

TO: Eckhard A. Groll, Director  
Office of Professional Practice

FROM: Stephen P. Wanders  
Associate Director, Cooperative Education  
Office of Professional Practice

DATE: April 8, 2016

RE: Approval of Parallel Cooperative Education (Co-Op) program

The Professional Practice Advisory Council (PPAC), at its meeting on April 8, 2016, considered the enclosed documents requesting the establishment Parallel Co-Op as a new major within the existing Cooperative Education Certificate Program. The PPAC voted in favor of the proposal and recommends authorization of the granting of a Certificate of Completion to students who satisfactorily complete the program and the requirements for a Bachelor's degree. The program is to become effective with the 2016-2017 academic year.

Approval:



\_\_\_\_\_  
Eckhard A. Groll, Chair  
Professional Practice Advisory Council

Enclosures

**TO:** The Faculty of the College of Engineering

**FROM:** Office of Professional Practice

**RE:** New Undergraduate Courses ENGR 26099, 36199, 36299, 36099, 46399, 46499, 46099

The faculty of the Professional Practice Advisory Council (PPAC) have approved the following new courses. This action is now submitted to the Engineering Faculty with a recommendation for approval.

- ENGR 26099 Professional Practice Parallel Co-Op Summer I**  
**Semester: Summer; Experiential; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer.
- ENGR 36199 Professional Practice Parallel Co-Op Semester I**  
**Semester: Fall, Spring; Experiential; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer.
- ENGR 36299 Professional Practice Parallel Co-Op Semester II**  
**Semester: Fall, Spring; Class: 1; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 36199.
- ENGR 36099 Professional Practice Parallel Co-Op Summer II**  
**Semester: Summer; Experiential; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 26099.
- ENGR 46399 Professional Practice Parallel Co-Op Semester III**  
**Semester: Fall, Spring; Experiential; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 36299.
- ENGR 46499 Professional Practice Parallel Co-Op Semester IV**  
**Semester: Fall, Spring; Experiential; Credit: 0**  
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 46399.

**ENGR 46099**

**Professional Practice Parallel Co-Op Summer III**

**Semester: Summer; Experiential; Credit: 0**

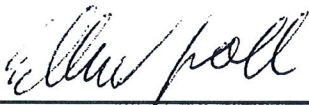
Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 36099.

**Description:**

Co-Op is an academic program with oversight provided by assigned Faculty Coordinators who serve as the Instructor for participating students. Parallel Co-Op program participants are undergraduate students, who work part-time (more than 12 hours per week and less than 30 hours per week) in paid computer science, engineering, polytechnic, or management positions during the academic year terms (fall and spring semesters) for an employer with a local operation or office. During the summer term, Parallel Co-Op students work in full-time positions at any location offered by the employer. A minimum of a one-year commitment is standard for both Parallel Co-Op students and employers. During the academic year, Parallel Co-Op students register for 6 to 9 credit hours of academic course load, and also for this zero-credit hour Parallel Co-Op course that carries half-time student status to recognize the academic impact of the experience. The combination of both academic course and Parallel Co-Op course registrations provides students with full-time status. During the summer term, Parallel Co-Op students register for a zero-credit hour Parallel Co-Op Summer course that carries full-time student status.

**Reason:**

Parallel Co-Op is a new program to Purdue, and has been requested by our current and prospective Co-Op employers as an alternative work rotation to our traditional 5-session and 3-session Co-Op programs. A new zero-credit course is required to provide the half-time student status necessary to supplement the half-time academic course load during fall and spring semesters, for combined full-time student status.



