**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)) | COT 18-11 REV COURSE MET 38200 | **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 ) | Engineering Technology/ College of Technology | **Name(s) of Library Staff Consulted:** (NA if not required) |  |
| **Date Reviewed by Department**  | October 19, 2018 |  |  |
| **Submission Date:**(Date sent to College/School Curr Comm after Dept Review) | October 25, 2018 | **Will New Library****Resources Used?** | [ ]  **Yes**[x]  **No** Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee**  | October 26, 2018 | **Form 40 Needed?**(Double-click one box.)Registrar will complete Form 40 **after** Senate approval of document. | [x]  **Yes** New courses or any course change, check **YES**[ ]  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**(Name & Title) | Jim Higley |  |  |

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)[x]  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**.Mechanical Engineering Technology |
| **Degree name(s).** (If applicable.)Bachelor of Science, Mechanical Engineering Technology |

## 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 MET 38200 course prerequisite and pattern to match ECET 26200.  |
| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.)This change to the course prerequisite and pattern will allow MET 38200 to be cross listed with ECET 26200 when necessary. The MET 38200 course was added to the MET curriculum as an elective 2 years ago and has often been taught as a co-listed course with ECET 26200. The underlying course concept is a combination of electrical and mechanical applications to support automation. The course is correctly designated as a 200 level course for electrical engineering technology students and as a 300 level course for mechanical engineering students who take it as an MET elective in their junior year.  |

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)

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| **MET 38200 - Controls And Instrumentation For Automation** |
| Credit Hours: 3.00. Study of the procedures and techniques essential to industrial measurement and transmission of data is provided in the areas of microprocessor control, process control, and automated testing. Concepts of hysteresis, repeatability, weighted signals, span, suppression, range, and closed loop control are emphasized. Typically offered Fall Spring Summer. 0.000 OR 3.000 Credit hours **Levels:**Graduate, Professional, Undergraduate **Schedule Types:**Distance Learning, [Laboratory](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_disp_listcrse?term_in=201820&subj_in=MET&crse_in=38200&schd_in=LAB), [Lecture](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_disp_listcrse?term_in=201820&subj_in=MET&crse_in=38200&schd_in=LEC) Engineering Technology-PNW Department **Course Attributes:**Upper Division **Prerequisites:**(Undergraduate level [PHYS 21900](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=PHYS&sel_subj=&sel_crse_strt=21900&sel_crse_end=21900&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D or Undergraduate level [PHYS 22100](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=PHYS&sel_subj=&sel_crse_strt=22100&sel_crse_end=22100&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D) and Undergraduate level [MA 22300](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=MA&sel_subj=&sel_crse_strt=22300&sel_crse_end=22300&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D and Undergraduate level [CNIT 17500](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=CNIT&sel_subj=&sel_crse_strt=17500&sel_crse_end=17500&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D Course Pattern2-2-3 |

 | **Proposed:** (Course changes: include entire new catalog information.)

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| **MET 38200 - Controls And Instrumentation For Automation** |
| Credit Hours: 3.00. Study of the procedures and techniques essential to industrial measurement and transmission of data is provided in the areas of microprocessor control, process control, and automated testing. Concepts of hysteresis, repeatability, weighted signals, span, suppression, range, and closed loop control are emphasized. Typically offered Fall Spring Summer. 0.000 OR 3.000 Credit hours **Levels:**Graduate, Professional, Undergraduate **Schedule Types:**Distance Learning, [Laboratory](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_disp_listcrse?term_in=201820&subj_in=MET&crse_in=38200&schd_in=LAB), [Lecture](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_disp_listcrse?term_in=201820&subj_in=MET&crse_in=38200&schd_in=LEC) Engineering Technology-PNW Department **Course Attributes:**Upper Division **Prerequisites:**Undergraduate level [ECET 15201](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=ECET&sel_subj=&sel_crse_strt=15201&sel_crse_end=15201&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D- or Undergraduate level [ECET 21400](https://ssb-prod.pnw.edu/dbServer_prod/bwckctlg.p_display_courses?term_in=201820&one_subj=ECET&sel_subj=&sel_crse_strt=21400&sel_crse_end=21400&sel_levl=&sel_schd=&sel_coll=&sel_divs=&sel_dept=&sel_attr=) Minimum Grade of D- or Undergraduate level ECET 21401 Minimum Grade of D- Course Pattern2-3-3 |

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| **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.) None |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.) None |
| **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.) None |

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

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)