

**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: | | **Environmental Sciences; B.S. (ENVSCBS)** | | 4. Emphasis: | | **Applied Mathematics (ESAMM)**  **Biology (ESBIOM)**  **Chemistry (ESCHMM)**  **Environmental Administration & Policy (ESAPM)**  **Environmental Communication (ESECM)**  **Environmental Management (ESEMM)** | |

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| 5. Plan proposal: | | 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.  1. Students will demonstrate an understanding and ability to use key concepts from the environmental sciences.  2. Students will demonstrate oral and written skills in presenting information in the environmental sciences.  3. Students will demonstrate skills in conducting  research and/or applying environmental sciences knowledge in an employment setting.  4. Students will demonstrate understanding of key concepts and skills in their emphasis | 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/>)Environmental Sciences; B.S. In addition to University Requirements:   * At least 82 units of major requirements including at least 42-62 units of emphasis requirements * Be aware that you may not use courses with an ENV 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 | | Emphasis, Minor, Certificate | Required | | Fieldwork Experience/Internship | Optional | | Research | Optional | | University Honors Program | Optional | | Progression Plan | [View Progression Plan](http://catalog.nau.edu/ProgressionPlans/index.jsp?inst=NAU00&cat=1314#ENVSCBS) |   *Major Requirements*  Take the following 82 - 102 units with a grade of Grade of "C" or better in the first 37 units and a "C" average in emphasis courses:   * ENV 230, ENV 326 ENV 326L, ENV 360 (12 units) * ENV 385W (4 units) * ENV 408 or ENV 485 (3 units) * CHM 151, CHM 151L, CHM 152, CHM 152L (9 units) * POS 359 and (STA 270 or STA 275]) (6 units) * ENV 490C (3 units) * One additional upper-division ENV course (3 units)   Emphasis Requirements (Select One):  Applied Geology Emphasis (50 units)  Select one of the following combinations (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 240, (GLG 259 and GLG 259L), GLG 309, GLG 324, GLG 360, GLG 435, GLG 451 (31 units) * MAT 136 MAT 137 (8 units) * PHY 111 or PHY 161 (4 units) * One additional upper-division ENV course (3 units)   Applied Mathematics Emphasis (44 units)   * (CS 122 and CS 122L) or CS 123 (3 units) * ENV 440, ENV 440L (4 units) * GSP 239 (4 units) * MAT 136, MAT 137, MAT 238, MAT 239, MAT 316 (18 units) * STA 471 (3 units) * Select four or more additional mathematics, statistics, and/or science courses chosen with your advisor's approval; excluding BIO 326, BIO 326LW, any recitation ("R") courses. (12 units)   Biology Emphasis (44-49 units)   * BIO 181, BIO 181L, BIO 182, BIO 182L, BIO 205, BIO 205L (12 units) * CHM 230, CHM 360 (6 units) * ENV 440, ENV 440L (4 units) * GSP 239 (4 units) * MAT 136 or (MAT 114, MAT 119, and MAT 131) (4-9 units) * Select 14 units of non-repeating courses, with 7 of the 14 units at the 300-level or above from ENV, BIO, CHM, FOR, or GLG courses; excluding ENV 101, ENV 101L, ENV 182, BIO 100, BIO 100L, BIO 171, BIO 326, BIO 326LW, GLG 100, GLG 100L, CHM 130 or any recitation ("R") courses. (14 units)   Chemistry Emphasis (42 units)   * CHM 235, CHM 235L, CHM 238, CHM 238L, CHM 320, CHM 320L, CHM 341, CHM 425C, CHM 425L (22 units) * ENV 430 (3 units) * MAT 136, MAT 137 (8 units) * PHY 161, PHY 262 (PHY 262L is not required) (7 units) * One additional upper-division ENV course (3 units)   Environmental Administration and Policy Emphasis (48 units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * COM 150 (3 units) * GLG 101, GLG 103 (4 units) * PHI 331 (3 units) * POS 224, POS 250, POS 325, POS 344, POS 455 (15 units) * One 200-level or higher, non-repeating, CHM, GLG, PHY, or BIO course (excluding BIO 326, BIO 326LW or recitations) (3 units) * One additional upper-division ENV course (3 units) * One budgeting and/or economics course, chosen from a departmental list (may include POS, STA, ECO, and FOR) (3 units) * Related coursework chosen with your advisor's approval (6 units)   Please note that we recommend the following courses:   * Politics: POS 314, POS 315, POS 316, POS 317, POS 326, POS 335, POS 345, POS 421C, POS 428 * International and Comparative Politics: POS 360, POS 361, POS 362, POS 364, POS 366, POS 370, POS 372, POS 374, POS 380, POS 480 * Geography, Planning, and Recreation: GSP 201, GSP 206, GSP 302, GSP 401, GSP 499 * Environmental Sciences: ENV 440, FOR 445 * Social Sciences: ANT 370, CCJ 312, ECO 324, SOC 414 * Humanities: REL 380, REL 391   Environmental Communication Emphasis (47 units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * GLG 101, GLG 103 (4 units) * JLS 131, JLS 231 (6 units) * COM 131, COM 150, COM 200, CST 111 (12 units) * One 200-level or higher, non-repeating, CHM, GLG, PHY, or BIO course; excluding BIO 326, BIO 326LW or recitation ("R") (3 units) * One additional upper-division ENV course (3 units)   Select related coursework, with your advisor's approval, from (11 units):   * COM 250, COM 400 * EMF 223, EMF 229 * GSP 239 * JLS 382, JLS 431C, JLS 482 * PHO 281 * PR 332, CST 323, CST 361, CST 472, CST 477   Environmental Management Emphasis (62 units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * ECO 284 (3 units) * MAT 125 or MAT 136 (4 units) * ENV 440 (3 units) * FOR 230, FOR 381, FOR 430 (9 units) * GSP 239, GSP 302 (7 units) * Select two courses from: FOR 360, FOR 370, FOR 382, FOR 445; (PRM 346W or POS 344) (6 units) * One additional upper-division ENV course (3 units) * Select from: PHI 105, PHI 331; REL 380, REL 391 (3 units) * Select from: ECO 285, ECO 324, ECO 486 (3 units) * Select from: POS 250, POS 345 (3 units) * Select from: ANT 370; MGT 303; POS 455; SOC 319 (3 units) * Select from: GSP 320, GSP 331 (4 units) * Select from: COM 150; CST 271, CST 323 (3 units)   *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.)  *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. | 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. Environmental Sciences; B.S. In addition to University Requirements:   * At least **~~82~~** **80** units of major requirements including at least 42-62 units of emphasis requirements * Be aware that you may not use courses with an ENV 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 | | Emphasis, Minor, Certificate | Required | | Fieldwork Experience/Internship | Optional | | Research | Optional | | University Honors Program | Optional | | Progression Plan | [View Progression Plan](http://catalog.nau.edu/ProgressionPlans/index.jsp?inst=NAU00&cat=1314#ENVSCBS) |   *Major Requirements*  Take the following **~~82 102~~** **80-88** units with a grade of Grade of "C" or better in the first **~~37~~** **43** units and a "C" average in emphasis courses:   * **ENV 115,** ENV 230, ENV 326 ENV 326L, ENV 360 (**~~12~~** **15** units) * ENV 385W (4 units) * ENV 408 or ENV 485 (3 units) * CHM 151, CHM 151L, CHM 152, CHM 152L (9 units) * POS 359 and (STA 270 or STA 275]) (6 units) * ENV 490C (3 units) * One additional upper-division ENV course (3 units)   Emphasis Requirements (Select One):  Applied Geology Emphasis (50 units)  Select one of the following combinations (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 240, (GLG 259 and GLG 259L), GLG 309, GLG 324, GLG 360, GLG 435, GLG 451 (31 units) * MAT 136 MAT 137 (8 units) * PHY 111 or PHY 161 (4 units) * One additional upper-division ENV course (3 units)   Applied Mathematics Emphasis (**44** **38** units)   * (CS 122 and CS 122L) or CS 123 (3 units) * ENV 440, ENV 440L (4 units) * GSP 239 (4 units) * MAT 136, MAT 137, MAT 238, MAT 239, MAT 316 (18 units) * STA 471 (3 units) * Select **~~four~~** **two** or more additional mathematics, statistics, and/or science courses chosen with your advisor's approval; excluding BIO 326, BIO 