

# ACADEMIC PROGRAMS ROUTING FORM

New Program \_\_\_\_\_

Revised Program X \_\_\_\_\_

*Program Announcement/Letter of Intent must be previously submitted*

Complete instructions for the use of this form are provided on the reverse side. If you have any questions, please contact the Office of Academic Affairs at extension 2232.

*PART I: To be completed by Department. After completing Part I, forward form to the appropriate Dean. Note - if academic program is in the School of Education, form is sent to the Faculty Council Chair for endorsement before going to the Dean's office.*

*New programs must submit a writing plan, oral competency plan, critical thinking infusion and assessment plan, and a computer and information literacy infusion plan to the General Education Council for review and approval.*

*Revised programs need to indicate if the proposed revision will have an effect on one or more of the plans listed above:*

*Yes \_\_\_\_\_ No X. (Not applicable to minors) If so, submit the revised plans to the General Education Council for review and approval.*

<u>CHEMISTRY B.S. Environmental Track</u>	<u>062</u>	<u>02/21/2022</u>
<i>New/Revised Program Name</i>	<i>Major/Minor Code (revised programs)</i>	<i>Date</i>
<u>Fehmi Damkaci</u>	<u>Fehmi Damkaci</u>	
<i>Department/Program Chair</i>	<i>Contact Person</i>	
<u>Fehmi Damkaci</u>	<u>02/21/2022</u>	
<i>Curriculum/Program Representative</i>	<i>Date</i>	

**Required for School of Education/School of Business programs ONLY**

Endorse concept: YES NO \_\_\_\_\_  
*Faculty Council/ Curriculum Chair's Signature* *Date*

*Part II: To be completed by the appropriate Dean (see reverse). After completing, forward form to the Provost.*

Endorse YES NO \_\_\_\_\_  
*Dean's Signature* *Date*

*Part III: To be completed by Provost (see reverse). After completing, forward form along with all attachments back to the Department.*

Endorse YES NO \_\_\_\_\_  
*Provost's Signature* *Date*

*Part IV: See reverse for instructions. After completing Part IV, forward form to the Faculty Assembly Chair.*

## UNDERGRADUATE PROGRAMS

Endorse YES NO \_\_\_\_\_  
*Academic Policies Council Chair's Signature* *Date*

Endorse YES NO \_\_\_\_\_  
*Priorities and Planning Council Chair's Signature* *Date*

Endorse YES NO N/A \_\_\_\_\_  
*Gen Ed Council Chair's Signature* *Date*

## GRADUATE PROGRAMS

Endorse YES NO \_\_\_\_\_  
*Dean of Graduate Studies and Research's Signature* *Date*

Endorse: YES NO \_\_\_\_\_  
*Graduate Council Chair's Signature* *Date*

Endorse: YES NO \_\_\_\_\_  
*Priorities and Planning Council Chair's Signature* *Date*

*Part V: To be completed by Faculty Assembly Chair.*

Approve: YES NO \_\_\_\_\_  
*Faculty Assembly Chair's Signature* *Date*

Action taken: \_\_\_\_\_



Department of Chemistry  
Shineman Center, Oswego, NY 13126  
fehmi.damkaci@oswego.edu | 315 – 312 2698

March 3, 2022

To: CLAS Dean, Kristin Croyle  
Provost, Scott Furlong,  
Academic Planning Council  
Priorities and Planning Council  
Faculty Assembly

From: Fehmi Damkaci, Chair, Department of Chemistry

Re: Converting an existing track (Chemistry BS – Environmental Chemistry Track) to a separate degree (Environmental Chemistry BS)

We are proposing to split the existing “Chemistry B.S. Track II – Environmental Chemistry” into a separate B.S. major titled “Environmental Chemistry” as described in attached documents.

The existing tracks within the Chemistry B.S. degree are:

- 1- Chemistry Track
- 2- Environmental Chemistry Track

**Environmental Chemistry B.S. Track will be removed from the existing Chemistry B.S. and converted to a separate “Environmental Chemistry B.S.” degree without any curricular changes.**

There will be no changes in the admissions or assessment methods after the proposed split of the tracks. No additional resources or funding will be needed to support the proposed change.

The rationale behind the proposed change is: 1- Both programs lead to the same degree with significantly different focuses, serving different student populations and career projectiles. As a separate degree, it will be more visible for students who are interested in environmental science related careers. 2- Since the need for environmental scientist and specialist is expected to increase much faster than average occupational increase (8% or higher increase) for the next ten years (according to onetonline.org), separating the track as a separate degree will serve better for the students’ future careers as well as allows us to make modifications on the degree as needed as the occupational skills change in the future.

Environmental Chemistry B.S. degree will continue to be accredited by American Chemical Society due to no curricular change.

Proposed change received approvals via email from the Math, Physics Geology, and Biology departments, which have courses offered within the program.

