## DEGREE/PROGRAM CHANGE <br> FORM C <br> Form Number: $\mathbf{C 1 5 5 8}$

## Fields marked with * are required

Name of Initiator: Roberta Vigil Email: greggy@unm.edu Phone Number:505737-6224 Date: 11-03-2014

| Associated Forms exist? | No | Initiator's Title Taos-Sr Instrctnl Sves Assoc: Taos Branch |
| ---: | :--- | ---: | :--- |
| Faculty Contact Randi Archuleta |  |  |
| Department Instruction | Administrative Contact Roberta Vigil |  |
| Branch TAOS | Admin Email greggy @unm.edu |  |

## Proposed effective term

```
    Semester Fall \ Year 2015
```


## Course Information



Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.
See current catalog for format within the respective college (upload a doc/pdf file)
AS Pre-Science 2014 Propsed Revisions.pdf AS Pre-Science 2014 Propsed Version.pdf Area of Focus Pre Science.pdf

Does this change affect other departmental program/branch campuses? If yes, indicate below.

Reason(s) for Request (enter text below or upload a doc/pdf file)
To reduce the total credit hours from 64 to 60, in alignment with Main Campus Arts \& Sciences.

Upload a document that inlcudes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

Pre-Science.pdf

Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

## - UNM taos

## University of New Mexico Taos Associate of Science in Pre-Science

## UNM-Taos reserves the right to make necessary changes as needed

This program is designed for any student interested in an advance degree that requires a set sequence of math and science courses. It has flexibility and options for changing one's mind without jeopardizing one's future. This program offers students a variety of degree pathways that lead to a Bachelor of Science degree at many four-year institutions. Along with an appropriate sequence of math and science courses, this two-year program offers a variety of courses for fulfillment of the core curriculum. It also offers Topics courses and Internships to assist students in pursuing personal interests and developing a professional portfolio. Students must see an advisor or Department Coordinator to plan sequence of courses and to be made aware of any changes in degree requirements.

9 credit hours

## Required:

Choose one (1) course from the following:
English (ENGL) 110 Accelerated Composition
English (ENGL) 111/112 Composition I/Composition II
English (ENGL) 113 Enhanced Composition

## Required:

English (ENGL) 120 Composition III

## Required:

Choose one (1) course from the UNM Core Curriculum Worksheet in Writing and Speaking (Area 1). of the following: Communication and Journalism (CJ)** any 100 or 200 level
English (ENGL) 219, 220
Philosophy (PHIL) 156

## Area 2: Mathematics

6 credit hours

Choose two (2) of the following:
Mathematics (MATH) 121, 129, 150, 162, 163, 180, 181, 215
Statistics (STAT) 145

## Area 3: Physical and Natural Sciences

8 10-12 credit hours

Choose two (2) courses and two (2) labs from the UNM Core Curriculum Worksheet in Physical and Natural Sciences (Area 3). Astronomy (ASTR) 101 \& 101L,
Biology (BIOL) 121L, 122L, 201, 203L, 204L 237, 238, 239L, 247L, 248L
Chemistry (CHEM) 121/123L, 122/124L
Earth and Planetary Science (EPS) 101/105L, 201L, 211, 225,250, 254
Environmental Science (ENVS) 10/102L
Physics (PHYC) 151/151L, 152/152L, 162/162L, 163/163L

Comment [RA1]: Opening 3 credits to the core curriculum worksheet

Formatted: Font: Not Italic
Formatted: Font: Not Italic
Formatted: Font: Not Italic

Comment [RA2]: Reduce core curriculum
requirements to closer to Gen Ed Core requirement credit hours. Require two courses and two labs for pre-science major. Overall, bring down the Gen Ed requirements and move more credit hours into the area of focus requirements

Comment [RA3]: Open options to Gen Ed Core worksheet rather than specify courses. All core curriculum courses will meet this requirement


## TOTAL CREDIT HOURS: 60 CREDIT HOURS

Comment [RA4]: Change in wording to be consistent with all UNM Taos degrees

Comment [RA5]: Change in wording to be consistent with all UNM Taos degrees

Comment [RA6]: Change in wording to be consistent with all UNM Taos degrees

Comment [RA7]: Deleting 4 credit internship requirement. Not required at main campus in lower division. Historically, an impediment for UNM Taos students for graduation. Can take as an elective if needed. 3 credit hours of this moved to electives.

