**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 18-21 REV PREREQS MA 261 | **Approval by Faculty Senate:** (Leave Blank) | 4-12-19 |
| **Proposed Effective Date**  | 08/01/2019 | **Date Reviewed by Senate Curriculum****Committee:** (Leave blank) | 3-8-19 |
| **Submitting Department:**(Name of both Dept & College/School ) | Mathematics, Statistics, and Computer ScienceCollege of Engineering and Science | **Name(s) of Library Staff Consulted:** (NA if not required) |  |
| **Date Reviewed by Department**  |  |  |  |
| **Submission Date:**(Date sent to College/School Curr Comm after Dept Review) | 2/15/19 | **Will New Library****Resources Used?** | [ ]  **Yes**[x]  **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. | [x]  **Yes** New courses or any course change, check **YES**[ ]  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**(Name & Title) | David Feikes, Professor |  |  |

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**. |
| **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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| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.)The pre-requisite for Math 261 is changing from a C to a C- at the request of Engineering. This change will also make the prerequisite for MA 26100 consistent with prerequisites for other math courses. |

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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.) NA |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.) NA |
| **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.) NA |

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

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|  **Existing Pre-requisites** |  **Proposed Pre-requisites** |
| Credit Hours: 4.00. Continuation of MA 16300 (MA 16700) and MA 16400 (MA 16900). Parametric equations and calculus, solid analytic geometry, vector functions, differential and integral calculus of functions of two or more variables, and an introduction to vector calculus with applications. Typically offered Fall Spring Summer.

| **And/Or** |  | **Test** | **Score** | **Subject** | **Course Number** | **Level** | **Grade** |  |
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|  |  |  |  | MA-Mathematics | 16400 | Undergraduate | C |  |
| Or |  |  |  | MA-Mathematics | 16900 | Undergraduate | C |  |

 | Credit Hours: 4.00. Continuation of MA 16300 (MA 16700) and MA 16400 (MA 16900). Parametric equations and calculus, solid analytic geometry, vector functions, differential and integral calculus of functions of two or more variables, and an introduction to vector calculus with applications. Typically offered Fall Spring Summer.

| **And/Or** |  | **Test** | **Score** | **Subject** | **Course Number** | **Level** | **Grade** |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | MA-Mathematics | 16400 | Undergraduate | C- |  |
| Or |  |  |  | MA-Mathematics | 16900 | Undergraduate | C- |  |

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