Thank you for your consideration.



**Section 2. Multi-Award and Multi-Institution Programs**

Not a multi-award or multi-institution program. *Proceed to Section 3.*

**Check one.**

- This proposal is for a **multi-award program** that leads to two separate awards (e.g., A.S./B.A., B.S./M.S.). **Complete Section 2.1, below.** *NOTE: Such programs generally involve special admissions for students who have the capacity to complete all awards, curricular integration between the component programs, and shortened time to degree compared to taking the programs separately.*
- This proposal is for a **multi-institution program** (also called a “jointly registered program”) to be offered jointly by two or more institutions. **Complete Section 2.2 below.** *NOTE: Such programs involve a formal agreement between two or more institutions to offer courses leading to an award.*
- This proposal is for a **multi-institution, multi-award program** to be offered jointly by more two or more institutions and lead to two separate awards. **Provide a single, consolidated response that reflects all the items in Sections 2.1 and 2.2, below.**

**Section 2.1. Multi-Award Programs**

a) Check all SED-defined [formats, mode and other program features](#) that apply to the **entire program**.

**Format(s):**  Day  Evening  Weekend  Evening/Weekend  Not Full-Time

**Modes:**  Standard  Independent Study  External  Accelerated  Distance Education

*NOTE: If the program is designed to enable students to complete 50% or more of the course requirements through distance education, check Distance Education, see Section 10, and **append a Distance Education Format Proposal.***

**Other:**  Bilingual  Language Other Than English  Upper Division  Cooperative  4.5 year  5 year

b) List registered programs at the institution identified in Section 1 whose courses will contribute to this program. Add rows as needed.

<b>Programs</b>	<b>Program Title</b>	<b>Award</b>	<b><a href="#">SED Program Code</a></b>
<i>Program 1</i>			
<i>Program 2</i>			

- c) List all the courses required for each existing program, and indicate which ones will be counted toward both awards.
- d) What is the length of time students will have to complete the proposed program?
- e) What are the admissions requirements for the new program, and how are they related to student success?
- f) Complete a **SUNY Program Schedule** to show how students will be able to schedule all required courses to complete the multi-award program.

## Section 2.2. Multi-Institution Programs

All partner institutions are listed in Section 1, with CEO information and a signature for each partner.

- a) Check all SED-defined [formats, mode and other program features](#) that apply to the **entire program**.

**Format(s):**  Day  Evening  Weekend  Evening/Weekend  Not Full-Time

**Modes:**  Standard  Independent Study  External  Accelerated  Distance Education

***NOTE:** If the program is designed to enable students to complete 50% or more of the course requirements through distance education, check Distance Education, see Section 10, and **append a Distance Education Format Proposal.***

**Other:**  Bilingual  Language Other Than English  Upper Division  Cooperative  4.5 year  5 year

- b) List all the courses required for the program, and indicate which ones will be completed at each institution.
- c) Describe the administrative provisions for coordinating admissions, advisement and financial aid for the program between the two institutions.
- d) Describe the program's policies governing residency requirements and tuition charges.
- e) Explain any other special arrangements or requirements arising from the multi-institution nature of the program.
- f) Complete a ***SUNY Program Schedule*** to show how students will be able to schedule all required courses to finish the program.

### Section 3. New Program from Option/ Concentration/Track in an Existing Program

This section should be used to propose the creation of a new program from an option/concentration/track<sup>3</sup> in existing, registered programs, which is sometimes called “disaggregation.”

*The new program must be based entirely on existing courses from an option/concentration/track in a registered program.*

A new program proposal (SUNY Form 2A or 2B) must be submitted – instead of this form – when:

- the new program will be offered at a different location than the campuses identified in Section 1, or
- a Master Plan Amendment is required for the new program, or
- one or more new courses will be added to the program at the same time, or
- there are changes to the program admissions, or
- there will be changes to the evaluation elements

Note: The institution can use this form (3B) to register a new program from an existing option/concentration/track, and make changes to it after it is registered by submitting Form 3A. As always, institutions can only advertise and offer a program *as it is currently registered*.

#### Section 3.1. Revision of Existing Program

Registered Program to be Changed	
Program Title:	Chemistry
<a href="#">SED Program Code</a>	12459
<a href="#">Award(s)</a> (e.g., A.A., B.S.):	B.S.
Number of Required Credits:	Minimum [    ] If tracks or options, largest minimum [ <b>80</b> ]
<a href="#">HEGIS Code</a> :	1905.00
<a href="#">CIP 2010 Code</a> :	40.0501
Effective Date of Change:	
Effective Date of Completion <sup>4</sup>	

- a) List all registered options/concentrations/tracks and indicate which, if any, will be removed.

