

# SOUTHERN UTAH UNIVERSITY

## Walter Maxwell Gibson College of Science & Engineering

### BS in Chemistry/Forensics (2013-2014)

#### GENERAL EDUCATION (CORE COURSE REQUIREMENTS)

**English Requirements (C): (6)**

- \_\_ ENGL 1010
- \_\_ ENGL 2010

**Quantitative Literacy Requirements (C): (4)**

- \_\_ MATH 1210 (*Must Take*)
- Pre-req: MATH 1050 & 1060 or H.S. background*

**Information Literacy Requirement (C): (1)**

- \_\_ LM 1010

**Computer Literacy Requirement (C): (3)**

- \_\_ CSIS 1000

**American Institutions Requirement (I): (3)**

- \_\_ HIST 1700 *or* POLS 1100 *or* ECON 1740

#### GENERAL EDUCATION (KNOWLEDGE AREA REQUIREMENTS)

**Fine Arts (F): (3)**

- \_\_ Select one

**Humanities (H): (3)**

- \_\_ Select one

**Social and Behavioral Sciences (S): (3)**

- \_\_ CJ 1010 (*Must Take*)

**Life Science (L): (4)**

- \_\_ BIOL 1610/1615 (*Must Take*)

**Physical Science (P): (5)**

- \_\_ CHEM 1210/1215 (*Must Take*)
- Pre-req: MATH 1050 or 2 yrs H.S. Algebra*

**TOTAL: 35 CREDITS**

#### EDGE PROGRAM (3 CREDITS)

- \_\_ UNIV 1010 – EDGE Program Introduction (1)
- \_\_ UNIV 3925 – EDGE Project Proposal (1)
- \_\_ UNIV 4925 – EDGE Program Completion (1)

Students will choose one of five tracks to work in to complete this requirement. These include Global, Community, Leadership, Outdoor, & Creativity and Innovation

#### CHEMISTRY - FORENSICS REQUIREMENTS (78 CREDITIS)

- \_\_ CHEM 1220/1225 Principles of Chemistry II/Lab (5) (S/M)
- Pre-req: C or better in CHEM 1210/1215*

- \_\_ CHEM 2310/2315 Organic Chemistry I/Lab (5) (F/M)
- Pre-req: C or better in CHEM 1220/1225*

- \_\_ CHEM 2320/2325 Organic Chemistry II/Lab (5) (S/M)
- Pre-req: C or better in CHEM 2310/2315*

- \_\_ CHEM 3000/3005 Quantitative Analysis/Lab (4) (F)
- Pre-req: C or better in CHEM 1220/1225*

- \_\_ CHEM 4110 Biochemistry I (4) (F)
- Pre-req: C or better in CHEM 2320/2325 & 1620/1625*

- \_\_ CHEM 4120 Biochemistry II (4) (S)
- Pre-req: C or better in CHEM 4110*

- \_\_ CHEM 4230 Instrumental Analysis (3) (S even)
- Pre-req: C or better in CHEM 3000/3005 or CHEM 3620/3625*

- \_\_ CHEM 4240 Analysis Lab (2) (S)
- Pre-req: CHEM 4230, can be taken concurrently*

- \_\_ CHEM 4540 Selected Topics (Qual. Analysis) (3) (TBA)
- Pre-req: Instructor Permission*

- \_\_ CHEM 4990 Chemistry Literature/Seminar (1) (S)
- Pre-req: C or better in CHEM 2320 & any upper-division CHEM*

- \_\_ MATH 1040 Statistics (4) (F/S/M)
- Pre-req: C or better in MATH 1010 or ACT 23+within last 2 years*

- \_\_ MATH 1220 Calculus II (4) (F/S)
- Pre-req: C or better in MATH 1210 or AP Calculus Exam*

- \_\_ PHYS 2210/2215\* Physics for Scientists & Eng. I/Lab (5) (F/S)
- Pre-req: MATH 1210; co-req MATH 1220 & PHYS 2230 rec.*

- \_\_ PHYS 2220/2225 Physics for Scientists & Eng. II/Lab (5) (F/S)
- Pre-req: PHYS 2210/2215 & MATH 1220; co-req PHYS 2260 rec.*

- \_\_ BIOL 1620/1625 General Biology II/Lab (4) (F/S)
- Pre-req: BIOL 1610/1615*

- \_\_ BIOL 3060/3065 Genetics/Lab (4) (F/S)
- Pre-req: BIOL 1620/1625, MATH 1050, & CHEM 1110/115 or CHEM 1210/1215*

- \_\_ BIOL 3310/3315 Cell & Molecular Biology/Lab (4) (S)
- Pre-req: BIOL 3060/3065*

#### CHEMISTRY - FORENSICS REQUIREMENTS (CON'T)

- \_\_ CJ 1340 Criminal Investigation (3) (F)

- \_\_ CJ 1350 Introduction to Forensic Science (3) (F)

- \_\_ CJ 2350 Laws of Evidence (3) (F)
- Pre-req: CJ 1010*

- \_\_ CJ 3100 Advanced Criminalistics (3) (S)
- Pre-req: CJ 1010, CJ 1340, & CJ 1350*

#### ELECTIVE COURSES (6 UPPER DIVISION CREDITS)

- \_\_ Elective (any discipline)

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#### BACHELOR OF SCIENCE DEGREE REQUIREMENTS (12 CREDITS)

Students must take at least 12 credits of mathematics/ laboratory science courses. These are generally fulfilled by your degree requirements.

#### ADDITIONAL INFORMATION

**Students must complete all coursework with a C grade or above.**

**A minor is not required.**

**Courses over 10 years old will not be accepted.**

**All Chemistry majors must successfully complete an exit exam before graduation.**

**Students must have 120 total credits/ 40 upper-division credits to graduate.**

**F:** Fall courses

**S:** Spring courses

**M:** Maymester/Summer courses

**Pre-Requisites and the semester that courses are offered are subject to change. Please check the current catalog for updates.**