Eckhard A. Groll  
Director of Office of Professional Practice  
Reilly Professor of Mechanical Engineering

Approved for the faculty of the Schools  
of Engineering by the Engineering  
Curriculum Committee

ECC Minutes #3 Date 10-18-76  
Chairman ECC 

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

PROPOSED: Subject Abbreviation <u>ENGR</u>	EXISTING: Subject Abbreviation _____	TERMS OFFERED Check All That Apply: <input checked="" type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring
Course Number <u>26099</u>	Course Number _____	
Long Title <u>Professional Practice Parallel Co-Op Summer I</u>	CAMPUS(ES) INVOLVED	
Short Title <u>Parallel Co-Op Summer I</u>	<input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis	

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

<b>CREDIT TYPE</b>	<b>COURSE ATTRIBUTES: Check All That Apply</b>
1. Fixed Credit: Cr. Hrs. <u>0</u>	1. Pass/Not Pass Only <input type="checkbox"/>
2. Variable Credit Range: _____	2. Satisfactory/Unsatisfactory Only <input checked="" type="checkbox"/>
Minimum Cr. Hrs. _____	3. Repeatable <input type="checkbox"/>
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>	Maximum Repeatable Credit: _____
Maximum Cr. Hrs. _____	4. Credit by Examination <input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Fees <input checked="" type="checkbox"/> Coop <input type="checkbox"/> Lab <input type="checkbox"/> Rate Request
	6. Registration Approval Type <input type="checkbox"/>
	7. Variable Title <input type="checkbox"/>
	8. Honors <input type="checkbox"/>
	9. Full Time Privilege <input checked="" type="checkbox"/>
	10. Off Campus Experience <input type="checkbox"/>
	Department <input type="checkbox"/> Instructor <input checked="" type="checkbox"/>
	Include comment to explain fee _____

Schedule Type	Minutes Per Mig	Meetings Per Week	Weeks Offered	% of Credit Allocated	Cross-Listed Courses
Lecture					
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential			12	100 (30-40 work hrs/wk)	
Research					
Ind. Study					
Pract/Observ					

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**  
Co-Op is an academic program with oversight provided by assigned Faculty Coordinators who serve as the Instructor for participating students. Parallel Co-Op program participants are undergraduate students, who work part-time (more than 12 hours per week and less than 30 hours per week) in paid computer science, engineering, polytechnic, or management positions during the academic year terms (fall and spring semesters) for an employer with a local operation or office. During the summer term, Parallel Co-Op students work in full-time positions at any location offered by the employer. During the academic year, Parallel Co-Op students register for 6 to 9 credit hours of academic course load, and also for this zero-credit hour Parallel Co-Op course that carries half-time student status to recognize the academic impact of the experience. The combination of both academic course and Parallel Co-Op course registrations provides students with full-time status. During the summer term, Parallel Co-Op students register for a zero-credit hour Parallel Co-Op Summer course that carries full-time student status. Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer.

**\*COURSE LEARNING OUTCOMES**

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
<i>William J. Hill</i> _____ Date <u>04/10/16</u>	<i>Michael J. Davis</i> _____ Date <u>11/21/16</u>
West Lafayette Department Head _____ Date _____	West Lafayette Registrar _____ Date _____

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

<b>PROPOSED:</b> Subject Abbreviation <u>ENGR</u> Course Number <u>36099</u> Long Title <u>Professional Practice Parallel Co-Op Summer II</u> Short Title <u>Parallel Co-Op Summer II</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)</small>		<b>EXISTING:</b> Subject Abbreviation _____ Course Number _____		<b>TERMS OFFERED</b> Check All That Apply: <input checked="" type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring
<b>CAMPUS(ES) INVOLVED</b> <input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis				

<b>CREDIT TYPE</b> 1. Fixed Credit: Cr. Hrs. <u>0</u> 2. Variable Credit Range: _____ Minimum Cr. Hrs. _____ (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs. _____ 3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<b>COURSE ATTRIBUTES: Check All That Apply</b> 1. Pass/Not Pass Only <input type="checkbox"/> 6 Registration Approval Type <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input checked="" type="checkbox"/> Department <input type="checkbox"/> Instructor <input checked="" type="checkbox"/> 3. Repeatable <input type="checkbox"/> 7 Variable Title <input type="checkbox"/> Maximum Repeatable Credit: _____    8 Honors <input type="checkbox"/> 4. Credit by Examination <input type="checkbox"/> 9 Full Time Privilege <input checked="" type="checkbox"/> 5. Fees <input checked="" type="checkbox"/> Coop <input type="checkbox"/> Lab <input type="checkbox"/> Rate Request <input type="checkbox"/> 10 Off Campus Experience <input type="checkbox"/> Include comment to explain fee	
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Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Cross-Listed Courses
Lecture					
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential			12	100 (30-40 work hrs/wk)	