## F Formatted Table

Comment [RA8]: This elective was added to accommodate the UNIV 101 requirement at UNM Taos. If student was not required to take this, the student can take an additional three credit hours in his/her Area of Focus.

## Formatted: Font: Not Bold

Formatted: Left

Pre-Science Areas of Focus
(Focus in a discipline, or course sequence leading to specific career, or transfer options, are highly recommended.)
NOTE: Specific requirements are subject to change due to state revisions, as well as changes within the Colleges. It is imperative to obtain information from the College Advisement Center and appropriate faculty advisors

| Pre-Agriculture \& Ag Education (NMSU) |
| :--- |
| Science \& Mathematics: |
| BIOL 201, 202, 203L, 204L |
| CHEM 121/123L, 122/124L |
| PHYC 151/151L |
| MATH 121, 145 |
| Core: ECON 105 or 106, CJ 130 |

Pre-Animal, Wildlife, \& Range Science (NMSU)
Science \& Mathematics:
BIOL 201, 202, 203L, 204L
CHEM 121/123L, 122/124L, 221
MATH 121 or 180, 145
Core: ECON 105

Pre-Biochemistry (UNM)
Science \& Mathematics:
BIOL 201, 202
CHEM 121/123L, 122/124L
PHYC $151 / 151$ L \& 152/152L or $160 / 160$ L \& 162/162L
MATH 162L, 163L (for BA 180, 181)

Pre-Biology (UNM)
Science \& Mathematics:
BIOL 201, 202, 203L, 204L
CHEM 121/123L, 122/124L
PHYC $151 / 151$ L \& 152/152L or $160 / 160$ L \& 162/162L
MATH 180 \& 181 or 162 L \& 163L
Pre-Astrophysics (UNM)
Science \& Mathematics:
CHEM 121/123L, 122/124L
PHYC 160/160L, 161/161L, 265L, 267
MATH 162L \& 163L

## Pre-Dental Hygiene (UNM)

Science \& Mathematics:
BIOL 123L, 237/247L, 238/248L, 239L
CHEM 121/123L, 212
NUTR 244
MATH 121, 145
Core: PSY 105, SOC 101
Revised 08/2013

Pre-Earth and Planetary Science (UNM)
Science \& Mathematics:
CHEM 121/123L, 122/124L
EPS 101/105L, 201L
PHYC 160/160L, 161/161L
MATH 162L, 163L
Pre-Emergency Medicine and Paramedic (UNM)
Science \& Mathematics:
BIOL 123/124L, 237/247L, 238/248L
CHEM 121/123L
MATH 121, 145
Core: ANTH 101 or SOC 101, CJ 130,
ENGL 219 or 220, PSY 105

Pre-Engineering (UNM)
Science \& Mathematics:
CHEM 121/123L, 122/124L
PHYC 160/160L, 161/161L, 265L, 267
MATH 162L, 163L
Pre-Environmental Science (UNM)
Science \& Mathematics:
BIOL 201, 203L
CHEM 121/123L, 122/124L
ENVS 101/102L
EPS 101/105L
PHYC 160/160L, 161/161L
MATH 162L,163L

Pre-Forestry (NMSU)
Science \& Mathematics:
BIOL 201, 202, 203L, 204L
CHEM 121/123L, 122/124L, 212
EPS 101/105L
PHYC 151/151L or 160/160L
MATH 121, 123, 180
Core: Soils \& Introduction to Plant Science
Pre-Chemistry (UNM)
Science \& Mathematics
CHEM 121/123L, 122/124L
PHYC 160/160L, 161/161L
MATH 162L \& 163
Pre-Mathematics (UNM)
Science \& Mathematics:
Science: 7-8 Credit hours (1 with lab)
MATH 162L, 163L, 264L

