

Curricular Action Workflow



Missouri State / Computer Services - MIS / Curricular Action Workflow / **CAW - Change Course Proposal Form**

Change Course Proposal Form

Submitted on 12/16/2021 by Toby Dogwiler (TDogwiler@MissouriState.edu).

***All fields require input**

This proposal applies to:

- An existing COURSE
- An existing REGULAR (e.g. permanent) SECTION of a variable content course.

Existing Course:

GLG412 Field Geology of the Midcontinent Region

Will this proposal need to be reviewed by CGEIP? No Yes

Will this proposal need to be reviewed by EPPC? No Yes

Is there a graduate/undergraduate parallel course to this one? No Yes

Current online catalog description:

GLG 412 Field Geology of the Midcontinent Region

Prerequisite: GLG 314; and either GLG 318 or GLG 333 or concurrent enrollment. Regional geology of the Midcontinent including the Ozark, Wichita, Arbuckle, Ouachita and Boston Mountains, and associated basins. Introduction to geologic field methods including the use of aerial photograph and geologic maps, cross-sections, and block diagrams in the interpretation of regional geologic history. 4(2-4) S

Revise the current online catalog description as needed: (Strikethrough all deletions and insert/bold new information. Any content that is copied and pasted will lose existing formatting; please review prior to submission.)

↶ ↷ **B** *I* ~~S~~

GLG 412 Field Geology of the Midcontinent Region

Prerequisite: GLG 314; ~~and either GLG 318 or GLG 333 or concurrent enrollment.~~ Regional geology of the Midcontinent including the Ozark, Wichita, Arbuckle, Ouachita and Boston Mountains, and associated basins. Introduction to geologic field methods including the use of aerial photograph and geologic maps, cross-sections, and block diagrams in the interpretation of regional geologic history. 4(2-4) S

POWERED BY TINYMCE

What is changing? Check all boxes that apply.

- | | | | |
|---|--|--------------------------------------|--|
| <input type="checkbox"/> Course Code | <input type="checkbox"/> Course Number (<u>Check Availability</u>) | <input type="checkbox"/> Title | <input checked="" type="checkbox"/> Prerequisite |
| <input type="checkbox"/> Credit Hours/Contact Hours | <input type="checkbox"/> Periodicity | <input type="checkbox"/> Description | |

Reason for proposed change

Upon review of the course goals and description the Geology faculty have unanimously agreed that the prerequisites for GLG 412 should simply be GLG 314.

Does this change affect course assessment (e.g. student learning evidence/outcomes)? No Yes

Explain.

How did you determine the need for this change? Check all boxes that apply or specify other.

- Routine or annual review/assessment of curriculum
- Faculty Input
- Student Input
- Accreditation/certification compliance
- Review of catalog information
- Other (be specific):

Check if this is a non-substantive change.

What is the date that this course change was approved by departmental or program faculty?
(MM/DD/YYYY)

12/16/2021

Current Status:

Routing to next reviewer

Proposal Progress:

12/16/2021 - Submitted by Department Head (Toby Dogwiler)

Review Comments:

No comments have been added to this proposal.

No review notes have been added.

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Last Updated: 12/21/2021 12:46 [Contact Information](#)



Curricular Action Workflow

Missouri State / Computer Services - MIS / Curricular Action Workflow / **CAW - Change Program Proposal Form**

Change Program Proposal Form

Submitted on 01/05/2022 by John Killion (Kurtkillion@missouristate.edu).

Department:

Type of Program

Choose One:

- Non-Comprehensive Undergraduate Major
- Comprehensive Undergraduate Major
- Graduate Program
- Option
- Minor
- Certificate

Does this program include any new courses?

- No
- Yes (A corresponding new course form must be submitted to create each new course.)

Title of Program Affected:

Current Catalog Description: *(Either cut and paste present description from online catalog **OR** provide as an attachment below)*

Attached [View Attachment](#)

Complete New Catalog Description: *(Either provide the revised description in the text area below [strikethrough all deletions and insert/bold new information - any content that is copied and pasted will lose existing formatting; please review prior to submission] OR provide as an attachment below)*

↶ ↷ **B** *I* S

Mathematics Education

Major(s)

Mathematics

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

Major requirements (44-46 hours):

1. MTH 261(5), 280(5), 302(3), 315(3), 333(3), 343(3), 460(3), 532(3), 545(3), 575(3).
2. One course from: MTH 503(3), 510(3), 536(3), 540(3), 567(3).
3. Courses required from related areas: CSC ~~121(3) or 125(4) or~~ 130(3); PHY 123(4) or 203(5). (PHY 123 or 203 may partially fulfill the Natural World general education requirement.)
4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 492(2) and 494(10).

