**Purdue Northwest Curriculum Document Coversheet**

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| **Document No:**  (According to [Instruction](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)s[[1]](#footnote-1)) | CES 18-01 REV PREREQS ECE | **Approval by Faculty Senate:**  (Leave Blank) | 12/14/18 |
| **Proposed Effective Date** | Spring 2019 | **Date Reviewed by Senate Curriculum**  **Committee:**  (Leave blank) | 11/9/18 |
| **Submitting Department:**  (Name of both Dept & College/School ) | Electrical and Computer Engineering, School of Engineering, College of Engineering and Sciences | **Name(s) of Library Staff Consulted:**  (NA if not required) | NA |
| **Date Reviewed by Department** | September 28, 2018 |  |  |
| **Submission Date:**  (Date sent to College/School Curr Comm after Dept Review) |  | **Will New Library**  **Resources Used?** | **Yes** **No**  Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee** |  | **Form 40 Needed?**  (Double-click one box.)  Registrar will complete Form 40 **after** Senate approval of document. | **Yes** New courses or any course change, check **YES**  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**  (Name & Title) | Edward Pierson, Prof. Emeritus and Vijaya Kumar Devabhaktuni, Chair, ECE |  |  |

Unless marked “Leave blank” all parts of this form must be filled in **before** sending to Secretary of the Faculty Senate.

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| **Task (check all that apply and fill out sections appropriate for each change).**  Program/Concentration Change or New Program/Concentration Proposal: Complete Section I, III, & IV  Minor Change or New Minor Proposal: Complete Section I (delete sections III & IV)  Certificate Change or New Certificate Proposal: Complete Section I (delete sections III & IV)  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**. |
| **Degree name(s).** (If applicable.) |

## Section I: This section is for changes in programs, minors and certificates

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| **List the major changes in each program of study, minor or certificate.** |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.) |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.) |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.)(Include name of person in affected area discussed with) |

## Section II: This section is for changes in courses only

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| **Subject.** (Brief description of proposed change, addition or deletion.)  Change in prerequisites for ECE courses to remove and prerequisite grade requirement other than a D-. |
| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.)  This will remove delays and help students make an orderly transition to graduation. It also removes a potential problem for students with financial aid as before they could pass a course but have to repeat it to proceed to the next course. |

Use the **Current** and **Proposed** spaces below for course changes only. Otherwise, mark “N/A”

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| **Current:** (Course changes: include entire present catalog information. Leave blank if new course)  Please see attached list. | | **Proposed:** (Course changes: include entire new catalog information.)  Please see attached list. |
| **Is this course also:** | **General Education** | **Currently Designated ExL (see** [**instructions[[2]](#footnote-2)**](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)**)** |

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| **Course Objectives / Learning Outcomes.** (New courses only. List main outcomes. If lengthy, attach separate page.)  1.  2.  3. |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.) This will remove potential financial aid questions or issues. |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.)N/A |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.) (Include name of person in affected area this was discussed with.) N/A |

(Boxes will expand and spill over onto next page to accommodate your typing.)

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| **Existing Pre-requisites** | **Proposed Pre-requisites** |
| **ECE 20100 Linear Circuit Analysis I** Undergraduate level MA 16400 Minimum Grade of C- | Undergraduate level MA 16400 |
| **ECE 20200 Linear Circuit Analysis II** Undergraduate level ECE 20100 Minimum Grade of C- | Undergraduate level ECE 20100 |
| **ECE 25100 Object Oriented Programming** Undergraduate level ECE 15200 Minimum Grade of C- | Undergraduate level ECE 15200 |
| **ECE 27001 Introduction to Digital System Design** Undergraduate level ECE 15200 Minimum Grade of C- and Undergraduate level ECE 20100 | Undergraduate level ECE 15200 and Undergraduate level ECE 20100 |
| **ECE 27500 Analog and Digital Electronics** Undergraduate level ECE 20100 Minimum Grade of C- and Undergraduate level ECE 20700 Minimum Grade of C- and Undergraduate level ECE 20200 [may be taken concurrently] | Undergraduate level ECE 20100 and Undergraduate level ECE 20700 and Undergraduate level ECE 20200 [may be taken concurrently] |
| **ECE 30100 Signals and Systems**  Undergraduate level ECE 20200 Minimum Grade of C- and Undergraduate level MA 26400 | Undergraduate level ECE 20200 and Undergraduate level MA 26400 |
| **ECE 35400 Software Engineering Design I** Undergraduate level ECE 25100 Minimum Grade of C- | Undergraduate level ECE 25100 |
| **ECE 37100 Computer Organization and Design** Undergraduate level ECE 27001 Minimum Grade of C- and Undergraduate level ECE 36201 Minimum Grade of C- | Undergraduate level ECE 27001 and Undergraduate level ECE 36201 |
| **ECE 38000 Computers in Engineering Analysis** Undergraduate level ENGR 15100 Minimum Grade of C- and Undergraduate level MA 26400 and Undergraduate level ECE 20200 or ME 27500 Minimum Grade of C- | Undergraduate level ENGR 15100 and Undergraduate level MA 26400, and Undergraduate level ECE 20200 or ME 27500 |
| **ECE 44800 Introduction to Communication Theory** Undergraduate level ECE 30200 or Undergraduate level STAT 34500, and Undergraduate level ECE 30100 Minimum Grade of C-, and Undergraduate level ECE 27500 | Undergraduate level ECE 30200 or Undergraduate level STAT 34500, and Undergraduate level ECE 30100, and Undergraduate level ECE 27500 |

1. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-1)
2. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-2)