



# Curricular Action Workflow

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

## Change Program Proposal Form

**Submitted on 09/20/2021 by Georgianna Saunders ([Gigisaunders@missouristate.edu](mailto:Gigisaunders@missouristate.edu)).**

**Department:**

Biology

**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:**

Biology/Pre-Teacher Education-BS

**Current Catalog Description:**

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

## Biology (Comprehensive) (BS)

Bachelor of Science

Major requirements

Major core:

BIO 121(4), 122(4), 235(3), 236(1), 302(1), 492(0), 550(3).

PHY 123(4) or 203(5) and PHY 124(4) or 204(5).

MTH 137(3) or 138(5), or eligibility for MTH 261 on mathematics placement test.

BIO 312(3) and 313(2) or BIO 320(4) or 361(4) or 544(4); consult options below before selecting course.

CHM 116(4) and 117(1), or CHM 160(4) and 161(1); consult options below before selecting course.

CHM 201(3) and 202(2), or CHM 302(5) or 342(3) and 343(2); consult options below before selecting course.

Public Affairs Capstone Experience will be fulfilled by completion of BIO 302(1), 492(0) and two additional course:

from the following: BIO 300(1), 355(4), 367(3), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(3), 584(3), 589(3). Courses may also be used to satisfy option requirements.

University level requirements:

General Education Program and Requirements

General Baccalaureate Degree Requirements

Complete one of the following options:

Note: With approval of advisor, up to three hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.

## Pre-Teacher Education option (72-74 hours total for major)

This option is designed for students preparing to enter post-graduate studies to become a high school science teach. This program does not include courses in teacher education that are required by the state of Missouri for certification as a teacher. Certification requirements can be met through postbaccalaureate programs or master's program at Missouri State University.

BIO 312(3), 313(2), 361(4), 367(3), 368(1), 515(3).

Nine additional hours of upper division Biology courses (with approval of advisor).

Related chemistry courses: CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 302(5).

Related science courses: GLG 110(4); GRY 135(4); SCI 505(3).

Related mathematics requirement. One course from: MTH 137(3), or eligibility for MTH 261(5) on Mathematics Placement test.

*Not Attached*

**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>B</b>	<i>I</i>	☒

Biology (Comprehensive) (BS)  
 Bachelor of Science  
 Major requirements  
 Major core:  
 BIO 121(4), 122(4), 235(3), 236(1), 302(1), 492(0), 550(3).  
 PHY 123(4) or 203(5) and PHY 124(4) or 204(5).  
 MTH 137(3) or 138(5), or eligibility for MTH 261 on mathematics placement test.  
 BIO 312(3) and 313(2) or BIO 320(4) or 361(4) or 544(4); consult options below before selecting course.  
 CHM 116(4) and 117(1), or CHM 160(4) and 161(1); consult options below before selecting course.  
 CHM 201(3) and 202(2), or CHM 302(5) or 342(3) and 343(2); consult options below before selecting course.  
 Public Affairs Capstone Experience will be fulfilled by completion of BIO 302(1), 492(0) and two additional courses from the following: BIO 300(1), 355(4), 367(3), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(3), 584(3), 589(3).  
 Courses may also be used to satisfy option requirements.  
 University level requirements:  
 General Education Program and Requirements  
 General Baccalaureate Degree Requirements  
 Complete one of the following options:  
 Note: With approval of advisor, up to three hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.  
 Pre-Teacher Education option (72-74 hours total for major)  
 This option is designed for students preparing to enter post-graduate studies to become a high school science teach. This program does not include courses in teacher education that are required by the state of Missouri for certification as a teacher. Certification requirements can be met through postbaccalaureate programs or master's program at Missouri State University.  
 BIO 312(3), 313(2), 361(4), 367(3), 368(1), 515(3).  
 Nine additional hours of upper division Biology courses (~~with approval of advisor~~).  
 Related chemistry courses: CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 302(5).  
 Related science courses: GLG 110(4); GRY 135(4); SCI 505(3).  
 Related mathematics requirement. One course from: MTH 137(3), or eligibility for MTH 261(5) on Mathematics Placement test.

