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**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)**

**SUBMITTED BY:**

Department	Chemistry and Biochemistry	College/School	CNSM
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See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes

**PROGRAM IDENTIFICATION:**

DEGREE PROGRAM	Chemistry
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	B.S. and B.A.

Environmental Chemistry and related disciplines. The degree program is designed to provide

students with comprehensive training in the chemical sciences with the interdisciplinary components to be listed

requirements, complete: MATH F200X; PHYS F103X and PHYS F104X, or PHYS F211X and PHYS F212X.)

Complete the B.S. degree requirements (A part of the B.S. degree complete: MATH

or CHEM F451--General Biochemistry Metabolism--3 credits  
CHEM F481--Seminar--1 credit  
CHEM F482O--Seminar--2 credits  
CHEM F488--Undergraduate Chemistry and Biochemistry Research (3)--3 credits  
Major elective (approved by department head)\*\*\*--6 credits

ENVE F458--Energy and the Environment--3 credits  
NRM F380W--Soils and the Environment--3 credits  
ATM F401--Introduction to Atmospheric Science--3 credits  
CHEM F402--Advanced Inorganic Chemistry--3 credits

or later for licensure in chemistry.

Minor

Chemistry

1. Complete the following:  
CHEM F105X--General Chemistry I--4 credits  
CHEM F106X--General Chemistry II--4 credits

chemistry graduates elect to pursue advanced M.S., Ph.D., pharmacology or M.D. degrees.

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~~CHEM F413W Analytical Instrumental Laboratory 3 credits~~

~~CHEM F434W Instrumental Methods in Physical Chemistry 3 credits~~

~~CHEM F481 Seminar 1 credit~~

~~CHEM F482O Seminar 2 credits~~

~~9. Complete the following:~~

~~MATH F202X Calculus 4 credits~~

~~10. Minimum ...~~



~~CHEM F105X General Chemistry 4 credits~~

~~CHEM F106X General Chemistry 4 credits~~

~~CHEM F212 Chemical Equilibrium and Analysis 4 credits~~

13. Complete two of the following exercises.



Minimum Requirements for Degrees: 120 credits

Graduates qualify for employment as teachers of chemistry; supervisors in industry; technical

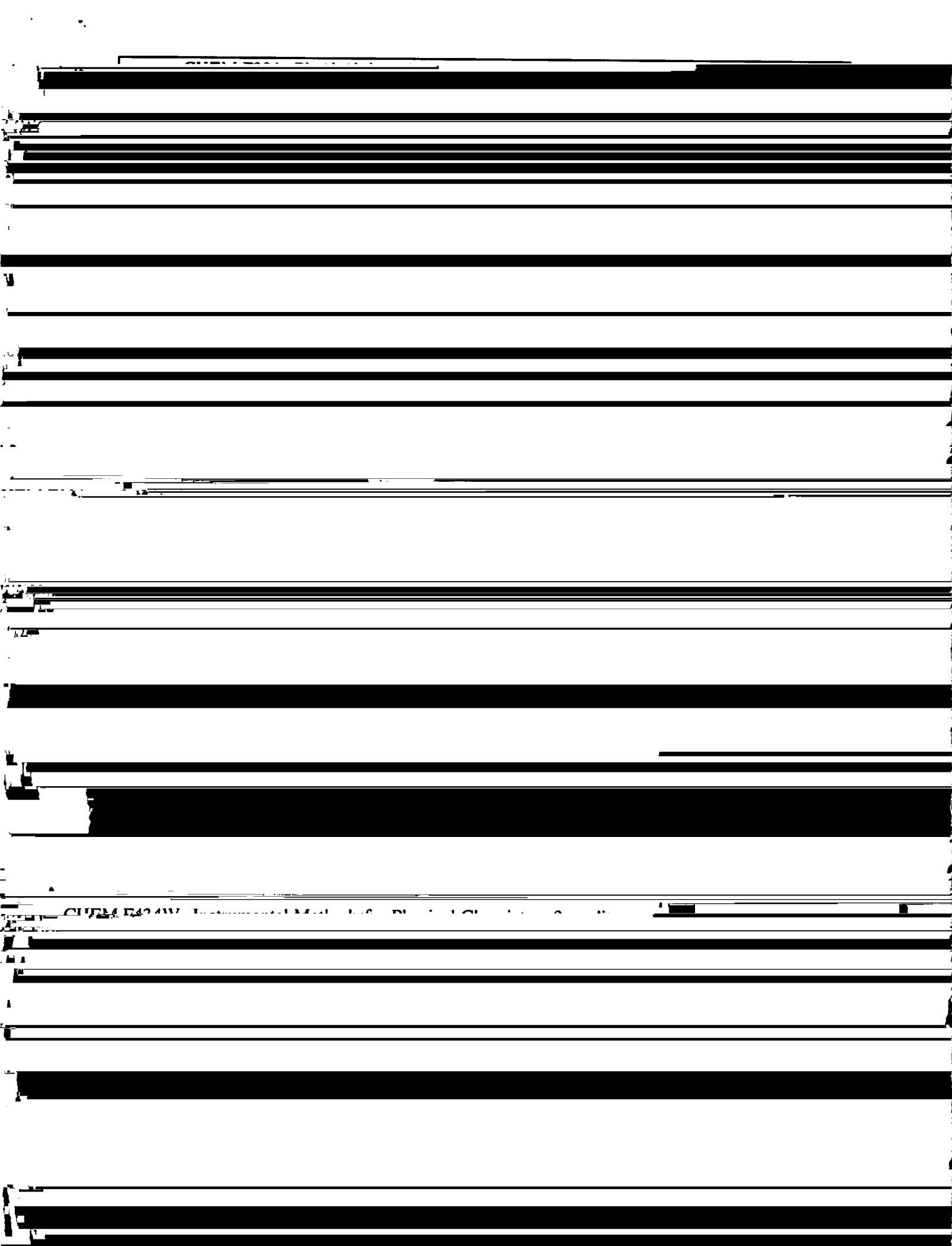
**4. Minimum credits required--120 credits**

**\* Student must earn a C grade or better in each course.**

**Note: This degree does not encompass the depth required to be an ACS-approved Chemistry degree. Students taking this course will not receive a certificate from ACS. Students intending to continue in Chemistry or Biochemistry careers or graduate studies should select a B.S. degree program.**

**Concentration: Forensic Chemistry**

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CUTM 7424W

5. Completion of the following advanced placement

1-

NRMF380W - Soils and the Environment - 3 credits





1. Complete the following foundation courses:

PHYSICS 8, CHEMISTRY 101, ENGLISH 101