Professional Education requirements (41 hours):

Note: A grade of "C" or better in each course is required for state certification.

1. Teaching methods and supervised teaching (21 hours): MTH 409(3), 410(3), 411(3), 492(2), 494(10).
2. Additional Professional Education Required Core and Competencies (20 hours).
3. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to ~~and continuance in~~ the Teacher Education Program; approval for supervised teaching; and recommendation for certification. ~~which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.~~
 - a. ~~at least a 2.75 GPA on all course work attempted at all colleges attended.~~
 - b. ~~at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.~~
 - c. ~~at least a 3.00 GPA in any additional certificate subject area.~~
 - d. ~~at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2; and no grade lower than a "C" in all professional education courses.~~

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Attached  [View Attachment](#)**What is changing? Check all boxes that apply:**

- Title change
- Adding option to an existing program (major)
- Deleting option from an existing program (major)
- Adding existing course(s) totaling credits
- Adding newly created course(s) totaling credits

(Note: A new course proposal must be submitted for each new course)

- Deleting courses from the program (major)

(Note: A Delete Course Proposal form must be submitted if deleting course from catalog.)

- Changing admission requirements
- Other

To reflect new language in the general B.S. ED teacher education section of the catalog, delete the GPA requirements 9either DESE had dropped them or they are already recorded in the teacher education section of the B.S. Ed. section of the catalog, and to delete CSC course options that are no longer relevant.

Reason for Proposed Change:

This section of the B. B. Ed. mathematics should have language consistent with the new changes in the general section of the catalog on teacher education, and the listing of GPS requirements are either no longer are required or are already listed in the link to the Teacher Education Program provided in this section. The CSC 121 and 125 are old options for our secondary math students and are not appropriate for the competencies needed in the secondary certification matrix. Our students sometime self advise, after they are not required to see an advisor for registration, and will take these alternative listed CSC courses, then usually have to drop and register for the appropriate CSC 130 course.

What is the date that this new program was approved by departmental or program faculty? (MM/DD/YYYY)

12/14/2021

Current Status:

Routing to next reviewer

Proposal Progress:

01/05/2022 - Submitted by Department Head (William Bray)

Review Comments:

No comments have been added to this proposal.

No review notes have been added.

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Mathematics Education

Major(s)

Mathematics

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

Major requirements (44-46 hours):

1. MTH
261(5), 280(5), 302(3), 315(3), 333(3), 343(3), 460(3), 532(3), 545(3), 575(3)
2. One course from: MTH 503(3), 510(3), 536(3), 540(3), 567(3).
3. Courses required from related areas: CSC 121(3) or 125(4) or 130(3); PHY 123(4) or 203(5). (PHY 123 or 203 may partially fulfill the Natural World general education requirement.)
4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 492(2) and 494(10).

Professional Education requirements (41 hours):

Note: A grade of "C" or better in each course is required for state certification.

1. Teaching methods and supervised teaching (21 hours): MTH 409(3), 410(3), 411(3), 492(2), 494(10).
2. Additional Professional Education Required Core and Competencies (20 hours).
3. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
 - a. at least a 2.75 GPA on all course work attempted at all colleges attended.
 - b. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
 - c. at least a 3.00 GPA in any additional certificate subject area.
 - d. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2; and no grade lower than a "C" in all professional education courses.

University level requirements:

1. [General Education Program and Requirements](#)
2. [General Baccalaureate Degree Requirements](#)

Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the [Graduate Catalog](#) for specific admission requirements.

Refer to [Undergraduate Students Taking Graduate Classes](#) for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the [Graduate Catalog](#) for specific admission requirements.

Refer to [Undergraduate Students Taking Graduate Classes](#) for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the [Graduate Catalog](#) for specific admission requirements.

Refer to [Undergraduate Students Taking Graduate Classes](#) for additional information and procedures for obtaining permission for Mixed Credit.

Curricular Action Workflow



Missouri State / Computer Services - MIS / Curricular Action Workflow / **CAW - New Program Proposal Form**

New Program Proposal Form

Submitted on 12/03/2021 by Kartik Ghosh (Kartikghosh@missouristate.edu).

This form is to be used for internal Missouri State approval of any proposal for a new program involving two or more courses, including any new graduate program, new undergraduate major (whether comprehensive or non-comprehensive), new option within an existing program (whether graduate or undergraduate), new minor, new certificate, or new certification program.

