

04-16a-h

Withdrawn 2/1/05

b. Catalog Description Change

Current Catalog Description Change:

Degrees offered by the Department of Chemistry are the Bachelor of Science degree in Chemistry, the Bachelor of Arts degree in Chemistry, and the Bachelor of Science in

Science and Mathematics, and the third is under the College of Education and Educational Technology. The department offers a formal pre-medical concentration in the B.A.

specified coursework and the requirements of the teacher certification process, the student is eligible for Pennsylvania certification by the Pennsylvania Department of Education. Additionally, the curriculum in this degree program is designed so that students have the opportunity to obtain a B.S. Ed.-Chemistry degree certified by the American Chemical

Society.

Proposed Catalog Description Change:

Degrees offered by the Department of Chemistry are the Bachelor of Science in Chemistry, the Bachelor of Arts in Chemistry, and the Bachelor of Science in Education with a Chemistry major. The first two degrees are under the College of Natural Science and Mathematics, and the third is under the College of Education and Educational Technology. The department offers formal pre-medical minor program in both the B.S. and B.A. curricula, and preparatory programs for other professional schools can be developed for either degree. The department also offers a Chemistry minor.

The curriculum leading to the B.S. in Education with a Chemistry major is designed to prepare the student to teach chemistry at the secondary school level. Upon completion of the

specified coursework and the requirements of the teacher certification process, the student is

Current Program:
Bachelor of Science—Chemistry

Proposed Program:
Bachelor of Science--Chemistry

Liberal Studies: As outlined in Liberal Studies section with the following specifications:

49 **Liberal Studies:** As outlined in Liberal Studies section with the following specifications:

Mathematics: MATH 123

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Natural Sciences: DIVS 121, 141 and 122, 142

Natural Sciences: DIVS 121, 141 and 122, 142

Liberal Studies Electives: 3cr, no courses with CHEM prefix

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Major:

45

Major:

45

Required Courses:

Required Courses:

CHEM 113 Concepts in Chemistry I 4cr

CHEM 113 Concepts in Chemistry I (1) 4cr

CHEM 114 Concepts in Chemistry II 4cr (1)

CHEM 114 Concepts in Chemistry II (1) 4cr

CHEM 214 Intermediate Inorganic Chemistry 3cr

CHEM 214 Intermediate Inorganic Chemistry 3cr

CHEM 231 Organic Chemistry I 4cr
CHEM 232 Organic Chemistry II 4cr

CHEM 231 Organic Chemistry I 4cr
CHEM 232 Organic Chemistry II 4cr

CHEM 301 Introduction to Chemical Research 1cr
CHEM 321 Quantitative Analysis 4cr
CHEM 322 Instrumental Analysis 4cr
CHEM 341 Physical Chemistry I 4cr
CHEM 342 Physical Chemistry II 3cr
CHEM 343 Physical Chemistry Laboratory I 1cr
CHEM 344 Physical Chemistry Laboratory II 1cr
CHEM 410 Advanced Inorganic Chemistry 1cr

CHEM 301 Introduction to Chemical Research 1cr
CHEM 321 Quantitative Analysis 4cr
CHEM 322 Instrumental Analysis 4cr
CHEM 341 Physical Chemistry I 4cr
CHEM 342 Physical Chemistry II 3cr
CHEM 343 Physical Chemistry Laboratory I 1cr
CHEM 344 Physical Chemistry Laboratory II 1cr
CHEM 410 Advanced Inorganic Chemistry 1cr

04-16b

Current Program:
Bachelor of Arts - Chemistry

Proposed Program:
Bachelor of Arts - Chemistry

Section with the following specifications:

Studies section with the following specifications: