**Department:** School of Chemical Engineering  
**Effective Session:** Fall 2016

**Instructions:** Please check the items below which describe the purpose of this request.
- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit/type
- Change in course attributes (department head signature only)
- Change in instructional hours
- Change in course description
- Change in course requisites
- Change in semesters offered (department head signature only)
- Transfer from one department to another

**Proposed:**
- Subject Abbreviation: CHE
- Course Number: 45000
- Long Title: Design and Analysis of Processing Systems
- Short Title: Des and Analysis of Proc Sys

**Existing:**
- Subject Abbreviation
- Course Number
- Long Title
- Short Title

**Terms Offered:**
- Summer
- Fall
- Spring

**Campus(ES) Involved:**
- Calumet
- Cont Ed
- Ft. Wayne
- Tech Statewide
- Indianapolis
- N. Central
- W. Lafayette

**Credit Type:**
- 1. Fixed Credit: Cr. Hrs.: 2
- 2. Variable Credit Range:
  - Minimum Cr. Hrs (Check One):
  - Maximum Cr. Hrs:
  - Equivalent Credit: Yes

**Course Attributes:**
- 1. Pass/Not Pass Only
- 2. Satisfactory/Unsatisfactory Only
- 3. Repeatable
- 4. Credit by Examination
- 5. Special Fees
- 6. Registration Approval Type
- 7. Variable Title
- 8. Honors
- 9. Full Time Privilege
- 10. Off Campus Experience

**Course Description (Include Requisites/Restrictions):**
Prerequisite: CHE 449  
Corequisite: CHE 435  
For CHE students only.
Synthesize, develop, and evaluate a preliminary design of a chemical process that meets market requirements for a specific product. Analysis of design alternatives using case studies and optimization methods.

**Office of the Registrar**

[Signatures and dates]