

**UCC/UGC/ECCC**

Proposal for **Plan Change** or Plan Deletion

|  |
| --- |
| **[x]  FAST TRACK (Select if this will be a fast track item**. **Refer to** [**UCC**](http://www4.nau.edu/avpaa/UCCPolicy/FastTrack.docx) **or** [**UGC**](http://www.nau.edu/gradcol/UGC/UGC_FastTrack_Policy%26Process.pdf) **Fast Track Policy for eligibility)** |

***If this proposal represents changes to the intent of the plan or its integral components, review by the college dean, graduate dean (for graduate items) and/or the provost may be required prior to college curricular submission.***

***All Plans with NCATE designation, or plans seeking NCATE designation, must include an NCATE Accreditation Memo of Approval from the NAU NCATE administrator prior to college curricular submission.***

***UCC proposals must include an updated 8-term plan.***

***UGC proposals must include an updated program of study.***

|  |  |  |  |
| --- | --- | --- | --- |
| 1. College: | **CEFNS** | 2. Academic Unit: | **CECMEE** |
|  |  |  |  |
| 3. Academic      Plan Name: | **Construction Management; B.S. (CMBSX)** | 4. Emphasis: |  |

|  |  |  |
| --- | --- | --- |
| 5. Plan proposal: | [x]  Plan Change | **[ ]** Plan Deletion |
|  | **[ ]** New      Emphasis | **[ ]** Emphasis       Change | **[ ]** Emphasis             Deletion |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. Current student learning outcomes of the plan. If structured as plan/emphasis, include for **both c**ore and emphasis.

|  |
| --- |
| Students will demonstrate:  |
| * Skill in Communication
 |
|   | * Oral
 |
|   | * Written
 |
| * Knowledge of methods, materials and plan reading
 |
| * Knowledge of and skill with use of engineering principles including:
 |
|   | * Engineering Concepts
 |
|   | * Surveying and project Layout
 |
| * Knowledge and skill with the technical and professional principles of construction management including:
 |
|   | * Management concepts
 |
|   | * Bidding and estimating
 |
|   | * Budgeting, costs, and cost controls
 |
|   | * Planning, scheduling, and control
 |
|   | * Construction safety
 |
|   | * Project administration
 |
| * Knowledge of the ethical principles that guide the construction industry
 |

 | Show the proposed changes in this column (if applicable). **Bold** the changes, to differentiate from what is not changing, and change font to **~~Bold Red with strikethrough~~**for what is being deleted. *(*[*Resources, Examples & Tools for Developing Effective Program Student Learning Outcomes*](http://www4.nau.edu/avpaa/Assessment/ProgramLearningOutcomesPDF_090712.pdf)*).***UNCHANGED** |
| 7. Current catalog plan overview and requirements in this column. Cut and paste the *Overview* and *Details* tabs, in their entirety, from the current on-line academic catalog: (<http://catalog.nau.edu/Catalog/>)***Construction Management, Bachelor of Science***In addition to University Requirements:* At least 23-24 units of preprofessional requirements
* At least 65 units of major courses
* At least 24 units of minor requirements
* Be aware that you may not use courses with a CM prefix to satisfy liberal studies requirements
* Elective courses, if needed, to reach an overall total of at least 120 units

Please note that you may be able to use some courses to meet more than one requirement. Contact your advisor for details.

| Minimum Units for Completion | 120 |
| --- | --- |
| GPA | C |
| Mathematics Required | [MAT 125](http://catalog.nau.edu/Courses/course?courseId=005205&catalogYear=1213) |
| Emphasis, Minor, Certificate | Required |
| Foreign Language | Required |
| Fieldwork Experience/Internship | Recommended |
| Additional Fees/Program Fees | Required |
| Progression Plan | [View Progression Plan](http://catalog.nau.edu/ProgressionPlans/index.jsp?inst=NAU00&cat=1213#CMBSX) |