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Not Attached

Total Hours:

**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

Removing the requirement that upper division Biology elective courses need to be approved by the advisor.

**Reason for Proposed Change:**

The upper division Biology elective courses do not need to be approved by the advisor.

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

09/20/2021

**Current Status:**

College Council Review

**Proposal Progress:**

09/27/2021 - Submitted by Department Head (S Mathis)

**Review Comments:**

No comments have been added to this proposal.

No review notes have been added.

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# Curricular Action Workflow

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

## Change Course Proposal Form

**Submitted on 09/14/2021 by S Mathis ([Aliciamathis@missouristate.edu](mailto:Aliciamathis@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:

BIO121 General Biology I

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:

## BIO 121 General Biology I

Prerequisite: eligibility for both ENG 110 and MTH 135. General Education Course (Focus on Life Sciences). MOTR number BIOL 150L - Biology with Lab. First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution. Cannot be taken Pass/Not Pass. A grade of C or better is required in this course in order to take BIO 122. 4(3-3) F,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

BIO 121 General Biology I

Prerequisite: eligibility for ~~both ENG 110 and MTH 135~~. General Education Course (Focus on Life Sciences). MOTR number BIOL 150L - Biology with Lab. First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution. Cannot be taken Pass/Not Pass. A grade of C or better is required in this course in order to take BIO 122. 4(3-3) F,S

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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

The math-eligibility pre-requisite is sometimes a barrier to student's being able to enroll in BIO 121. As BIO 121 is a pre-requisite for other Biology classes, failure to complete BIO 121 during the first semester can put the student behind in their Biology degree program. The course instructors and the faculty at large agreed that the math-eligibility pre-requisite is not necessary for successful completion of BIO 121, so we are removing this barrier.

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)

08/19/2021

**Current Status:**

College Council Review

**Proposal Progress:**

09/20/2021 - Submitted by Department Head (S Mathis)

**Review Comments:**

No comments have been added to this proposal.

No review notes have been added.

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# Curricular Action Workflow

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## Change Course Proposal Form

**Submitted on 09/20/2021 by La Toya Kissoon-Charles ([LKissoon@MissouriState.edu](mailto:LKissoon@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:

BIO530 Phycology

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

Enter parallel course number

BIO629 Phycology

How do these classes differ?



In addition to the learning goals and assessments in BIO 530, students enrolled in BIO 629 will be required to complete a literature review to be included in a proposal recommending native aquatic plants for a constructed floating wetland that is intended to reduce nutrient levels and algae growth in an urban pond.

Current online catalog description:

BIO 530 Phycology

Prerequisite: BIO 367 and BIO 368. The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 629. Cannot receive credit for both BIO 629 and BIO 530. 3(2-2) 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* 🔗

**BIO 530 Aquatic Botany**

Prerequisite: BIO 122. The structure, function, ecological significance, and diversity of algae and plants that occur in permanently or seasonally wet environments. Emphasis will be placed on their role in aquatic systems, strategies for coping in their watery environments, physiological characteristics, and control methods. May be taught concurrently with BIO 629. Cannot receive credit for both BIO 629 and BIO 530. 3(2-2) S

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What is changing? Check all boxes that apply.

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

Reason for proposed change

The proposed change allows the biology department to provide students with an algae and aquatic plants course. I have been teaching an aquatic plants course as a variable content course (BIO 597/697 Introduction to Wetland Plants) with the pre-requisite as BIO 122. This pre-requisite seemed to be sufficient and this is the same prerequisite for some other plant biology courses offered (BIO 334, 339, 534).

Student feedback from the Introduction to Wetland Plants course was positive. Several students indicated that a wetland/aquatic plants course should be offered regularly and this course should include some phycology.

The proposed change will give the course more visibility and allow the department to offer another plant biology option for our biology majors, especially our Wildlife and Fisheries students on a regular basis.

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

Explain.

In addition to algae, students will also learn about aquatic plants. There will be focus on students applying what they learn about the structure and function of these organisms to identify control methods for their growth and to also identify how they can be used to improve the water quality of an urban pond.