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**  
 Co-Op is an academic program with oversight provided by assigned Faculty Coordinators who serve as the Instructor for participating students. Parallel Co-Op program participants are undergraduate students, who work part-time (more than 12 hours per week and less than 30 hours per week) in paid computer science, engineering, polytechnic, or management positions during the academic year terms (fall and spring semesters) for an employer with a local operation or office. During the summer term, Parallel Co-Op students work in full-time positions at any location offered by the employer. During the academic year, Parallel Co-Op students register for 6 to 9 credit hours of academic course load, and also for this zero-credit hour Parallel Co-Op course that carries half-time student status to recognize the academic impact of the experience. The combination of both academic course and Parallel Co-Op course registrations provides students with full-time status. During the summer term, Parallel Co-Op students register for a zero-credit hour Parallel Co-Op Summer course that carries full-time student status. Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer and ENGR 26099.

**\*COURSE LEARNING OUTCOMES**

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
<i>William Hall</i> _____ Date <u>04/06/16</u>	<i>Mark ...</i> _____ Date <u>10/24/16</u>
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____
	West Lafayette Registrar _____ Date _____

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

PROPOSED: Subject Abbreviation ENGR EXISTING: Subject Abbreviation \_\_\_\_\_

Course Number 46099 Course Number \_\_\_\_\_

Long Title Professional Practice Parallel Co-Op Summer III

Short Title Parallel Co-Op Summer III

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

TERMS OFFERED  
Check All That Apply:

Summer  Fall  Spring

CAMPUS(ES) INVOLVED

Calumet  N. Central  
 Cont Ed  Tech Statewide  
 Ft. Wayne  W. Lafayette  
 Indianapolis

CREDIT TYPE		COURSE ATTRIBUTES: Check All That Apply	
1. Fixed Credit: Cr. Hrs. <u>0</u>	2. Variable Credit Range: _____	1. Pass/Not Pass Only <input type="checkbox"/>	6 Registration Approval Type <input type="checkbox"/>
Minimum Cr. Hrs. _____	To <input type="checkbox"/> Or <input type="checkbox"/>	2. Satisfactory/Unsatisfactory Only <input checked="" type="checkbox"/>	Department <input type="checkbox"/>
(Check One)	Maximum Cr. Hrs. _____	3. Repeatable <input type="checkbox"/>	Instructor <input checked="" type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Maximum Repeatable Credit: <u>  </u>	7 Variable Title <input type="checkbox"/>
		4. Credit by Examination <input type="checkbox"/>	8 Honors <input type="checkbox"/>
		5. Fees <input checked="" type="checkbox"/> Coop <input type="checkbox"/> Lab <input type="checkbox"/> Rate Request	9 Full Time Privilege <input checked="" type="checkbox"/>
		Include comment to explain fee	10 Off Campus Experience <input type="checkbox"/>

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated	
Lecture					
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential			12	100	(30-40 work hrs/wk)
Research					
Ind. Study					
Pract/Observ					

Cross-Listed Courses

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COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):  
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\*COURSE LEARNING OUTCOMES

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
<i>William Poll</i> _____ Date <u>04/06/16</u>	<i>Michael C. ...</i> _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette Registrar _____ Date _____

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

**PROPOSED:** Subject Abbreviation ENGR **EXISTING:** Subject Abbreviation \_\_\_\_\_  
 Course Number 36199 Course Number \_\_\_\_\_  
 Long Title Professional Practice Parallel Co-Op Semester I  
 Short Title Parallel Co-Op Semester I  
Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

