Security</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Northeastern State University</td>
<td>Emergency Management and Planning Certificate</td>
</tr>
<tr>
<td></td>
<td>Oklahoma State University</td>
<td>Bachelor of Technology in Emergency Responder Administration</td>
</tr>
<tr>
<td></td>
<td>Oklahoma State University</td>
<td>Master of Science in Fire and Emergency Management</td>
</tr>
<tr>
<td></td>
<td>Oklahoma State University</td>
<td>Ph.D. in Fire and Emergency Management</td>
</tr>
<tr>
<td></td>
<td>Rose State College</td>
<td>Associate of Science in Emergency Management</td>
</tr>
<tr>
<td></td>
<td>University of Oklahoma School of Medicine</td>
<td>Fourth-Year Medical Student Elective Rotation in Disaster Medicine</td>
</tr>
</tbody>
</table>

Also mentioned earlier, the closest would-be competitors are in Kansas (1 four-year program at Kansas Weslayan), Arkansas (2 total four-year programs – Arkansas State University and Arkansas Tech University), and Texas. Texas has 7 four-year related programs (variations on Emergency/Disaster Management), but the closest is the B.S. in Emergency Administration and Planning at the University of North Texas in Denton, TX.

Faculty Knowledge/Discipline Expertise – Dr. Alyssa L. Provencio has a PhD from Oklahoma State University in Fire and Emergency Management Administration, as well as a number of years of practical field experience. She is well-equipped to teach all courses offered in this discipline. Ms. Deborah Ferrell-Lynn, a full-time lecturer, has been teaching Managing Public Sector Crises since she joined the Political Science faculty. She has field experience and is more than qualified to teach courses related to Emergency Management at the undergraduate level.

Other - After accounting for state size, Oklahoma ranks first in the number of Presidential disaster declarations of all time (i.e., 1953-present) (Federal Emergency Management Agency, 2019). Additionally, Oklahoma City’s Alfred P. Murrah Federal Building was the site of one of the costliest, most destructive, and fatal acts of domestic terror in United States’ history. The state’s emergency operations plan lists 30 different potential hazards, including manmade threats such as oil spills and hazardous materials releases (Oklahoma Department of Emergency Management, 2016). Needless to say, emergency managers and other public safety officials in the state are no strangers to action.

Oklahomans are also not strangers to the high cost of disaster. From May to June 2019, 27
counties in Oklahoma were designated to receive disaster assistance as part of the federal disaster declaration for severe storms, straight-line winds, tornadoes, and flooding. Since 2005, the Federal Emergency Management Agency has supported the state with $755 million in individual and public assistance grants. Data from the past five years suggests that major disasters are costing taxpayers an estimated $128 per household per year (Federal Emergency Management Agency, 2019).

Currently, state law mandates that every jurisdiction must have an emergency manager, as well as an emergency operations plan. That said, the current workforce is aging out and the field is changing rapidly. There is a demand for educated, professional emergency and disaster managers who understand the science (both technical and social) and have the skills to enact better plans, engage stakeholders, and craft policy.

With predictions of more frequent, intense, and longer lasting storms, an increased threat of terrorism, including cyberterrorism, as well as the likelihood of new and emerging hazards, it is increasingly important that our public administrators are prepared to work on these challenging issues.

College of Liberal Arts

Please answer these three math questions and attach this page to all new program and program change proposals for undergraduate degree programs only.

As part of the broader work of the Mathematics Success Initiative, the Math Pathways Task Force has identified four gateway mathematics courses that are suitable general education mathematics course options. These course, College Algebra/Pre-Calculus, Introduction to Statistics, Functions and Modeling, and Quantitative Reasoning, are included on the Course Equivalency Project transfer matrix and provide rigorous mathematical content that is more relevant and appropriate for specific academic majors.

Please respond to the following questions:

1. Which mathematics course is required as part of the general education requirements? If the program allows for multiple gateway mathematics course options, provide a rationale for each.

All undergraduate majors in the College of Liberal Arts (CLA) are required to successfully complete 3 credit hours of math. The UCO University Core lists twelve possible math courses:

- MATH 1113 Math for General Education
- MATH 1513 College Algebra
- *MATH 1453 College Algebra for Business
- *MATH 1593 Plane Trigonometry
- *MATH 2013 Structures of Mathematics
- *MATH 2023 Foundations of Geom & Meas
- *MATH 2053 Business Calculus
- *MATH 2153 Bio-Calculus
- *MATH 2313 Calculus I
- *MATH 2305 Accelerated Calculus 1 and 2
- *STAT2103 Intro Statistics for Sciences
- *STAT2113 Statistical Methods

Note: The asterisk before a course indicates this math course is required in a specific major.
MATH 1113 Mathematics for General Education fulfills the CLA math requirement. In order to assist students to graduate in a timely manner, CLA accepts multiple math courses for students that have changed majors or for transfer students.

2. Describe how the mathematics course was selected and how it best meets the needs of the program’s students.
   MATH 1113 for General Education was selected in a collaborative decision between UCO advisors, CLA department chairs, and CLA deans. This decision was reconfirmed in Spring 2019.

Here is the course description for MATH 1113 Mathematics for General Education:

   This course surveys mathematical topics that are not intended as preparation or substitution for College Algebra. The goals of this course are to develop quantitative skills necessary for students to better understand their world and to place mathematics in a context that develops their appreciation of its history, sophistication, and utility as an ongoing human activity. A broad range of topics are selected from: logic and set theory, numeration and number systems, geometry, mathematical models, probability, statistics and inference, graph theory, personal financial applications, and fair apportionment of resources. Prerequisite(s): Three units of high school mathematics or the equivalent.

   This sentence from the course description best explains why this course is appropriate for CLA majors: “The goals of this course are to develop quantitative skills necessary for students to better understand their world and to place mathematics in a context that develops their appreciation of its history, sophistication, and utility as an ongoing human activity.”

3. How does this mathematics course articulate with your partner institutions?
   In reviewing the Course Equivalency Project 2019-2020 information on the OSRHE website on May 30, 2019 (https://www.okhighered.org/transfer-students/2019-20/mathematics.pdf), there are 36 Oklahoma institutions in the matrix that accept MATH 1113 for General Education.