I. GENERAL EDUCATION CURRICULUM

CHE 1101, 1110, 1102, 1120, and MAT 1110 will fulfill General Education requirements. Some other general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

II. MAJOR REQUIREMENTS (Not including 15 s.h. already counted in I, above)

2.0 major GPA is required for graduation. Major GPA calculation includes all courses in the major department, plus any other courses under II.

A. Fermentation Science (18 semester hours)
   - FER 1000 _____ (3) Principles of Fermentation Sciences
   - FER 2000 _____ (1) Social Implications of Fermented Beverages
   - FER 3200 _____ (3) Facility Design and Operation [WID] (Pre: RC 2001)
   - FER 4300 _____ (3) Sensory Analysis of Wine and Beer [CAP] (Pre: FER 3200, 4100 or FER/CHE 4200, STT 2810)

   Choose two of the following:
   - FER 3000 _____ (4) Viticulture: Vine Physiology and Vineyard Establishment (Pre: BIO 1801)
   - FER 4100 _____ (4) Wine Production and Analysis (Pre: CHE 2210 & 2211)
   - CHE/FER 4200 _____ (4) Brewing Science and Analysis (Pre: CHE 2210 & 2211)

B. Chemistry (19 semester hours)
   - CHE 1101/1110_____ (4) Introductory Chemistry I & Introductory Chemistry I Lab
   - CHE 1102/1120_____ (4) Introductory Chemistry II & Introductory Chemistry II Lab (Pre: CHE 1101 & 1110)
   - CHE 2101 _____ (3) Fundamentals of Organic Chemistry (Pre: CHE 1102 & 1120; Co: CHE 2102)
   - CHE 2102 _____ (1) Fundamentals of Organic Chemistry Lab (Pre: CHE 1102 & 1120; Co: 2101)
   - CHE 2210 _____ (3) Quantitative Analysis (Pre: CHE 1102 & 1120; Co: CHE 2101)
   - CHE 2211 _____ (1) Quantitative Analysis Lab (Co: CHE 2210)
   - CHE 4580 _____ (3) Biochemistry I (Pre: CHE 2101 or 2202)

C. Biology (11 semester hours)
   - BIO 1801 _____ (4) Biological Concepts I (Co: CHE 1101)
   - BIO 2600 _____ (3) Cell Biology (Pre: BIO 1801, CHE 1102)
   - BIO 3308 _____ (4) Microbiology (Pre: CHE 1102 & 1120; BIO 1801; 2400/2600/2700)

D. Mathematics and Economics (10 semester hours)
   - MAT 1110 _____ (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade of C-)
   - STT 2810 _____ (3) Introduction to Statistics (Pre: MAT 1010 or higher)
   - ECO 2030 _____ (3) Principles of Microeconomics (may be used in Gen Ed depending on choices)

E. Focus area courses (12 - 14 semester hours)
   - NUT 1202 _____ (3) Basic Food Science AND NUT 3210_____ (3) Beverage Management

   Choose two of the following:
   - SD 3100 _____ (3) Principles of Agroecology
   - SD 4200 _____ (4) Ecologically-Based Pest Mgmt (Pre: SD 3100) TEC 3605____ (3) Sustainable Resrce Mgmt (Pre: TEC 2029)
   - TEC 3606 _____ (3) Sust Water & Wastewater Tech (Pre: TEC 2029) TEC 4700_____ (3) Biofuels Tech (Pre: TEC 3638; Sr. stndg)

F. Business courses (15 semester hours)
   - BUS 1050 _____ (3) Introduction to Business
   - ENG 3700 _____ (3) Technical Writing [WID-ENG] (Pre: ENG 2001, 3090) MKT 3050____(3) Principles of Marketing (Pre: ECO 2030; 54 earned hours)

   Choose one of the following:
   - HOS 2000 _____ (3) Survey of the Hospitality & Tourism Industry
   - ENT 3060 _____ (3) Opportunity & Entrepreneurship (Pre: 54 earned hours)

   - MGT 3170 (3) Creativity & Design (Pre: MGT 3060), ENT 3190 (3) Int’l Entrepreneurship (Pre: ENT 3060), ENT 4650 (3) Venture Creation (Pre: FIN 3680; ENT 3060; MGT 3050; “C” in WID), CHE 2526 (1) Chemical Safety (Pre: 1101/1110), HOS 3700 (3) Hospitality Management Operations I (Pre: HOS 2000), HOS 4040 (3) Destination Management (Pre: WID w/min grade C)

III. MINOR (optional)

Students are encouraged to pursue a minor in one of the following areas: Chemistry, Biology, Marketing, or Entrepreneurship.

IV. ELECTIVES (taken to total 122 hours for the degree)

2 semester hours of free electives must be outside the major discipline.

Electives recommended by department: (Pre all 3000-level: 54 earned hours; Pre all 4000-level: 84 earned hours)