Pre-Mathematics Elementary Education (UNM)
Science \& Mathematics:
Science: 12 Credit hours
MATH 111, 112, 215
Other: CMTE: 4 Credit hours - 192, 291, 292, 296
Pre-Mathematics Secondary Education (UNM)
Science \& Mathematics:
Science: 12 Credit hours (1 with lab)
MATH 162L, 163L, 264L
Other: CMTE: 4 Credit hours - 192, 291, 292, 296
Pre-Medicine (UNM)
Science \& Mathematics:
BIOL201, 202, 203L, 204L
CHEM 121/123L, 122/124L
PHYC 151/151L or 161/161L
MATH 180 \& 181 or 162 L \& 163L
Pre-Medicine Lab (UNM)
Science \& Mathematics:
BIOL 201, 202, 203L, 237/247L, 238/248L, 239L
CHEM 121/123L, 122/124L, 212
MATH 121, 145
Pre-Midwifery (National College of Midwifery-Taos, NM)
Science \& Mathematics:
BIOL 123/124L, 202, 237/247L, 238/248L, 239L
NUTR 244
MATH 120,145
Pre-Nursing (For BSN at UNM)
Science \& Mathematics:
BIOL 123/124L, 237/247L, 238/248L, 239L
CHEM 121/123L
NUTR 244 MATH 120,145
Pre-Nursing (For RN at Northern CC)
Science \& Mathematics:
BIOL 123/124L, 237/237L, 238/248L, 239L
CHEM 111L or 121/123L
NUTR 120 or 244
MATH 120
Core: CS 150, ENGL 101, 102, PSY 105, 220

Pre-Horticulture and Agronomy (NMSU)
Science \& Mathematics:
BIOL 201, 202, 203L, 204L
CHEM 121/123L, 122/124L, 212
MATH 121 or 180,145
Core: Soils \& Introduction to Plant Science
Pre-Radiologic Sciences (UNM)
Science \& Mathematics:
BIOL 123/124L, 237/247L, 238/248L, 249L
CHEM 121/123L, 122/124L
PHYC 151

NUTR 244
MATH 121, 123, 145
Core: CS 150L, PSY 105, SOC 101

## Pre-Science Elementary Education (UNM)

## Science \& Mathematics:

Science: 18 Credit hours from: Biology, Chemistry, Geology, Physics, or Natural Science. 6 more hours must be at least at the 300 level or above.
Math: 9 Credit hours recommended.
K-5: MATH $121,145,180,181$;
K-8: 123, 145, 150, 162
Other: CMTE: 4 Credit hours: 192, 291, 292, 296
Pre-Science Secondary Education (UNM)
Science \& Mathematics
Physical Science: 30 Credit hours in Physics with 8 Credit
Hours in Biology, Chemistry, Earth \& Planetary Sciences and Mathematics - MATH 120, 145. Physical Chemistry: 30 Credit Hours in Chemistry with 8 Credit hours in Biology, Earth \& Planetary Sciences, Physicals and Mathematics. Life Science: 30 credit hours in Biology with 8 Credit hours in Chemistry,, Earth \& Planetary Sciences, and Mathematics. Earth Science: 30 Credit hours in Earth \& Planetary Sciences with 8 Credit hours in

Pre-Statistics (UNM) Science \& Mathematics: Science:7-8
Credit hours (1 with lab) MATH 145,162L, 163L,264L
Pre-Nursing (For RN at Luna CC)
Science \& Mathematics: BIOL 123/124L, 237/247L, 238/248L 239L
NUTR 120 or 244
MATH 120
Core: ENGL 101, PSY 105, 220
HCHS 111T Medical Terminology \& Certified Nursing Assistant Certificate

Pre-Natural Resource \& Resource Management (NMHU, NMSU, NAU)
Science \& Mathematics:
BIOL 201, 202, 203L, 204L, 225, 299
CHEM 121/123L, 122/124L, 212
ENVS 101/102L
EPS 101/105L
PHYC 151/151L, 152/152L
MATH 180or 162L
Recommended: GIS, Soils

Pre-Nutrition and Dietetics (UNM)
Science \& Mathematics:
BIOL 123/124L, 237/247L, 238/248L, 239L
CHEM 121/123L, 212
NUTR 244
MATH 121, 145
Core: CJ 130, ENGL 101, 102, 219, PSY 105

