

**EAST CENTRAL UNIVERSITY
CHEMISTRY - B.S.
BIOCHEMISTRY
CONCENTRATION 0103/UG19**

Name

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____
Required:
 124 total hours _____ completed
 30 hrs @ ECU _____ completed
 (15 of last 30 must be at ECU) _____
 60 hrs @ Sr College _____ completed
 40 hrs upper level _____ completed
 HS Curricular Req ___ met ___ not met

Work in progress _____
 2.0 minimum required in the following
 areas:
 ECU Avg _____ Rtn Avg _____
 Major Overall Avg _____
 Major ECU Avg _____
 Minor Overall Avg _____

Work lacking:
 Major _____ (inc A/C and Related Work)
 Minor _____ (incl Rel Wk)
 Prof Educ _____
 General Educ _____
 Comp Prof ___ met ___ not met

REQUIREMENTS

HOURS

REQUIREMENTS

HOURS

I. General Education (44 HOURS)

11 hours (BIOL 1114, CHEM 1114, and MATH 1513) counted in the Major

Other hours needed **33**

II. Major in Chemistry-

A. Required General Education **4**
 ___ CHEM 1114 General Chemistry I

B. Required in the Chemistry Core **16**
 ___ CHEM 1214 General Chemistry II
 ___ CHEM 3114 Organic Chemistry I
 ___ CHEM 3214 Quantitative Analysis
 ___ CHEM 4114 Organic Chemistry II

C. Required in the Biochemistry Major **18**
 ___ CHEM 3484 Instrumental Analysis
 ___ CHEM 4213 Biochemistry
 ___ CHEM 4221 Biochemistry Laboratory
 ___ CHEM 4413 Adv. Inorganic Chemistry
 ___ CHEM 4514 Physical Chemistry I
 ___ CHEM 4523 Advanced Biochemistry

D. Recommended Electives
 ___ CHEM 4421 Advanced Inorganic Chemistry Lab
 ___ CHEM 4531 Advanced Biochemistry Lab
 ___ CHEM 4981-4 Seminar in Chemistry
 (Subject named in title listing)
 ___ CHEM 4991-4 Individual Study in Chemistry
 (Subject named in title listing)

III. Related Work **37-45**

A. Required General Education **7**
 ___ BIOL 1114 General Biology
 ___ MATH 1513 College Algebra

B. Required Related Work **33-38**

- ___ BIOL 1314 General Zoology **OR**
- ___ BIOL 2344 General Microbiology
- ___ BIOL 2184 Human Anatomy
- ___ BIOL 3634 Human Physiology
- ___ BIOL 4313 Cell and Molecular Biology
- ___ BIOL 4545 Advanced Molecular Biology
- ___ MATH 1713 Trigonometry
- ___ MATH 2825 Calculus & Analytic Geometry I
- ___ PHYS 1114 General Physics I **OR**
- ___ PHYS 2115 Engineering Physics I
- ___ PHYS 1214 General Physics II
- ___ PHYS 2225 Engineering Physics II

IV. Minor (Not Required)

V. Electives **8-16**

Appropriate choice of electives could lead to a minor in Biology, Mathematics or Physics. See catalog for minor requirements.

VI. Total Hours Required **124**

VII. Special Requirements

“Teachers” or “methods” courses do not count in the major.

With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.

The OSRHE computer proficiency graduation requirement will be met through completion of one of the courses in the institution’s general education computer literacy option (including equated or substituted courses) or testing out of the challenge exam for one of these courses (all courses may not have challenge exams), **OR** successful completion of an Associate of Arts or Associate of Science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.
