San Juan College

Bachelor of Science Chemistry
### SJC CHEMISTRY (AS)

**Area I. Communications - 9 Credits**
- ENGL 111: Freshman Composition
- ENGL 211: Advanced Composition
- COMM 110: Public Speaking

**Area II. Mathematics - 4 Credits**
- MATH 188: Calculus I

**Area III. Lab Science - 8 Credits**
- CHEM 111: General Chemistry I
- CHEM 112: General Chemistry II

**Area IV. Social/Behavioral Sciences - 6-9 Credits**
- ECON 251, 252: Economics
- GEOG 145: Human Geography
- POLS 110, 250: Political Science
- PSYC 120: Introduction to Psychology
- SOCI: Sociology 110, 210, or 215
- ANTH: Anthropology 110, 210, 211, or 215

**Area V. Humanities and Fine Arts - 6-9 Credits**
- HIST: 121, 122, 211, or 212
- PHIL: 110 or 115
- ENGL: Literature 251, 252, 261, 202, 245, 230, or 235
- ARTS 110: Orientation in Art
- MUSI: Music 110, 111, 112, 114, 115, 130, or 131
- THEA 110, 120: Theatre
- NAVA 111, 112: Navajo
- SPAN 111, 112: Spanish

**Additional AS Degree Program Requirements - 33 Credits**
- MATH 189: Calculus II
- CHEM 251: Organic Chemistry I
- CHEM 252: Organic Chemistry II
- CHEM 281: Analytical Chemistry
- PHYS 215: Engineering Physics I
- PHYS 216: Engineering Physics II
- COSC 116 or 118:Spreadsheet OR Programming Fund 1 w/C++
- Elective: MATH 268

### NMHU CHEMISTRY (BS)

SJC students who earn the Chemistry (AS) degree as prescribed in this document will be admitted to NMHU as Juniors in the Chemistry (BS) degree program. Furthermore, the additional NMHU core curriculum requirements and minor requirement, if any, are waived. Students who transfer to the NMHU main campus and complete the curriculum listed below will be awarded a Bachelor of Science Degree in Chemistry from NMHU. All other requirements have been accepted in transfer or waived. Upon completion of the requirements specified within this agreement, students will have earned a SJC AS degree and a NMHU BS degree in Chemistry. Any deviation from this prescribed agreement will require appropriate approval from SJC and/or NMHU.

**NMHU Chemistry Basic Requirements - 30 Credits**
- CHEM 321: Quantitative Chemistry
- CHEM 322: Instrumental Analysis
- CHEM 371: Physical Chemistry I
- CHEM 481: Biochemistry I
- CHEM 495: Senior Chemistry Applications
- CHEM 317: Physical Chemistry Lab I
- CHEM 372: Physical Chemistry II
- CHEM 461: Inorganic Chemistry
- CHEM Elective: CHEM 441, 442, 450, 455, 462, 473, 482, 499

**NMHU Additional Requirements - 15 Credits**
- MATH 273: Calculus III
- MATH 320: Linear Algebra
- Elective: Upper Division Elective

**SJC Total AS Chemistry Requirements**
- 68

**NMHU BS Chemistry Requirements**
- 45

**Electives (at any level) from either SJC or NMHU**
- 7

**Overall SJC (AS) / NMHU (BS) Chemistry Degree Requirements**
- 120

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**SIGNATURES / DATE**

This agreement shall be subject to revision, modification, or renewal by mutual arrangement on an as needed basis. Either party may terminate the agreement by written notice submitted at least 90 days in advance of the next academic semester. Termination shall not affect students already engaged in the exchange.

**San Juan College**
- [Signature]
- [May 1, 2015]
- Program Representative

**New Mexico Highlands University**
- [Signature]
- [May 1, 2015]
- Program Representative

**San Juan College**
- [Signature]
- [May 1, 2015]

**New Mexico Highlands University**
- [Signature]
- [May 1, 2015]