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)

09/17/2021

**Current Status:**

College Council Review

**Proposal Progress:**

09/20/2021 - Submitted by Department Head (S Mathis)

**Review Comments:**

09/20/2021 - Department Head Review - S Mathis - Substantively, this change simply expands the course to include aquatic plants in addition to algae.

No review notes have been added.

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# Curricular Action Workflow

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## Change Course Proposal Form

**Submitted on 09/20/2021 by La Toya Kissoon-Charles ([LKissoon@MissouriState.edu](mailto:LKissoon@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:

BIO629 Phycology

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

Enter parallel course number

BIO530 Phycology

How do these classes differ?

Students enrolled in BIO 629 will be required to complete a literature review to be included in a proposal recommending native aquatic plants for a constructed floating wetland that is intended to reduce nutrient levels and algae growth in an urban pond. Students enrolled in BIO 530 are not required to submit this written proposal.

Current online catalog description:

BIO 629 Phycology

Recommended Prerequisite: ecology course. The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 530. Cannot receive credit for both BIO 530 and BIO 629. 3(2-2) 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~~

BIO 629 Aquatic Botany

Recommended Prerequisite: introductory biology sequence. The structure, function, ecological significance, and diversity of algae and plants that occur in permanently or seasonally wet environments. Emphasis will be placed on their role in aquatic systems, strategies for coping in their watery environments, physiological characteristics, and control methods. May be taught concurrently with BIO 530. Cannot receive credit for both BIO 530 and BIO 629. 3(2-2) S

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What is changing? Check all boxes that apply.

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

Reason for proposed change

The proposed change allows the biology department to provide students with an algae and aquatic plants course. I have been teaching an aquatic plants course as a variable content course (BIO 597/697 Introduction to Wetland Plants) with the pre-requisite as BIO 122. This pre-requisite seemed to be sufficient and this is the same prerequisite for some other plant biology courses offered (BIO 334, 339, 534).

Student feedback from the Introduction to Wetland Plants course was positive. Several students indicated that a wetland/aquatic plants course should be offered regularly and this course should include some phycology.

The proposed change will give the course more visibility and allow the department to offer another plant biology option for our biology majors, especially our Wildlife and Fisheries students on a regular basis.

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

Explain.

In addition to algae, students will also learn about aquatic plants. There will be focus on students applying what they learn about the structure and function of these organisms to identify control methods for their growth and to also identify how they can be used to improve the water quality of an urban pond.

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  Student Input

Accreditation/certification compliance  Review of catalog information

Other (be specific):

Empty text box for specifying other reasons.

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)

09/17/2021

**Current Status:**

Grad Council Review

**Proposal Progress:**

09/20/2021 - Submitted by Department Head (S Mathis)

09/21/2021 - Reviewed by Dean (Tamera Jahnke)

**Review Comments:**

09/20/2021 - Department Head Review - S Mathis - Substantively, this change simply expands the course topics to include plants in addition to algae.

No review notes have been added.

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# Curricular Action Workflow



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## Change Program Proposal Form

**Submitted on 09/08/2021 by Krista Evans ([KristaEvans@MissouriState.edu](mailto:KristaEvans@MissouriState.edu)).**

**Department:**

Geography, Geology, & Planning

**Type of Program****Choose One:**

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

Community and Regional Planning-BS

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



Major requirements (42-43 hours)  
 One course from: PLN 100(3), GRY 100(3), GRY 108(3), GRY 142(4), GLG 110(4), GLG 171(3).  
 PLN 300(3), 367(3), 371(3), 372(3); PLN 570(3) or LAW 537(3); PLN 571(3), 572(4), 576(4), 599(3); GEO 363(4);  
 SOC 302(3).  
 Three additional hours from GRY 322(3) or 325(3) or PLN courses numbered above 300.  
 Cannot count both GRY 322(3) and PLN 100(3) toward the major requirements.  
 Public Affairs Capstone Experience will be fulfilled by completion of PLN 572(4).