The existing tracks within the Chemistry B.S. degree are:

- 1- Chemistry Track
- 2- Environmental Chemistry Track

Environmental Chemistry Track will be removed from the existing Chemistry B.S. and converted to a separate “Environmental Chemistry B.S.” degree without any programmatic changes.

<sup>3</sup> SUNY System uses these terms interchangeably.

<sup>4</sup> If the current program(s) must remain in its current form until enrolled students have graduated, the anticipated effective date by which continuing students will have completed the current version of the program(s).

### Section 3.2. Proposed New Program

- a) Describe the new program and the rationale for converting the existing coursework to a separately registered program.

We propose to convert the existing “Chemistry B.S. Track II- Environmental Chemistry” into a separate B.S. degree titled as “Environmental Chemistry”. Both programs lead to the same degree with significantly different focuses, serving different student populations and career projectiles. Since the need for environmental scientist and specialist is expected to increase much faster than average occupational increase (8% or higher increase) for the next ten years (according to onetonline.org), separating the track as a separate degree will serve better for the students’ future careers as well as allows us to make modifications on the degree as needed as the occupational skills change in the future. As a separate degree, it will be more visible for students who are interested in environmental science related careers.

- b) Affirm that the admissions standards and evaluation methods are unchanged from the currently registered program.

There will be NO CHANGES.

- c) Explain the expected impact of the new program on existing programs (enrollment, facilities, budget, faculty assignments, etc.)

There will be NO CHANGES in curriculum and resources needed to run the new program. We do not anticipate a significant change in the enrollment to impact existing programs. As a new separate degree, the existing track will function as it is with no change.

- d) Describe adjustments the institution will make to its current resource allocations to support the new program.

NO CHANGES are needed.

- e) Complete a SUNY *Program Schedule*. If the new program has separate options/concentrations/tracks, complete a *Program Schedule* for each one.

NO CHANGE is planned from the existing schedule.

- f) Complete a SUNY *Faculty Table* for all full-time, part-time, and faculty to be hire

**Physics Department Approval:**

On Mon, Feb 21, 2022 at 3:25 PM Mohammad Islam <mohammad.islam@oswego.edu> wrote:  
Hi Fehmi,

I approve this. Thank you.

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Mohammad A Islam, Ph.D.  
Department Chair and Associate Professor, Department of Physics

**Biology Department Approval:**

On Tue, Feb 22, 2022 at 9:17 AM Jim MacKenzie <james.mackenzie@oswego.edu> wrote:  
Biological Sciences is OK with the change.

=====  
James A. MacKenzie, Ph.D.  
Professor and Chair of Biological Sciences  
State University of New York at Oswego  
[www.oswego.edu/biology/mackenzie](http://www.oswego.edu/biology/mackenzie)  
=====

**AGS Department Approval:**

On Thu, Mar 3, 2022 at 7:23 AM Scott Steiger <scott.steiger@oswego.edu> wrote:  
Hi Fehmi,

I got no response from my department members so I guess put DAGS down as approving.

Cheers,  
Scott

\*\*\*\*\*  
Scott Steiger, Ph.D.  
Professor of Meteorology, SUNY Oswego  
Chair, Department of Atmospheric and Geological Sciences at Oswego  
(315) 312-2802 (phone)

**Math Department Approval:**

On Thu, Mar 3, 2022 at 7:49 AM Magdalena Mosbo <magdalena.mosbo@oswego.edu> wrote:  
I approve.

## Chemistry Department Request for Approvals:

Dear All,

We would like to propose to split the existing “Chemistry B.S. Track II – Environmental Chemistry” into a separate B.S. major titled “Environmental Chemistry” with NO CURRICULAR changes.

The existing tracks within the Chemistry B.S. degree are:

1- Chemistry Track

2- Environmental Chemistry Track

Environmental Chemistry Track will be removed from the existing Chemistry B.S. and converted to a separate “Environmental Chemistry B.S.” degree without any curricular changes. Therefore, we do not expect any impact in your courses or programs. We do not expect the change will significantly increase the enrollment.

There will be no changes in the admissions or assessment methods after the proposed split of the tracks. No additional resources or funding will be needed to support the proposed change.

Since your department offers courses (see below) within this major, we would like to receive your support for this change.

**A reply to this email stating the approval would be appreciated.**

Thanks

Biology offerings: Bio120 + (3 credits 300-400 level courses as an option with geo courses)

Geology offerings: Geo100 + (3 credits 300-400 level courses as an option with bio courses)

Physics offerings: Phy 111/212 or Phy112/213

Math offerings: Math 210, 220, 318

Geochem offerings: one of the GCH 436, 437, or 438

*"Where there is a will, there is a way"*

**Dr. Fehmi Damkaci (He, Him, His)**

Professor and Chair, Department of Chemistry &  
President of Terra Science and Education (501.c.3)

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[www.geniusolympiad.org](http://www.geniusolympiad.org)

[www.terraed.org](http://www.terraed.org)