New graduate programs, new undergraduate majors, and certificate programs involving more than 18 credit hours require approval by the CBHE as well as approval through the Missouri State curricular process. CBHE applications for such programs are processed through the Office of Institutional Research. All proposals for new programs requiring CBHE approval should progress through the Missouri State curricular process accompanied by a draft of the required CBHE documentation.

Department:

Physics, Astronomy, & Mat Sci

Proposed Program Title:

Biomedical Physics Certificate

Choose One:

- | | |
|---|--|
| <input type="radio"/> Non-Comprehensive Undergraduate Major | <input type="radio"/> Option |
| <input type="radio"/> Comprehensive Undergraduate Major | <input type="radio"/> Minor |
| <input type="radio"/> Graduate Program | <input checked="" type="radio"/> Certificate |

(Note: If the option you need is not listed above contact curriculum@missouristate.edu)

Does this program include any new courses?

No Yes (A corresponding new course form must be submitted to create each new course.)

Select Degree Type (or Select Graduate Certificate or Undergraduate Certificate):

UGCT - Undergraduate Certificate

General Education Courses Required:

None

Total Hours: 0

General Education Courses Recommended:

None

Total Hours: 0

Requirements (including Admission) and Limitations for Specific Degree/Program:

Students mainly from science and engineering disciplines are encouraged to enroll this certificate program.

Total Hours: 0

Courses Required in Department:

PHY 124(4) or PHY 204(5), and PHY 373(3)

Total Hours: 7-8

Courses Required in Other Departments:

BIO 121(4) or BMS 110+BMS 111(4), and CHM 342(3) or BMS 599(3),

Total Hours: 7

Prerequisites for Required Courses:

PHY 123 for PHY124, PHY203 for PHY 204, ENG 110 and MTH 135 for BIO 121, ENG 110 and MTH 134 Or MTH 136 for BMS 110 and BMS 111, CHM 170 for CHM 342, PHY124 or PHY204 for PHY 373

Recommended Electives in Department:

None

Total Hours: 0

Recommended Electives in Other Departments:

None

Total Hours: 0

Limitations on Electives:

None

Please attach the following documents: (only one file may be attached for each requirement; accepts file types of PDF, DOC or DOCX)

1. Statement of Rationale: *Attached* [View Attachment](#)
2. Estimated costs for first five years: *Attached* [View Attachment](#)
3. Complete catalog description (including new courses and course changes pending approval): *Attached* [View Attachment](#)
4. Complete a new program application for the Missouri Department of Higher Education and Workforce Development (MDHEWD).

(NOTE: New Minors do not require this form. Certificates with 18 hours or less do not require this form. Originators may skip this step entirely for these types of new programs.)

- A. Use the templates to complete an MDHEWD application.

[New Undergraduate Major \(or certificate with more than 18 hours\)](#) | [New Graduate Program \(Master's Specialist, or certificate with more than 18 hours\)](#) For new Doctoral Program contact Associate Provost Julie Masterson for MDHEWD forms and process.

- B. Upload and attach the completed MDHEWD application. *Not Attached*

* Contact Associate Provost Julie Masterson for assistance completing MDHEWD forms.

** The Office of Institutional Research (IR) will submit these application forms to the state after the new program has been fully approved through the curricular process.

What is the date that this new program was approved by departmental or program faculty? (MM/DD/YYYY)

11/08/2021

Current Status:

Routing to next reviewer

Proposal Progress:

12/06/2021 - Submitted by Department Head (Robert Mayanovic)

Review Comments:

No comments have been added to this proposal.

No review notes have been added.

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Biomedical Physics Certificate program will have a unique combination of courses from Physics, Chemistry, Biology, and Biomedical science. The proposed courses will provide a combination of scientific and educational training in physics, biochemistry, and biological principles, radiation physics applications, human anatomy and radiology principle as well as radiation safety analysis and control methods. Students mainly from science disciplines can enroll in this certificate which will help in finding job in research and development for both basic and applied work related to medical devices and applications.

None

Biomedical Physics Certificate

This certificate distinguishes the holder as attaining a level of proficiency with biomedical physics concepts and operational methods in the field.

Program requirements (14-15 hours)

1. **PHY 124(4) or PHY 204(5), BIO 121(4) or BMS 110+BMS 111(4), CHM 342(3) or BMS 599(3), and PHY 373(3)**
2. All candidates must satisfy the [General University Certificate Requirements](#).