Not Attached

**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)*

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Major requirements (~~42-43~~ **38-39** hours)  
 One course from: PLN 100(3), GRY 100(3), GRY 108(3), GRY 142(4), GLG 110(4), GLG 171(3).  
 PLN 300(3), 367(3), 371(3), 372(3); PLN 570(3) or LAW 537(3); PLN 571(3), 572(4), ~~576(4)~~, 599(3); GEO  
 363(4); SOC 302(3).  
 Three additional hours from GRY 322(3) or 325(3) or PLN courses numbered above 300.  
 Cannot count both GRY 322(3) and PLN 100(3) toward the major requirements.  
 Public Affairs Capstone Experience will be fulfilled by completion of PLN 572(4).

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Not Attached

Total Hours: 38-39

**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

Deleting a former requirement (but keeping the class on the books) and reducing the necessary credits for the program by 4 credit hours.

**Reason for Proposed Change:**

In order to streamline our Community & Regional Program we have decided to eliminate one of the two formerly required studio/practicum courses. The program will now only require one 4-credit studio/practicum, and will result in less credit requirements for the major, making our program more aligned with credit requirements for other majors at MSU.

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

09/08/2021

**Current Status:**

College Council Review

**Proposal Progress:**

09/20/2021 - Submitted by Department Head (Toby Dogwiler)

**Review Comments:**

09/20/2021 - Department Head Review - Toby Dogwiler - Approved by Planning program faculty on 9/8/21.  
Approved by full GGP faculty on 9/17/21.

**Proposal Submission Review Notes**

**Toby Dogwiler** Monday, September 20, 2021 9:58 AM

Approved by the PLN program faculty on 9/8/21. Approved by full GGP faculty on 9/17/21.

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# Curricular Action Workflow



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## Change Program Proposal Form

**Submitted on 09/20/2021 by Krista Evans ([KristaEvans@MissouriState.edu](mailto:KristaEvans@MissouriState.edu)).**

**Department:**

Geography, Geology, & Planning

**Type of Program****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 |

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:**

Planning and Development-Graduate Certificate

**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~~

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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 Propoal form must be submitted if deleting course from catalog.)**

- Changing admission requirements
- Other

**Reason for Proposed Change:**

PLN 576 will be eliminated from the Planning program at this time due to faculty retirement.

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

09/20/2021

**Current Status:**

Grad Council Review

**Proposal Progress:**

09/20/2021 - Submitted by Department Head (Toby Dogwiler)

09/21/2021 - Reviewed by Dean (Tamera Jahnke)

**Review Comments:**

09/20/2021 - Department Head Review - Toby Dogwiler - Approved by full GGP Faculty 9/17/2021.

No review notes have been added.

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**Required Courses (13 hours)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<u>PLN 671</u>	Land Use Planning	3 hrs
<u>PLN 676</u> OR <u>PLN 672</u>	Site Planning and Design Studio OR Community Planning Practicum	4 hrs
Six hours from PLN courses above 600 or 700 level.		6 hrs

## Required Courses (13 hours)

Course Code	Course Title	Credit Hours
<u>PLN 671</u>	Land Use Planning	3 hrs
<u>PLN 676</u> OR <u>PLN 672</u>	Site Planning and Design Studio OR Community Planning Practicum	4 hrs
Six hours from PLN courses above 600 or 700 level.		6 hrs

# Curricular Action Workflow



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

## Delete Course Proposal Form

**Submitted on 09/20/2021 by Georgianna Saunders ([Gigisaunders@missouristate.edu](mailto:Gigisaunders@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:

SCI214 Introduction to Science Teaching in the 21st Century

Is this course a requirement or course choice within any current program, including those outside your department?

- No
- Yes (A corresponding program change course form must be submitted to remove the deleted course from the program requirements. You should also notify other departments using this course of your plans to delete the course.)

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

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

Online catalog description.

Prerequisite: completion of eight hours of science courses. The course is an introduction to science teaching and to the field of science. Topics in the course include the nature of science, scientific inquiry and research in the sciences. The students will



explore how scientists conduct research and how teachers and students conduct research in classrooms. Public Affairs Capstone Experience course. 1(0-2) F

Reason for proposed Deletion

The BS in Secondary Education programs in Biology, Chemistry, GGP, and PAMS Departments are being deleted. This course is not used for any other programs.