## Pre-Pharmacy (UNM)

Associate of Science in Pre-Science

Science \& Mathematics:
BIOL 201, 202, 237, 238, 239L Pre-Physician's Assistant (UNM)
CHEM 121/123L, 122/124L,
PHYC 151
MATH $145,180 \& 181$ or $162 \mathrm{~L} \& 163 \mathrm{~L}$
Core: ECON 106
Pre-Physical Therapy (UNM)
This is a graduate program. A student should follow a minimum
of the Pre-Med course sequence.

## Pre-Physics (UNM)

Science \& Mathematics: PHYC 160/160L, 265L, 267,
MATH 162L, 163L

Science \& Mathematics
BIOL 123/124L,237/247L,238/248L ,249L CHEM 121/123L
NUTR 244 Core ENGL 219,PSY 105

Pre-Veterinary Medicine (NMSU)
Science \& Mathematics: BIOL 201,202,203L, 204L
CHEM 121/123L, 122/124L, PHYC 150 or 161L
MATH 180, 181

## University of New Mexico Taos

 Associate of Science in Pre-ScienceNAME: $\qquad$ BANNER ID:
PROGRAM ENTRY DATE: $\frac{1}{\text { SEM }} \frac{1}{\text { YEAR }}$
$\square$ Area 1: Writing \& Speaking - 9 credit hours

| Course | Subject | CR HR | Grade | Semester |
| :--- | :--- | :---: | :---: | :---: |
| ENGL |  | 3 |  |  |
| $10 / 111 / 112 / 113$ |  | 3 |  |  |
| ENGL 120 | Composition III | 3 |  |  |
|  |  |  |  |  |

$\square$ Area 2: Mathematics - 6 credit hours

|  |  | 3 |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  |  | 3 |  |  |

$\square$ Area 3: Physical \& Natural Sciences - $\underline{810-12}$ credit hours

|  |  | 3 |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  |  | 1 |  |  |
|  |  | 3 |  |  |
|  |  | 1 |  |  |
|  |  | 3 |  |  |
|  |  | 1 |  |  |

$\square$ Area 4: Social \& Behavioral Sciences - 6 credit hours

$\square$ Area 5: Humanities - 6 credit hours


TOTAL CREDIT HOURS REQUIRED: $6 \underline{\mathbf{0} 4}$
Revised 03/2012
Associate of Science in Pre-Science

## University of New Mexico Taos <br> Associate of Science in Pre-Science

## UNM-Taos reserves the right to make necessary changes as needed

This program is designed for any student interested in an advance degree that requires a set sequence of math and science courses. It has flexibility and options for changing one's mind without jeopardizing one's future. This program offers students a variety of degree pathways that lead to a Bachelor of Science degree at many four-year institutions. Along with an appropriate sequence of math and science courses, this two-year program offers a variety of courses for fulfillment of the core curriculum. It also offers Topics courses and Internships to assist students in pursuing personal interests and developing a professional portfolio. Students must see an advisor or Department Coordinator to plan sequence of courses and to be made aware of any changes in degree requirements.


| Area 6: Foreign Language |
| :--- |
| One (1) course chosen from any lower division non-English language offering of the Department of Linguistics (Including Sign |
| Language), Spanish and Portuguese, Foreign Languages and Literatures, and foreign languages in other departments and programs |
| (except Latin 105). |
| Foreign Language Course: |
| Area 7: Fine Arts |
| Choose one (1) from UNM Core Curriculum Worksheet in Fine Arts (Area 7).. |
| Area of Focus |
| Elective |