**TERMS OFFERED**  
Check All That Apply:  
 Summer  Fall  Spring  
**CAMPUS(ES) INVOLVED**  
 Calumet  N. Central  
 Cont Ed  Tech Statewide  
 Ft. Wayne  W. Lafayette  
 Indianapolis

**CREDIT TYPE**  
 1. Fixed Credit: Cr. Hrs. 0  
 2. Variable Credit Range: \_\_\_\_\_  
 Minimum Cr. Hrs. \_\_\_\_\_  
 (Check One) To  Or   
 Maximum Cr. Hrs. \_\_\_\_\_  
 3. Equivalent Credit: Yes  No

**COURSE ATTRIBUTES: Check All That Apply**  
 1. Pass/Not Pass Only  6 Registration Approval Type   
 2. Satisfactory/Unsatisfactory Only  Department  Instructor   
 3. Repeatable  7 Variable Title   
 Maximum Repeatable Credit: \_\_\_\_\_ 8 Honors   
 4. Credit by Examination  9 Full Time Privilege (half-time this course plus  half-time class load)  
 5. Fees  Coop  Lab  Rate Request  10 Off Campus Experience   
 Include comment to explain fee New course attribute: "PCOOP" (\$200 flat fee)

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture				
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experimental			17	100 (12-29 work hrs/wk)
Research				
Ind. Study				
Pract/Observ				

**Cross-Listed Courses**


**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**  
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**\*COURSE LEARNING OUTCOMES**

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____
<i>Arthur Hall 04/10/16</i>	<i>[Signature]</i> _____ Date _____

West Lafayette Registrar \_\_\_\_\_ Date \_\_\_\_\_

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
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(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

<b>PROPOSED:</b>		<b>EXISTING:</b>		<b>TERMS OFFERED</b> Check All That Apply:		
Subject Abbreviation	<u>ENGR</u>	Subject Abbreviation		<input type="checkbox"/> Summer	<input checked="" type="checkbox"/> Fall	<input checked="" type="checkbox"/> Spring
Course Number	<u>36299</u>	Course Number		<b>CAMPUS(ES) INVOLVED</b>		
Long Title	<u>Professional Practice Parallel Co-Op Semester II</u>			<input type="checkbox"/> Calumet	<input type="checkbox"/> N. Central	
Short Title	<u>Parallel Co-Op Semester II</u>			<input type="checkbox"/> Cont Ed	<input type="checkbox"/> Tech Statewide	
Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)				<input type="checkbox"/> Ft. Wayne	<input checked="" type="checkbox"/> W. Lafayette	
				<input type="checkbox"/> Indianapolis		

<b>CREDIT TYPE</b>		<b>COURSE ATTRIBUTES: Check All That Apply</b>			
1. Fixed Credit: Cr. Hrs.	<u>0</u>	1. Pass/Not Pass Only	<input type="checkbox"/>	6 Registration Approval Type	<input type="checkbox"/>
2. Variable Credit Range:		2. Satisfactory/Unsatisfactory Only	<input checked="" type="checkbox"/>	Department	<input type="checkbox"/>
Minimum Cr. Hrs		3. Repeatable	<input type="checkbox"/>	Instructor	<input checked="" type="checkbox"/>
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>		Maximum Repeatable Credit:	<u>  </u>	7 Variable Title	<input type="checkbox"/>
Maximum Cr. Hrs		4. Credit by Examination	<input type="checkbox"/>	8 Honors	<input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		5. Fees <input type="checkbox"/> Coop <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Rate Request		9 Full Time Privilege (half-time this course plus	<input checked="" type="checkbox"/> half-time class load
		Include comment to explain fee		10 Off Campus Experience	<input type="checkbox"/>
				New course attribute: "PCOOP" (\$200 flat fee)	

Schedule Type	Minutes Per Mfg	Meetings Per Week	Weeks Offered	% of Credit Allocated	
Lecture					
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential			17	100	(12-29 work hrs/wk)
Research					
Ind. Study					
Pract/Observ					