***Major Requirements***Take the following 88 - 89 units with a Grade of "C" or better in each course:Preprofessional Requirements (23-24 units)* MAT 125 or MAT 136 (4 units)
* PHY 111 or PHY 161 (4 units)
* PHY 112 or PHY 262 (3-4 units)
* CM 120, CM 123, CM 130 (9 units)
* STA 270 or CENE 225 (3 units)

Major requirements (at least 65 units)* CM 220, CM 222, CM 223, CM 225 (12 units)
* CM 253 or CENE 270 (3 units)
* CM 331, CM 326, CM 329, CM 360, CM 388, CM 391 (18 units)
* CM 481, CM 489 (6 units)
* CM 200L, CM 300L, CM 400L (3 units)
* CM elective (6 units)
* CST 111 (3 units)
* Courses in the same modern language (8 units)
* CM 302W (3 units)
* CM 490C (3 units)

***Minor Requirements***Complete the requirements for the [Business](http://catalog.nau.edu/Catalog/details?plan=BUSMN&catalogYear=1213) Minor from the W. A. Franke College of Business. CM 130 will satisfy the requirements for CIS 120.General ElectivesAdditional coursework is required, if, after you have met the previously described requirements, you have not yet completed a total of 120 units of credit.  You may take these remaining courses from any academic areas, using these courses to pursue your specific interests and goals. We encourage you to consult with your advisor to select the courses that will be most advantageous to you. (Please note that you may also use prerequisites or transfer credits as electives if they weren't used to meet major, minor, or liberal studies requirements.)Additional InformationBe aware that some courses may have prerequisites that you must also take. For prerequisite information click on the course or see your advisor.PROGRAM FEE INFORMATIONProgram fees are established by the Arizona Board of Regents (ABOR). A program fee of $500 per year in students' Junior and Senior years has been approved for this program. | Show the proposed changes in this column.  **Bold** the changes, to differentiate from what is not changing, and change font to **~~Bold Red with strikethrough~~** for what is being deleted.***Construction Management, Bachelor of Science***In addition to University Requirements:* At least 23-24 units of preprofessional requirements
* At least 65 units of major courses
* At least 24 units of minor requirements
* Be aware that you may not use courses with a CM prefix to satisfy liberal studies requirements
* Elective courses, if needed, to reach an overall total of at least 120 units

Please note that you may be able to use some courses to meet more than one requirement. Contact your advisor for details.

| Minimum Units for Completion | 120 |
| --- | --- |
| GPA | C |
| Mathematics Required | [MAT 125](http://catalog.nau.edu/Courses/course?courseId=005205&catalogYear=1213) |
| Emphasis, Minor, Certificate | Required |
| Foreign Language | Required |
| Fieldwork Experience/Internship | Recommended |
| Additional Fees/Program Fees | Required |
| Progression Plan | [View Progression Plan](http://catalog.nau.edu/ProgressionPlans/index.jsp?inst=NAU00&cat=1213#CMBSX) |

***Major Requirements***Take the following 88 - 89 units with a Grade of "C" or better in each course:Preprofessional Requirements (23-24 units)* MAT 125 or MAT 136 (4 units)
* PHY 111 or PHY 161 (4 units)
* PHY 112 or PHY 262 (3-4 units)
* CM 120, CM 123, CM 130 (9 units)
* STA 270 or CENE 225 (3 units)

Major requirements (at least 65 units)* CM 220, CM 222, CM 223, CM 225 (12 units)
* CM 253 or CENE 270 (3 units)
* CM 331, CM 326, CM 329, CM 360, CM 388, CM 391 (18 units)
* CM 481, CM 489 (6 units)
* CM 200L, CM 300L, CM 400L (3 units)
* **~~CM elective~~** **Select two courses from: CM 403, CM 425, CM 460, (CM 408 or CM 499)** (6 units)
* CST 111 (3 units)
* Courses in the same modern language (8 units)
* CM 302W (3 units)
* CM 490C (3 units)