326L**~~W~~**, any recitation ("R") courses. (**~~12~~** **6** units)   Biology Emphasis (**~~44-49~~** **40-45** units)   * BIO 181, BIO 181L, BIO 182, BIO 182L, BIO 205, BIO 205L (12 units) * CHM 230, CHM 360 (6 units) * ENV 440, ENV 440L (4 units) * **~~GSP 239 (4 units)~~** * MAT 136 or (MAT 114, MAT 119, and MAT 131) (4-9 units) * Select 14 units of non-repeating courses, with 7 of the 14 units at the 300-level or above from ENV, BIO, CHM, FOR, or GLG courses; excluding ENV 101, ENV 101L, ENV 182, BIO 100, BIO 100L, BIO 171, BIO 326, BIO 326LW, GLG 100, GLG 100L, CHM 130 or any recitation ("R") courses. (14 units)   Chemistry Emphasis (**~~42~~** **37** units)   * **~~CHM 235, CHM 235L,~~** **CHM 230, CHM 230L,** **~~CHM 238, CHM 238L,~~** CHM 320, CHM 320L, CHM 341, CHM 425C, CHM 425L (**~~22~~** **16** units) * ENV 430 (3 units) * MAT 136, MAT 137 (8 units) * PHY 161, PHY 262 (PHY 262L is not required) (7 units) * One additional upper-division ENV course (3 units)   Environmental Administration and Policy Emphasis (**~~48~~** **39** units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * COM 150 (3 units) * GLG 101, GLG 103 (4 units) * PHI 331 (3 units) * POS 224, POS 250, POS 325, **~~POS 344, POS 455~~** (**~~15~~** **9** units) * **~~One 200-level or higher, non-repeating, CHM, GLG, PHY, or BIO course (excluding BIO 326, BIO 326LW or recitations) (3 units)~~** * One additional upper-division ENV course (3 units) * One budgeting and/or economics course, chosen from a departmental list (may include POS, STA, ECO, and FOR) (3 units) * Related coursework chosen with your advisor's approval (6 units)   Please note that we recommend the following courses:   * Politics: POS 314, POS 315, POS 316, POS 317, POS 326, POS 335, **~~POS 345,~~** POS 421C, POS 428 * International and Comparative Politics: POS 360, POS 361, POS 362, POS 364, POS 366, POS 370, POS 372, POS 374, POS 380, POS 480 * Geography, Planning, and Recreation: GSP 201, GSP 206, **~~GSP 302,~~** GSP 401, GSP 499 * Environmental Sciences: ENV 440, FOR 445 * Social Sciences: ANT 370, CCJ 312, ECO 324, SOC 414 * Humanities: REL 380, REL 391   Environmental Communication Emphasis (47 units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * GLG 101, GLG 103 (4 units) * JLS 131, JLS 231 (6 units) * COM 131, COM 150, COM 200, CST 111 (12 units) * One 200-level or higher, non-repeating, CHM, GLG, PHY, or BIO course; excluding BIO 326, BIO 326LW or recitation ("R") (3 units) * One additional upper-division ENV course (3 units)   Select related coursework, with your advisor's approval, from (11 units):   * COM 250, COM 400 * **EMF 129,** **~~EMF 223~~, EMF 225, ~~EMF 229~~** * GSP 239 * **JLS 284, JLS 335W,** JLS 382**~~, JLS 431C, JLS 482~~** * PHO 281 * PR 332, CST 323, CST 361, CST 472, CST 477   Environmental Management Emphasis (**~~62~~** **40** units)   * BIO 181, BIO 181L, BIO 182, BIO 182L (8 units) * ECO 284 (3 units) * MAT 125 or MAT 136 (4 units) * ENV 440 (3 units) * FOR 230**~~, FOR 381, FOR 430~~** (**~~9~~** **3** units) * GSP 239**~~, GSP 302~~** (**~~7~~** **4** units) * Select **~~two courses~~** **one** from: FOR 360, **~~FOR 370, FOR 382,~~** FOR 445**~~; (~~**PRM 346W **~~or POS 344)~~** (**~~6~~** **3** units) * One additional upper-division ENV course (3 units)   **In consultation with your advisor select three courses from the following list, with no more than one from each group (9 units)**   * **~~Select from:~~** PHI 105, PHI 331; REL 380, REL 391 **~~(3 units)~~** * **~~Select from:~~** ECO 285, ECO 324, ECO 486 **~~(3 units)~~** * **~~Select from:~~** POS 250**~~, POS 345 (3 units)~~** * **~~Select from:~~** ANT 370, MGT 303, **~~POS 455;~~** SOC 319 **~~(3 units)~~** * **~~Select from:~~** GSP 320, GSP 331 **~~(4 units)~~** * **~~Select from:~~** COM 150; CST 271, CST 323 **~~(3 units)~~**   *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.)  *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. |