Cross-Listed Courses	

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Co-Op is an academic program with oversight provided by assigned Faculty Coordinators who serve as the instructor for participating students. Parallel Co-Op program participants are undergraduate students, who work part-time (more than 12 hours per week and less than 30 hours per week) in paid computer science, engineering, polytechnic, or management positions during the academic year terms (fall and spring semesters) for an employer with a local operation or office. During the summer term, Parallel Co-Op students work in full-time positions at any location offered by the employer. During the academic year, Parallel Co-Op students register for 6 to 9 credit hours of academic course load, and also for this zero-credit hour Parallel Co-Op course that carries half-time student status to recognize the academic impact of the experience. The combination of both academic course and Parallel Co-Op course registrations provides students with full-time status. During the summer term, Parallel Co-Op students register for a zero-credit hour Parallel Co-Op Summer course that carries full-time student status. Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of a valid work session with approved Co-Op employer; and ENGR 36199.

**\*COURSE LEARNING OUTCOMES**

Calumet Department Head	Date	Calumet School Dean	Date
Fort Wayne Department Head	Date	Fort Wayne School Dean	Date
Indianapolis Department Head	Date	Indianapolis School Dean	Date
North Central Faculty Senate Chair	Date	Vice Chancellor for Academic Affairs	Date
<i>[Signature]</i>	<u>09/06/16</u>	<i>[Signature]</i>	<u>10/21/16</u>
West Lafayette Department Head	Date	West Lafayette College/School Dean	Date
		West Lafayette Registrar	Date



**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

PROPOSED:

Subject Abbreviation ENGR

Course Number 46399

Long Title Professional Practice Parallel Co-Op Semester III

Short Title Parallel Co-Op Semester III

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

EXISTING:

Subject Abbreviation \_\_\_\_\_

Course Number \_\_\_\_\_

TERMS OFFERED

Check All That Apply:

Summer  Fall  Spring

CAMPUS(ES) INVOLVED

Calumet  N. Central  
 Cont Ed  Tech Statewide  
 Ft. Wayne  W. Lafayette  
 Indianapolis

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 0
2. Variable Credit Range: \_\_\_\_\_  
 Minimum Cr. Hrs. \_\_\_\_\_  
 (Check One) To  Or   
 Maximum Cr. Hrs. \_\_\_\_\_
3. Equivalent Credit: Yes  No

COURSE ATTRIBUTES: Check All That Apply

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable   
 Maximum Repeatable Credit: \_\_\_\_\_
4. Credit by Examination
5. Fees  Coop  Lab  Rate Request
- 6 Registration Approval Type
- 7 Variable Title
- 8 Honors
- 9 Full Time Privilege (half-time this course plus  half-time class load)
- 10 Off Campus Experience
- New course attribute: "PCOOP" (\$200 flat fee)

Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture				
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential			17	100 (12-29 work hrs/wk)
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):

Co-Op is an academic program with oversight provided by assigned Faculty Coordinators who serve as the Instructor for participating students. Parallel Co-Op program participants are undergraduate students, who work part-time (more than 12 hours per week and less than 30 hours per week) in paid computer science, engineering, polytechnic, or management positions during the academic year terms (fall and spring semesters) for an employer with a local operation or office. During the summer term, Parallel Co-Op students work in full-time positions at any location offered by the employer. During the academic year, Parallel Co-Op students register for 6 to 9 credit hours of academic course load, and also for this zero-credit hour Parallel Co-Op course that carries half-time student status to recognize the academic impact of the experience. The combination of both academic course and Parallel Co-Op course registrations provides students with full-time status. During the summer term, Parallel Co-Op students register for a zero-credit hour Parallel Co-Op Summer course that carries full-time student status. Prerequisite: Student must be eligible to participate in the Cooperative Education (Co-Op) program, and have written documentation of valid work session with approved Co-Op employer; and ENGR 36299.