***Minor Requirements***Complete the requirements for the [Business](http://catalog.nau.edu/Catalog/details?plan=BUSMN&catalogYear=1213) Minor from the W. A. Franke College of Business. CM 130 will satisfy the requirements for CIS 120.General ElectivesAdditional coursework is required, if, after you have met the previously described requirements, you have not yet completed a total of 120 units of credit.  You may take these remaining courses from any academic areas, using these courses to pursue your specific interests and goals. We encourage you to consult with your advisor to select the courses that will be most advantageous to you. (Please note that you may also use prerequisites or transfer credits as electives if they weren't used to meet major, minor, or liberal studies requirements.)Additional InformationBe aware that some courses may have prerequisites that you must also take. For prerequisite information click on the course or see your advisor.PROGRAM FEE INFORMATIONProgram fees are established by the Arizona Board of Regents (ABOR). A program fee of $500 per year in students' Junior and Senior years has been approved for this program. |

8. Justification for proposal:

**Additional program assessment indicates that we will allow a graded internship experience (CM 499) as one of the electives in the program of study. This change also defines the approved electives within the program.**

9. NCATE designation, if applicable**:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [ ]  Initial Plan |  | [ ]  Advanced Plan |  | [ ]  Remove Designation |
| 10. Effective beginning **FALL**: | **2014** |  |
|  [**See effective dates calendar**](http://www4.nau.edu/avpaa/timelines/1213Effective.xls). |  |

11. Will this proposal impact other plans, sub plans, or course offerings, etc.?

 Yes [ ]      No [x]

      If yes, describe the impact and include a letter of response from each impacted academic unit.

**Answer 12-13 for UCC/ECCC only:**

12. A major is differentiated from another major by required course commonality: 24 units of the        required credit hours of a major must be unique, (i.e. not common or not dual use as a required        element in another major), to that major. Does this plan have 24 units of unique required        credit? Yes [x]       No [ ]

13. Minor: A planned group of courses from one or more subject matter areas consisting of at least        18 hours and no more than 24 hours. At least 12 hours of the minor must be unique to that minor        to differentiate it from other minors.

       Does this minor have 12 units of unique required credit? Yes [ ]       No [ ]

**Answer 14-15 for UGC only:**

14. If this is a non-thesis plan, does it require a minimum of 24 units of formal graded coursework?                                                                                                                                       Yes [ ]       No [ ]

       If no, explain why this proposal should be approved.

15. If this is a thesis plan, does it require a minimum of 18 units of formal graded coursework?                                                                                                                                       Yes [ ]       No [ ]

       If no, explain why this proposal should be approved.

|  |  |
| --- | --- |
| **FLAGSTAFF MOUNTAIN CAMPUS** |  |
| **Scott Galland**  | **09/17/2013** |
| Reviewed by Curriculum Process Associate | Date |
|  |  |
| **Approvals**: |  |
| Bridget Bero | **5-3-13** |
| Department Chair/Unit Head (if appropriate) | Date |
|  |  |
| Chair of college curriculum committee | Date |
|  | **7/9/13** |
| Dean of college | Date |
|  |  |
| **For Committee use only:** |  |
|  |  |
| UCC/UGC Approval | Date |

Approved as submitted: Yes [ ]  No [ ]

Approved as modified: Yes [ ]  No [ ]

|  |  |
| --- | --- |
| **EXTENDED CAMPUSES** |  |
|  |  |
| Reviewed by Curriculum Process Associate | Date |
|  |  |
| **Approvals:**  |  |
|  |
| Academic Unit Head | Date |
|  |
| Division Curriculum Committee (Yuma, Yavapai, or Personalized Learning) | Date |
|  |
| Division Administrator in Extended Campuses (Yuma, Yavapai, or Personalized Learning) | Date |
|  |
| Faculty Chair of Extended Campuses Curriculum Committee (Yuma, Yavapai, or Personalized Learning) | Date |
|  |
| Chief Academic Officer; Extended Campuses (or Designee) | Date |
|  |  |

Approved as submitted: Yes [ ]  No [ ]

Approved as modified: Yes [ ]  No [ ]