I. GENERAL EDUCATION CURRICULUM

CHE 1101, 1110, 1102, and 1120 will fulfill the Science Inquiry Perspective. MAT 1110 will fulfill Quantitative Literacy. ECO 2030 may be used to meet Gen Ed Perspectives.

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
FER 4300 _____ (3) Sensory Analysis of Wine and Beer (Pre: FER 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: CHE 2101)
CHE 2210 _____ (3) Quantitative Analysis (Pre: CHE 1102/1120; Co: CHE 2211)
CHE 2211 _____ (1) Quantitative Analysis Lab (Co: CHE 2210)

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)

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)
ECO 2030 _____ (3) Principles of Economics – Price Theory (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 _____ (4) Principles of Agroecology S D 3150 _____ (4) Soil & Soil Fertility Management
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 2601 & 3638)

F. Business courses (15 semester hours)

BUS 1050 _____ (3) Introduction to Business ACC 1050 ____ (3) Survey of Accounting
ENG 3700 _____ (3) Technical Writing (Pre: ENG 3090 or 3100) MKT 3050 _____ (3) Principles of Marketing (Pre: ECO 2030)

Choose one of the following:
HOS 2000 _____ (3) Survey of the Hospitality & Tourism Industry MGT 3010_____ (3) Survey of Management
MGT 3060 _____ (3) Opportunity & Entrepreneurship

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.