\*COURSE LEARNING OUTCOMES

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
West Lafayette Department Head _____ Date <u>04/06/16</u>	West Lafayette College/School Dean _____ Date _____
	West Lafayette Registrar _____ Date _____

**PURDUE UNIVERSITY**  
REQUEST FOR ADDITION, EXPIRATION,  
OR REVISION OF AN UNDERGRADUATE COURSE  
(10000-40000 LEVEL)

DEPARTMENT College of Engineering EFFECTIVE SESSION Fall 2016

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents | <input type="checkbox"/> 7. Change in course attributes (department head signature only)  |
| <input type="checkbox"/> 2. Add existing course offered at another campus   | <input type="checkbox"/> 8. Change in instructional hours                                 |
| <input type="checkbox"/> 3. Expiration of a course                          | <input type="checkbox"/> 9. Change in course description                                  |
| <input type="checkbox"/> 4. Change in course number                         | <input type="checkbox"/> 10. Change in course requisites                                  |
| <input type="checkbox"/> 5. Change in course title                          | <input type="checkbox"/> 11. Change in semesters offered (department head signature only) |
| <input type="checkbox"/> 6. Change in course credit/type                    | <input type="checkbox"/> 12. Transfer from one department to another                      |

<b>PROPOSED:</b>	<b>EXISTING:</b>
Subject Abbreviation <u>ENGR</u>	Subject Abbreviation _____
Course Number <u>46499</u>	Course Number _____
Long Title <u>Professional Practice Parallel Co-Op Semester IV</u>	
Short Title <u>Parallel Co-Op Semester IV</u>	

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

**TERMS OFFERED**  
Check All That Apply:

Summer  Fall  Spring

**CAMPUS(ES) INVOLVED**

Calumet  N. Central  
 Cont Ed  Tech Statewide  
 Ft. Wayne  W. Lafayette  
 Indianapolis

<b>CREDIT TYPE</b>	<b>COURSE ATTRIBUTES: Check All That Apply</b>
1. Fixed Credit: Cr. Hrs. <u>0</u>	1. Pass/Not Pass Only <input type="checkbox"/>
2. Variable Credit Range: _____	2. Satisfactory/Unsatisfactory Only <input checked="" type="checkbox"/>
Minimum Cr. Hrs. _____	3. Repeatable <input type="checkbox"/>
(Check One) To <input type="checkbox"/> Or <input type="checkbox"/>	Maximum Repeatable Credit: _____
Maximum Cr. Hrs. _____	4. Credit by Examination <input type="checkbox"/>
3. Equivalent Credit: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Fees <input type="checkbox"/> Coop <input type="checkbox"/> Lab <input checked="" type="checkbox"/> Rate Request <input type="checkbox"/>
	6 Registration Approval Type <input type="checkbox"/>
	7 Variable Title <input type="checkbox"/>
	8 Honors <input type="checkbox"/>
	9 Full Time Privilege (half-time this course plus <input checked="" type="checkbox"/> half-time class load) <input type="checkbox"/>
	10 Off Campus Experience <input type="checkbox"/>
	New course attribute: "PCOOP" (\$200 flat fee)

Schedule Type	Minutes Per Mfg	Meetings Per Week	Weeks Offered	% of Credit Allocated	Cross-Listed Courses
Lecture					
Recitation					
Presentation					
Laboratory					
Lab Prep					
Studio					
Distance					
Clinic					
Experiential			17	100 (12-29 work hrs/wk)	
Research					
Ind. Study					
Pract/Observ					

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**  
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**\*COURSE LEARNING OUTCOMES**

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____
North Central Faculty Senate Chair _____ Date _____	Vice Chancellor for Academic Affairs _____ Date _____
West Lafayette Department Head <u>William Hall</u> <u>04/06/16</u> Date _____	West Lafayette College/School Dean <u>Michael J. Starn</u> <u>10/2/16</u> Date _____
	West Lafayette Registrar _____ Date _____