Revised 10/14

2014-2015 [ASSOCIATE DEGREE IN SCIENCE: PRE- SCIENCE AREA OF FOCUS]

| PHYSICAL AND NATURAL SCIENCE DEGREES | CORE REQUIREMENTS | AREA OF FOCUS COURSES ( 14+ CREDITS) |
| :---: | :---: | :---: |
| Agriculture and Ag Education (NMSU) | CHEM 121/123L, CHEM 122/124L PHYC 151/151L <br> MATH 121, STAT 145 <br> ECON 105 OR ECON 106 <br> CJ 130 | BIOL 201, 202, 203L, 204L <br> MATH 150 <br> MATH 123 |
| Animal, Wildlife \& Range Science (NMSU) | CHEM 121/123L, CHEM 122/124L MATH 121, STAT 145 ECON 105 | BIOL 201, 202, 203L, 204L CHEM 221 MATH 180 |
| Biochemistry (UNM) | PHYC 151/151L OR PHYC 160/160L MATH 121, MATH 150 | BIOL 201, 202 <br> MATH 123, MATH 162, MATH 163L |
| Biology (UNM) | CHEM 121/123L, CHEM 122/124L PHYC 151/151L OR PHYC 160/160L MATH 121, 150 | BIOL 201, 202, 203L, 204L <br> MATH 123, 162L, 163L or 180 (BA) |
| Chemistry (UNM) | CHEM 121/123L, CHEM 122/124L PHYC 160/160L* MATH 121, 162L | MATH 123, 162 <br> PHYC 161/161L |
| Earth and Planetary Science (UNM) | CHEM 121/123L, CHEM 122/124L EPS 101/105L <br> MATH 121, 150 | PHYC 160/160L, PHYC 161/161L MATH 123, 162L, 163L |
| Engineering (including Computer Science) (UNM) | CHEM 121/123L, CHEM 122/124L PHYC 160/160L, PHYC 161/161L MATH 121, 150 | PSYC 265L, PSYC 267 CS 105L or CS 151L MATH 123, 162L, 163L |
| Environmental Science (UNM) | ENVS 101/102L or ENVS 201 <br> CHEM 121/123L, CHEM 122/124L <br> EPS 101/105L <br> MATH 121, 150 | BIO 201, 203L PSYC 160/160L, 161/161L MATH 123, 162L, 163L |
| Forestry (NMSU \& NMHU) | ```CHEM 121/123L, CHEM 122/124L EPS 101/105L MATH 121, 150``` | $\begin{aligned} & \text { BIOL 201, 202, 203L, 204L } \\ & \text { PHYC 151/151L OR PHYC 160/160L } \\ & \text { Math 123, } 180 \end{aligned}$ |
| Horticulture and Agronomy (NMSU) | CHEM 121/123L, CHEM 122/124L MATH 121, STAT 145 | BIOL 201, 202, 203L, 204L CHEM 221 <br> MATH 180 |
| Natural Resource Management (NMHU, NMSU, NAU) | CHEM 121/123L, CHEM 122/124L <br> ENVS 101/102L <br> EPS 101/105L <br> MATH 121, 150 | BIOL 201, 202, 203L, 204L <br> CHEM 212 <br> PHYC 151/151L <br> MATH 123, 180 |
| Physics (and Astrophysics) (UNM) | CHEM 121/123L, CHEM 122/124L <br> PHYC 160/160L <br> MATH 121, 150 | MATH 123, 162L, 163L PHYC 265L,267 |
| Veterinary Medicine (NMSU) | CHEM 121/123L, CHEM 122/124L PHYC 150 or 161L | BIOL 201, 202, 203L, 204L <br> MATH 123, 180, 181 |

2014-2015 [ASSOCIATE DEGREE IN SCIENCE: PRE- SCIENCE AREA OF FOCUS]