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):

Empty text box for specifying other reasons.

What is the date that this course change was approved by departmental or program faculty?

09/20/2021

**Current Status:**

College Council Review

**Proposal Progress:**

09/27/2021 - Submitted by Department Head - Processed by Tamera Jahnke

**Review Comments:**

No comments have been added to this proposal.

No review notes have been added.

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# Curricular Action Workflow



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

## Delete Course Proposal Form

**Submitted on 09/20/2021 by Georgianna Saunders ([Gigisaunders@missouristate.edu](mailto:Gigisaunders@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:

SCI314 Techniques and Technology in Science Laboratory Teaching

Is this course a requirement or course choice within any current program, including those outside your department?

- No
- Yes (A corresponding program change course form must be submitted to remove the deleted course from the program requirements. You should also notify other departments using this course of your plans to delete the course.)

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

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

Online catalog description.

Prerequisite: SCI 214 and SEC 302; and one laboratory courses in each science discipline: BIO, CHM, PHY, GLG or GRY. Instruction will focus on safe and effective uses of laboratory techniques and technology to teach science. The course will emphasize the potential of the science laboratory as a vehicle to promote student understanding of science and scientific inquiry. Pre-service

teachers will have opportunities to familiarize themselves with laboratory equipment and techniques they will use to teach science in middle or high schools. Field trips to local schools will be required. Public Affairs Capstone Experience course. 3(2-2) S

Reason for proposed Deletion

The BS in Secondary Education programs in Biology, Chemistry, GGP, and PAMS Departments are being deleted. This course is not used for any other programs.

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

- Routine or annual review/assessment of curriculum
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This proposal applies to:

- An existing COURSE
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Existing Course:

SCI414 Teaching of Secondary School Natural Science

Is this course a requirement or course choice within any current program, including those outside your department?

- No
- Yes (A corresponding program change course form must be submitted to remove the deleted course from the program requirements. You should also notify other departments using this course of your plans to delete the course.)

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

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

Online catalog description.

Prerequisite: admission to the Teacher Education Program; SCI 214 and SCI 314; completion of 20 hours in the primary science field; minimum of one required course in BIO, CHM, PHY, GLG or GRY; EDC 350 or concurrent enrollment; RDG 474 is recommended. Integration of current science learning theories and standards into practical classroom experiences for students of

diverse backgrounds and abilities. Students will learn to design and teach science through various inquiry pedagogical approaches. Students will learn to assess content knowledge achievement through formal and informal techniques. Practical classroom management will be emphasized. A 15 hour practicum is required. Field trips are required. Portfolio checkpoint 2 is partially addressed through assignments in this course. Credited only on BSEd. A grade of "C" or better is required in this course in order to take SCI 493 and SCI 494. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course. 3(2-2) F

Reason for proposed Deletion

The BS in Secondary Education programs in Biology, Chemistry, GGP, and PAMS Departments are being deleted. This course is not used for any other programs.

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

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Existing Course:

SCI493 Supervised Teaching (Secondary Science)

Is this course a requirement or course choice within any current program, including those outside your department?

- No
- Yes (A corresponding program change course form must be submitted to remove the deleted course from the program requirements. You should also notify other departments using this course of your plans to delete the course.)

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

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

Online catalog description.

Prerequisite: SCI 414; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in SCI 494. Student observes, then teaches science under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to

the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course. 6 F,S

Reason for proposed Deletion

The BS in Secondary Education programs in Biology, Chemistry, GGP, and PAMS Departments are being deleted. This course is not used for any other programs.

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Existing Course:

SCI494 Supervised Teaching (Secondary Science)

Is this course a requirement or course choice within any current program, including those outside your department?

- No
- Yes (A corresponding program change course form must be submitted to remove the deleted course from the program requirements. You should also notify other departments using this course of your plans to delete the course.)

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

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

Online catalog description.

Prerequisite: concurrent enrollment in SCI 493. Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all

required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course. 6 F,S

Reason for proposed Deletion

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