

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 055 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate
Date: Thursday, July 7, 2022 4:05:23 PM
Attachments: [2022.07.07.16.01.51.71.FormData.html](#)
[2022.07.07.16.01.49.62.currentCatalogFile Grad Cert in Bioinformatics revision supporti.docx](#)

Susan Schroeder has submitted a request for a major curricular change. His/her email address is: schroedersa@wsu.edu.

Requested change: Revise or Drop Graduate Certificate

Title:

Requested Effective Date: Fall 2023

Revise certificate requirement: Yes

Dean: Swindell, Samantha - Assoc Dean - CAS,

Chair: Carter, Patrick – Director – Biological Sciences ,

_____	_____	_____
Catalog Subcommittee Approval Date	AAC, PHSC, or GSC Approval Date	Faculty Senate Approval Date

From: [Carter, Patrick Andrew](#)
To: [curriculum.submit](#)
Cc: [Swindell, Samantha](#)
Subject: RE: 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate
Date: Monday, July 18, 2022 3:23:19 PM

1. I approve this proposal in its current form.

Pat Carter

From: curriculum.submit@wsu.edu <curriculum.submit@wsu.edu>
Sent: Thursday, July 7, 2022 4:02 PM
To: Carter, Patrick Andrew <pacarter@wsu.edu>
Cc: Swindell, Samantha <:sswindell@wsu.edu>
Subject: 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate

Carter, Patrick – Director – Biological Sciences ,

Swindell, Samantha - Assoc Dean - CAS,

Susan Schroeder has submitted a request for a major curricular change.

Requested change: Revise or Drop Graduate Certificate

Title:

Requested Effective Date: Fall 2023

Revise certificate requirement: Yes

Both Chair and Dean approval is required to complete the submission process. Please indicate that you have reviewed the proposal by highlighting one of the statements below and **reply all** to this email. (curriculum.submit@wsu.edu.) [Details of major change requested can be found in the attached supplemental documentation]

1. I approve this proposal in its current form.
2. I approve this proposal with revisions. Revisions are attached.
3. I do not approve this proposal. Please return to submitter.

If you do not respond within one week, you will be sent a reminder email. If no response is received within three weeks of the submission date, the proposal will be returned to the submitter.

From: [Swindell, Samantha](#)
To: [curriculum.submit](#)
Subject: RE: 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate
Date: Thursday, July 21, 2022 3:02:58 PM
Attachments: [image001.png](#)

Blaine,

Yes, I approve this proposal. Thank you for the prompt and apologies for the delay.

Best,

Sam



Samantha Swindell, PhD (she/her/hers)
Associate Dean, Undergraduate Studies
Professor (career track)
Department of Psychology
College of Arts & Sciences
Washington State University
Office: 509-335-3715
Email: sswindell@wsu.edu

Washington State University, Pullman is located on the ceded lands of the Nimiipuu (Nez Perce) Tribe and the traditional homeland of the Palus Band of Indians. We acknowledge their presence here since time immemorial and recognize their continuing connection to the land, to the water, and to their ancestors.

From: curriculum.submit <curriculum.submit@wsu.edu>
Sent: Thursday, July 21, 2022 2:56 PM
To: Swindell, Samantha <sswindell@wsu.edu>
Subject: FW: 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate

Hi Sam,

Please let us know if you approve this proposed change to the bioinformatics certificate. Patrick returned his approval a couple days ago.

Thanks,
Blaine

From: noreply@wsu.edu <noreply@wsu.edu>
Sent: Thursday, July 7, 2022 4:02 PM
To: curriculum.submit <curriculum.submit@wsu.edu>
Subject: 712263 Biological Sciences Requirements Revise - Revise or Drop Graduate Certificate

Graduate Certificate in Bioinformatics

1. Credit Hours: 12 credit hours total

NOTE: Candidates for the certificate must receive a grade of B or higher in each course. Additionally, a candidate must take at least two courses for the certificate outside of their home department.

2. Required Course

- MBIOS 578

3. Electives: 9 credits minimum

- CPT S 570
- CPT S 571
- CPT S 572
- CROP SCI 545
- CROP SCI 555
- BIOLOGY 519
- BIOLOGY 521
- BIOLOGY 534
- BIOLOGY 566 (or MATH 563)
- BIOLOGY 576
- HORT 550
- MBIOS 503
- STAT 523
- STAT 530
- STAT 536 (or MATH 536)
- STAT 565

4. GPA requirement: Cumulative GPA may not fall below a 3.0

REVISIONS TO Graduate Certificate in Bioinformatics.

1. Credit Hours: 12 credit hours total

NOTE: Candidates for the certificate must receive a grade of B or higher in each course. Additionally, a candidate must take at least two courses for the certificate outside of their home department.

2. Required Course

- MBIOS 578

3. Electives: 9 credits minimum

- **AFS 505**
- CPT S 570
- CPT S 571
- CPT S 572
- CROP SCI 545
- CROP SCI 555
- BIOLOGY 519
- BIOLOGY 521
- BIOLOGY 534
- BIOLOGY 566 (or MATH 563)
- BIOLOGY 576
- HORT 550
- **HORT 522**
- MBIOS 503
- STAT 523

- STAT 530
- STAT 536 (or MATH 536)
- STAT 565

4. GPA requirement: Cumulative GPA may not fall below a 3.0

Rationale: The two new additions under the “Elective” section are new course offerings that are relevant to the bioinformatics certificate.

Impact: No noticeable impact to departments, colleges or campuses.