For Minor Changes in existing curriculum (check all that apply):

☐ revised courses           ☐ change in total cr. hrs.
☒ new course sequence       ☐ new program objectives*
☐ new courses added        ☐ new accreditation/assessment
                           requirements

*See SUNY Guidelines

1. Rationale for Change

Please provide an explanatory narrative outlining the rationale for the change, and the impacts of this change on the learning outcomes of the curriculum:

Significant overlap between PSE 438/638 – Renewable Fibrous and Non-fibrous Products and BPE 438/638 – Intro to Biorefinery Processes. Courses presently taught by same instructor who wants to prevent a student from completing BPE 438 or 638 in the spring then enrolling in PSE 438 or 638 in the fall.

2. Institutional Impact:

Changes from existing condition:

Anticipated Enrollment or Enrollment Change: None

Faculty or Staffing Requirements: None

Technology, Computing Resources, and Classroom Resource Demands: None

Change in Accreditation Requirements: None

Changes to Assessment Plan: None

Library Resource Requirements: None

3. Catalog Narrative:

Please attach to this proposal form a copy of the current catalog description in MS Word format, with revisions shown in “track changes”. PLEASE SEE ATTACHED (P. 6).
4. **Curriculum Transition Plan:**

Please provide a narrative description of your plan for transitioning from your existing curriculum to the proposed new curriculum. Please provide specific dates for implementing curriculum changes, overlap periods where old and new curricula may exist simultaneously, and final phase out of old curricula. Please also include impacts and mitigating considerations for transfer students and students in mid-program during implementation, impacts of changes in semester delivery of existing courses, addition of new courses within a particular semester, etc.

None

5. **Approval Signatures:**

Signatures below, or attached letters, indicate that the affected departments, programs or units have been notified of this proposal and have had an opportunity to assess the impact of the proposal on their respective units. If departments did not respond to your notification, you may wish to document your effort to contact them.

**Affected Academic Department(s) or Program(s):**

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<th>Department/Program 1</th>
<th>Name of Chair/Program Director</th>
<th>Chair Signature</th>
<th>Date</th>
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<th>Name of Chair/Program Director</th>
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<th>Name of Chair/Program Director</th>
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*If more/less than three Departments/Programs, please add/delete lines as appropriate.*

**Other Units**

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<th>Library Director</th>
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|                          | Or letter attached □ |
|                          |                      |
### Office of the Provost

Signature below, or attached letter, indicates that the Provost either a) agrees that there is no need for additional resources from the College; or b) indicates willingness to provide the extra support to the department.

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6. Proposer Information and Department Chair Affirmation:

Contact Person:

Name: Dr. Raymond C. Francis
Department: CHE

Email: francis@esf.edu
Phone: x6525

This proposal has been reviewed and approved by the sponsoring Department. Affected departments have been notified and given the opportunity to provide feedback. Department resources are or will be made available to support this curriculum revision, or a plan is in place to meet the resource needs as identified in the Institutional Impacts section of this proposal (see Section 2, above).

Name: ____________________________  Date: __________
Department Chair (or designated curriculum representative)

Signature: ____________________________  Or letter attached □
Department Chair (or designated curriculum representative)
7. Final Approvals:

__________________________________________________________
Curriculum Committee \hspace{5em} Date

__________________________________________________________
Faculty Governance \hspace{5em} Date

__________________________________________________________
Provost \hspace{5em} Date
BPE 438 - Introduction to Biorefinery Processes (3)
Three hours of lecture and discussions per week. Topics covered include chemical and physical properties of biomass feedstocks; sustainable biomass production/utilization, chemical and biological processes of converting plant biomass to chemicals, liquid fuels, and materials. Focus on green chemistry and/or environmentally benign processes, with some discussions on political and social aspects of sustainability and renewability. Offered in the Spring semester.
Prerequisite(s): FCH 150 & 151 and PSE 370 or consent of Instructor. Note: Credit will not be granted for both BPE 438 and PSE 438 nor BPE 638 nor PSE 638.

BPE 638 - Introduction to Biorefinery Processes (3)
Three hours of lecture and discussions per week. Topics covered include chemical and physical properties of biomass feedstocks; sustainable biomass production/utilization, chemical and biological processes of converting plant biomass to chemicals, liquid fuels, and materials. Focus on green chemistry and/or environmentally benign processes, with some discussions on political and social aspects of sustainability and renewability. Offered in the Spring semester.
Note: Credit will not be granted for both BPE 638 and BPE 438 nor PSE 438 nor PSE 638.

Edits are underlined