Parallel Co-Op Program														
Schedule F:														
Year & Term														
1st Year			2nd Year			3rd Year			4th Year			5th Year (as nec.)		
F	S	SS	F	S	SS	F	S	SS	F	S	SS	F	S	SS
	On Campus													
	Work Session (Full-time during Summer; 12 - 29 hours per week during Fall & Spring semesters)													
	Optional On Campus													
Notes:	<p>1 Refer to DRAFT proposal for Parallel Co-Op Program, dated September 2, 2016</p> <p>2 Need to make it flexible enough to accommodate most probable Employer needs (e.g. CAT)</p> <p>3 Need to differentiate between Parallel Co-Op and plans that allow full-time academic load (e.g. Pathmaker)</p> <p>4</p>													
Parallel Co-Op														
Work hours per week during Fall / Spring	12 ≤ work hours per week < 30													
Academic credits per sem. during Fall / Spring	6 ≤ academic credit hours ≤ 9													
Academic Status (ref.: Registrar's office)	Half-Time (6 - 8.9 credit hours) Three-Quarter Time (9 - 11.9 credit hours)													
Full-Time Status Required as part of Parallel Co-Op	Yes ("PCOOP" course registration required to provide half-time student status.)													
Tuition basis (ref.: Bursar's office)	Full Tuition (for > 8 credit hours) Per credit hour (6 - 7.9 credits hours)													
Until "true" Parallel Co-Op is set up at Purdue	Advertise it externally as "Parallel Co-Op" Register for 0-credit Internship course for F, S, and SS Charges \$400 for F, S, and SS													
After "true" Parallel Co-Op is set up at Purdue	Register as "Parallel Co-Op" Build attributes so it provides: full-time student status, and charges \$400 for F, S, and SS													
Minimum program duration (total hours / equivalent months)	888 hours (approx. 5 months equivalent) ex) Summer: 1x[12 weeks X 40 h/w] = 480 Fall: 1x[17 weeks x 12 h/w] = 204 hrs. Spring: 1x[17 weeks x 12 h/w] = 204 hrs. Total = 888 hrs. (~5.1 mos.)													
Possible program duration (total hours / equivalent months)	2,800 hours (approx. 16 months equivalent) ex) Summer: 3x[12 weeks X 40 h/w] = 1,440 Fall: 2x[17 weeks x 20 h/w] = 680 hrs. Spring: 2x[17 weeks x 20 h/w] = 680 hrs. Total = 2,800 hrs. (~16.2 mos.)													

**PURDUE UNIVERSITY**  
**COOPERATIVE EDUCATION PROGRAM**



**APPROVAL PROCESS FOR ESTABLISHING CO-OP PROGRAMS**

**School Level (Program Authorization)**

1. The Faculty of the School generates a proposal, approved by School Faculty and the Dean of the School, requesting approval to establish authority to develop Cooperative Education Programs within Departments and defining general characteristics and criteria for programs.
2. Proposal is reviewed by University Cooperative Education Coordinating Committee. If the proposed program meets all University criteria, Committee approves the proposal and forwards proposal to President with recommendation for approval. If proposed program does not meet University criteria, the proposal is returned to the School with recommendations for modification.
3. President approves the proposal and forwards proposal to the Board of Trustees with recommendation for approval.
4. The Board of Trustees reviews and approves the proposal.

**Department Level (Program Initiation)**

1. The Faculty of the Department generates a proposal, approved by the Departmental Faculty and the Dean of the School, requesting approval to initiate a Cooperative Education Program for students in that department and detailing the specifics of the program.
2. The proposal is reviewed by the University Cooperative Education Coordinating Committee. If the proposal is in accordance with the School's approved Program criteria (see above) and meets all University criteria, the Committee approves the proposal and forwards the proposal to the President with a recommendation for approval. If the proposal is not in accord with the School's Program criteria or the University criteria, the proposal is returned to the department with recommendations for modification.
3. The President reviews and approves the proposal.