

**UCC/UGC/ECCC**

Proposal for Plan Change or Plan Deletion

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| **[ ]  FAST TRACK (Select if this will be a fast track item**. Refer to  [***Fast Track Policy***](http://www4.nau.edu/avpaa/UCCPolicy/Agenda_FastTrack_Consent.docx) 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.***

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| 1. College: | **CENFS**  | 2. Academic Unit: | **SESES**  |
|  |  |  |  |
| 3. Academic      Plan Name: | **Earth Science-Secondary Education; B.S.Ed. (EASCBSEDX)** | 4. Emphasis: |  |

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

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| --- | --- |
| 6. Current student learning outcomes of the plan. If structured as plan/emphasis, include for **both c**ore and emphasis. **NEED**The plan level learning outcomes are beingdeveloped in a curriculum remapping process that is not complete at this time | 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** |

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| 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/>)Earth Science-Secondary Education; B.S.Ed. In addition to University Requirements:This degree plan is support through the NAUTeach program.* At least 96 units of major requirements which includes at least 31 units of Mathematics and Science Teaching requirements
* Be aware that you may not use courses with a GLG prefix to satisfy liberal studies requirements
* Elective courses, if needed, to reach an overall total of at least 120 units

Candidates in this program are required to demonstrate content knowledge, pedagogical knowledge and skills, professional knowledge, and professional dispositions to be eligible to enter student teaching or internship placements. Content, pedagogical, and professional knowledge or skills, professional dispositions are demonstrated through candidate performance on key assessments embedded in the following course(s):Please note that you may be able to use some courses to meet more than one requirement. Contact your advisor for details.* TSM 350, TSM 404, TSM 450, TSM 495C, TSM 496C, BME 437

| Minimum Units for Completion | 120 |
| --- | --- |
| GPA | 2.5 |
| Mathematics Required | [MAT 125](http://catalog.nau.edu/Courses/course?courseId=005205&catalogYear=1314) |
| Additional Admission Requirements | Required |
| Student Teaching/Supervised Teaching | Required |
| University Honors Program | Optional |
| Progression Plan | [View Progression Plan](http://catalog.nau.edu/ProgressionPlans/index.jsp?inst=NAU00&cat=1314#EASCBSEDX) |

*Additional Admission Requirements*Admission requirements over and above admisssion to NAU are required.To be eligible for admission to the teacher education program, candidates must meet the following requirements and apply for the program online.30 units of coursework which includes:* TSM 101 and TSM 102 with grades of "C" or better
* Program Mathematics Foundations requirement with a grade of "C" or better
* The English foundations requirement (ENG 105 or equivalent) with a minimum GPA of 3.0. (If your English GPA is below 3.0, you may take an approved writing course to achieve the 3.0 GPA.)
* Completion of or enrollment in TSM 300, Knowing and Learning
* A minimum GPA of 2.5 in all content major coursework (must have taken at least 6 units) AND one of the following grade point average requirements:
	+ A cumulative 2.5 GPA in Liberal Studies courses
	+ A cumulative 2.5 GPA in all courses
* You must be declared in this major
* Completion of a teacher-education orientation for Secondary Education
* Submission of a copy of your State-approved Identity-Verified Print (IVP) fingerprint clearance card, obtainable through the Arizona Department of Public Safety (602-223-2279)

*Major Requirements*Take the following 96 units:Geology courses with grades of "C" or better (38 units)Select one of the following options (4 units):* + GLG 101, GLG 103 - Recommended
	+ GLG 100, GLG 100L with grades of "B" or better
	+ GLG 112, GLG 112L with grades of "B" or better
* GLG 102, GLG 104, GLG 107, GLG 115, GLG 190, GLG 190L, GLG 225, GLG 240, GLG 304, GLG 360, GLG 430, GLG 445C (34 units)

Supporting Courses (27 units)* BIO 181, BIO 181L, BIO 182, BIO 182L (8 units)
* (CHM 130 or CHM 151) and CHM 151L (5 units)
* GLG 350W (3 units)
* MAT 125 or MAT 136 (4 units)
* PHI 359 (3 units)
* PHY 111 (4 units)

Mathematics and Science Teaching Courses (33 units)* TSM 300 with a grade of "C" or better (3 units)
* TSM 495C (12 units)
* TSM 496C with a grade of "B" or better (1 unit)

Note: Together, TSM 496C and TSM 495C meet Northern Arizona University's senior capstone requirement.In order to be approved for student teaching, you must complete the following 15 units, earning a grade of "B" or better in four of the five courses and earning a "C" or better in the remaining course.* BME 200, BME 437 (6 units)
* TSM 350, TSM 404, TSM 450 (9 units)

*Teacher Preparation*In all of our teacher education programs, you are required to apply for, and complete a student teaching or internship experience. Applications are due one year prior to the student teaching semester. In addition, a minimum number of units of practicum is required, which involves supervised field experience with a practicing teacher.Before being accepted to student teaching, the following criteria must be met:* Admission to the teacher education program
* NAU GPA must be at least 2.5, with a GPA of 2.5 in all teacher preparation courses, with no grade lower than a "C"
* Complete all plan requirements.
* Take the appropriate AEPA Subject Knowledge test.
* All major coursework, with the exception of TSM 101, must be completed within the six years prior to student teaching.
* All candidates must demonstrate social and emotional maturity consistent with professional standards of classroom instruction as well as adequate physical health for teaching.

*Arizona Teacher Certification*In order to obtain an Arizona teaching certificate you must pass both the appropriate National Evaluation Series subject matter test and the National Evaluation Series Secondary Assessment Professional Knowledge.*General Electives*Additional 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.)Please note that you may take as an elective POS 220 (or POS 110 and POS 241), which satisfies the state and federal constitution requirement for Arizona certification, or you may meet the requirement by demonstrating proficiency on a special exam.*Additional Information*Be aware that some courses may have prerequisites that you must also take. For prerequisite information click on the course or see your advisor.This plan is supported through the NAUTeach program.http://nau.edu/CEFNS/CSTL/Degrees-Programs/NAUTeach/ | 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.Earth Science-Secondary Education; B.S.Ed. In addition to University Requirements:This degree plan is support through the NAUTeach program.* At least 96 units of major requirements which includes at least 31 units of Mathematics and Science Teaching requirements
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8. Justification for proposal:

**The department is proposing to change GLG 430 to GLG 259/259L and cross list with GSP 259. Their reasons for the change are:**

**1) Expand course offerings for lower-division GLG majors while reducing the current bulge in upper-division course progression.**

**(2) Eliminate redundant course offering by cross-listing between GLG and GSP.**

**(3) Use efficiency to expand range of topics by offering a new advanced course in geomorphology.**

**This proposal is to replace GLG 430 with GLG 259/GLG 259L.**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [x]  Initial Plan |  | [ ]  Advanced Plan |  | [ ]  Remove Designation |
| 10. Effective beginning **FALL**: | **2014** |  |
|  [**See effective dates calendar**](http://www4.nau.edu/avpaa/timelines/1314Effective.xls). |  |

11. Will this proposal impact other plans, sub plans, or course offerings, etc.? Yes [ ]      No [x]

   If yes, describe the impact. If applicable, include evidence of notification to and/or 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**  | **10/07/2013** |
| Reviewed by Curriculum Process Associate | Date |
|  |  |
| **Approvals**: |  |
|  |  |
| Department Chair/Unit Head (if appropriate) | Date |
|  |  |
| Chair of college curriculum committee | Date |
|  |  |
| 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 [ ]