8. Justification for proposal:

**The subject of climate change has become one of the most pressing topics in environmental curricula in recent years, and will continue to be in the future. The issue touches all other environmental issues, from those of endangered species and energy policy to environmental justice issues. We wish to add this freshman level course to the core of the Environmental Sciences so that students can incorporate this information into the context of all of their subsequent coursework in their academic career.**

**We also have analyzed whether some courses are regularly taught or whether they are taught at all, and revised and minimized the number of credit hours for each of the emphases. This has dropped the number of credits in the major so that other courses can be taken by the student.**

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/1314Effective.xls). | | | |  | | | |

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

   If yes, describe the impact. If applicable, include evidence of notification to and/or response from

each impacted academic unit

**See attached notifications to/support from: GSP, CHM, POS, EMF, JLS, FOR, PHY, BIO (pending)**

**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       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.

|  |  |
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| **FLAGSTAFF MOUNTAIN CAMPUS** |  |
| **Scott Galland** | **12/6/2013** |
| 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

**From:** Stuart S Galland   
**Sent:** Wednesday, December 04, 2013 10:25 AM  
**To:** Marin Sands Robinson; Mark A Neumann  
**Cc:** Calvin Brant Short  
**Subject:** FW: BS Environmental Science Proposed changes

HI,

This email is to notify you that the School of Environmental Sciences and Environmental Sustainability is proposing to remove/add your courses from their plan (emphasis) requirements;

* Drop CHM 235/235L and Add CHM 230, 230L
* Drop EMF 229 and Add EMF 129
* Drop JLS 431C, 482 and Add JLS 284, 335W

**From:** Marin Sands Robinson   
**Sent:** Wednesday, December 04, 2013 10:49 AM  
**To:** Stuart S Galland; Paul Quinn Helford; Mark A Neumann  
**Cc:** Calvin Brant Short  
**Subject:** RE: BS Environmental Science Proposed changes

All,

You also need to delete CHM 238 and CHM 238L. Can you fix it? I will then approve the changes.