| HEALTH SCIENCE DEGREES | CORE REQUIREMENTS | AREA OF FOCUS COURSES <br> ( 14+ CREDITS) |
| :---: | :---: | :---: |
| ASN/ADN Nursing (Statewide) | BIO 123/124L <br> CHEM 111L <br> MATH 120* <br> PSY 105 | BIOL 237/247L, 238/248L PSY 220 (Life Span) HCNA 101 |
| Dental Hygiene (UNM) | BIO 123/124L <br> CHEM 121/123L <br> MATH 121, STAT 145 <br> PSY 105, SOC 101 | BIOL 237/247L, 238/248L, 239L <br> NUTR 244 <br> PHYC 151/151L |
| Diagnostic Medical Sonography (CNM) | BIO 123/124L CHEM 121/123L MATH 121, 150 | BIOL 237/247L, 238/248L MATH 123 CT 102 |
| Emergency Medicine/Paramedic (UNM) | BIO 123/124L <br> CHEM 121/123L <br> MATH 121, STAT 145 <br> PSY 105, SOC 101 or ANTH 101 | BIOL 237/247L, 238/248L $\text { EMS 113, } 142$ |
| Exercise Science (UNM) | BIO 123/124L <br> CHEM 111L <br> MATH 121, 150 and STAT 145 <br> ENGL 219 <br> PSY 105 | BIOL 237/247L, 238/248L <br> NUTR 244 <br> PHYC 151/151L or PHYC <br> MATH 123 |
| Medical Laboratory Science (UNM) | BIO 123/124L <br> CHEM 121/123L, CHEM 122/124L <br> MATH 121, STAT 145 | BIOL 237/247L, 238/248L, 239L BIOL 201, 202, 203L, 204L <br> CHEM 212 |
| Nursing (UNM) | BIO 123/124L <br> CHEM 111L <br> MATH 120* STAT 145 <br> PSY 105 | BIOL 237/247L, 238/248L, 239L <br> PSY 220 (Life Span) <br> NURS 239 <br> NUTR 244 |
| Nutrition and Dietetics (UNM) | BIO 123/124L <br> CHEM 121/123L <br> MATH 121, STAT 145 <br> CJ 130 | BIOL 237/247L, 238/248L, 239L <br> CHEM 301/303L, 302/304L <br> NUTR 244 <br> ENGL 219 |
| Occupational Therapy MA (UNM) | BIO 123/124L <br> CHEM 111L or CHEM 121/123L <br> ENGL 219 | BIOL 237/247L, 238/248L <br> NUTR 244 <br> PSY 332 <br> PSY 220 |


| HEALTH SCIENCE DEGREES | CORE REQUIREMENTS | AREA OF FOCUS COURSES ( 14+ CREDITS) |
| :---: | :---: | :---: |
| Pharmacy (UNM) | CHEM 121/123L, CHEM 122/124L BIO 123/124 <br> MATH 121, 150 | BIOL 201, 202, 203L, 204L <br> BIOL 237/247L, 238/248L, 239L <br> CHEM 301/303L, 302/304L <br> PHYC 151, 152 <br> MATH 123 |
| Physical Therapy, MA (UNM) | BIO 123/124L <br> CHEM 111L <br> MATH 121, 150 <br> PSY 105 | BIOL 237/247L, 238/248L <br> NUTR 244 <br> PHYC 151, 152 <br> MATH 123 <br> PSY 220 <br> PEP 326L |
| Physician's Assistant, MA (UNM) | $\begin{aligned} & \text { BIO 123/124L } \\ & \text { CHEM 121/123L } \\ & \text { ENGL } 219 \\ & \text { PSY } 105 \end{aligned}$ | BIOL 237/247L, 238/248L, 239L NUTR 244 |
| Pre-Medicine (UNM) | CHEM 121/123L, CHEM 122/124L MATH 121, MATH 150 | BIOL 201, 202, 203L, 204L PHYC 151/151L OR PHYC 160/160L MATH 123, 180 |
| Radiologic Sciences (UNM) | BIO 123/124L <br> CHEM 121/123L, CHEM 122/124L <br> MATH 121, STAT 145 <br> PSY 105, SOC 101 | BIOL 237/247L, 238/248L, 239L <br> NUTR 244 <br> PHYC 151 <br> MATH 123 |
| Respiratory Therapy (SFCC) | BIO 123/124L <br> CHEM 111L <br> Math 120*, STAT 145 | BIOL 237/247L, 239L |

*MATH 120 does not meet Core Curriculum requirements but is a required pre requisite for CHEM 111L

Justification for Program: To reduce the total credit hours from 64 to 60, in alignment with Main Campus.

Impact on Long-Range Planning: There is no impact on long range planning.
Budget Analysis: There are no additional budget requirements.
Faculty Workload Implications: There are no changes to faculty workload.