Chemistry Emphasis (**~~42~~** **37** units)

* **~~CHM 235, CHM 235L,~~** **CHM 230, CHM 230L,** CHM 238, CHM 238L, CHM 320, CHM 320L, CHM 341, CHM 425C, CHM 425L (**~~22~~** **16** units)
* ENV 430 (3 units)
* MAT 136, MAT 137 (8 units)
* PHY 161, PHY 262 (PHY 262L is not required) (7 units)
* One additional upper-division ENV course (3 units)

**From:** Scott Anderson   
**Sent:** Friday, December 06, 2013 5:23 AM  
**To:** Paul Umhoefer; Stuart S Galland; Diana Frances Elder  
**Subject:** RE: BS Environmental Science Proposed changes   
**Importance:** High

My apologies to Marin on this.  In our discussions this came up, and it was an oversight on my part on the document that I sent to Scott Galland, as I did indeed intend to delete those courses per Marin's suggestion.  Scott, please do go ahead and delete those courses from our document.  Thanks, Scott

**From:** Marin Sands Robinson   
**Sent:** Friday, December 06, 2013 12:32 PM  
**To:** Stuart S Galland  
**Subject:** RE: BS Environmental Science Proposed changes

I approve the changes to the ENV CHM emphasis plan (replacing CHM 235/235L and CHM 238/238L with CHM 230/230L).

Sincerely,

Marin Sands Robinson

Chair

Chemistry and Biochemistry

**From:** Stuart S Galland   
**Sent:** Thursday, December 05, 2013 4:54 PM  
**To:** Norman J Medoff  
**Subject:** BS Environmental Science Proposed changes

HI,

This email is to notify you that the School of Environmental Sciences and Environmental Sustainability is proposing to remove/add your courses from their plan (emphasis) requirements;

* Drop CHM 235/235L and Add CHM 230, 230L
* Drop EMF 229 and Add EMF 129
* Drop JLS 431C, 482 and Add JLS 284, 335W

**From:** Stuart S Galland   
**Sent:** Wednesday, December 04, 2013 10:15 AM  
**To:** Thomas Paradis; Frederic Solop; James A Allen; Stephen Christopher Tegler; Maribeth Watwood  
**Subject:** BS Environmental Science Proposed changes

HI,

This email is to notify you that the School of Environmental Sciences and Environmental Sustainability is proposing to remove your courses from their plan requirements;

* GSP 239, 302
* POS 344, 345, 455
* FOR 370, 381, 382, 430
* PHY 2XX-4XX course
* BIO 2xx-4XX course

**From:** James A Allen   
**Sent:** Wednesday, December 04, 2013 2:34 PM  
**To:** Stuart S Galland  
**Subject:** RE: BS Environmental Science Proposed changes

Hi Scott,

Okay, thanks for letting me know.

Jim

James A. Allen, Professor and Executive Director

School of Forestry

College of Engineering, Forestry and Natural Sciences

Northern Arizona University

P.O. Box 15018

Flagstaff, AZ 86011-5018

Office Phone: 928-523-5894

Fax: 928-523-1080

[School of Forestry](http://nau.edu/cefns/forestry)

**From:** Thomas Paradis   
**Sent:** Wednesday, December 04, 2013 10:55 AM  
**To:** Stuart S Galland  
**Subject:** RE: BS Environmental Science Proposed changes

Scott, thank you for the notification on this.  Tom

**From:** Stephen Christopher Tegler   
**Sent:** Wednesday, December 04, 2013 1:00 PM  
**To:** Frederic Solop; Stuart S Galland  
**Cc:** Thomas Paradis; James A Allen; Maribeth Watwood  
**Subject:** RE: BS Environmental Science Proposed changes

Scott,  
Thanks for the message.  
Steve

Stephen C. Tegler  
Professor and Chair, Physics and Astronomy  
Northern Arizona University  
Box 6010  
Flagstaff, AZ 86011  
Phone: (928) 523-9382  
Fax:     (928) 523-1371

**From:** solop21@gmail.com [mailto:solop21@gmail.com] **On Behalf Of** Fred Solop  
**Sent:** Wednesday, December 04, 2013 10:20 AM  
**To:** Stuart S Galland  
**Cc:** Thomas Paradis; James A Allen; Stephen Christopher Tegler; Maribeth Watwood  
**Subject:** Re: BS Environmental Science Proposed changes

Thank you for the update.