

# North Carolina Community College

## **FERMENTATION SCIENCES 44 Hour Core Check sheet**

*This guide will assist you in your course selections to complete the 44 Hour Core and Fermentation Sciences Pre-requisite courses at a North Carolina Community College. The large **bold type** courses will dually fulfill requirements. Check with your community college to determine if there are specific institutional requirements to complete the 44 Hour Core. A grade of "C" or better is required in all coursework.*

### **ENGLISH COMPOSITION (6 SH)**

\_\_\_ ENG 111 Expository Writing

### **AND ONE OF THE FOLLOWING:**

\_\_\_ ENG 112 Argument-Based Research

\_\_\_ ENG 113 Literature-Based Research

\_\_\_ ENG 114 Prof. Research/Reporting

### **HUMANITIES/FINE ARTS (9 SH)**

**Select 3 courses from at least 3 prefix areas: one ENGLISH LITERATURE course is required.**

\_\_\_ ENG 131 Intro to Literature

\_\_\_ ENG 231 American Literature I

\_\_\_ ENG 232 American Literature II

\_\_\_ ENG 233 Major American Writers

\_\_\_ ENG 241 British Literature I

\_\_\_ ENG 242 British Literature II

\_\_\_ ENG 243 Major British Writers

\_\_\_ ENG 251 Western World Lit I

\_\_\_ ENG 252 Western World Lit II

\_\_\_ ENG 261 World Literature I

\_\_\_ ENG 262 World Literature II

\_\_\_ ART 111 Art Appreciation

\_\_\_ ART 114 Art History Survey I

\_\_\_ ART 115 Art History Survey II

\_\_\_ ART 116 Survey of American Art

\_\_\_ ART 117 Non-Western Art History

\_\_\_ ASL 111 Elementary ASL I

\_\_\_ ASL 112 Elementary ASL II

\_\_\_ ASL 211 Intermediate ASL I

\_\_\_ ASL 212 Intermediate ASL II

### **COM-ONLY ONE MAY BE SELECTED**

\_\_\_ COM 110 Intro to Communication

\_\_\_ COM 120 Interpersonal Com

\_\_\_ COM 140 Intro Intercultural Com

\_\_\_ COM 231 Public Speaking

\_\_\_ DAN 110 Dance Appreciation

\_\_\_ DAN 211 Dance History I

\_\_\_ DAN 212 Dance History II

\_\_\_ DRA 111 Theatre Appreciation

\_\_\_ DRA 112 Literature of the Theatre

\_\_\_ DRA 115 Theatre Criticism

\_\_\_ DRA 122 Oral Interpretation

\_\_\_ DRA 126 Storytelling

\_\_\_ DRA 211 Theatre History I

\_\_\_ DRA 212 Theatre History II

\_\_\_ HUM 110 Technology & Society

\_\_\_ HUM 115 Critical Thinking

\_\_\_ HUM 120 Cultural Studies

\_\_\_ HUM 121 Nature of America

\_\_\_ HUM 122 Southern Culture

\_\_\_ HUM 123 Appalachian Culture

\_\_\_ HUM 130 Myth in Human Culture

\_\_\_ HUM 150 American Women Studies

\_\_\_ HUM 160 Introduction to Film

\_\_\_ HUM 161 Advanced Film Studies

\_\_\_ HUM 211 Humanities I

\_\_\_ HUM 212 Humanities II

\_\_\_ HUM 220 Human Values/Meaning

\_\_\_ MUS 110 Music Appreciation

\_\_\_ MUS 112 Introduction to Jazz

\_\_\_ MUS 113 American Music

\_\_\_ MUS 114 Non-Western Music

\_\_\_ MUS 115 Orchestral Music

\_\_\_ MUS 210 History of Rock Music

\_\_\_ MUS 211 History of Country Music

\_\_\_ MUS 212 American Musical Theatre

\_\_\_ MUS 213 Opera & Musical Theatre

\_\_\_ PHI 210 History of Philosophy

\_\_\_ PHI 215 Philosophical Issues

\_\_\_ PHI 220 Western Philosophy I

\_\_\_ PHI 221 Western Philosophy II

\_\_\_ PHI 230 Intro to Logic

\_\_\_ PHI 240 Intro to Ethics

\_\_\_ REL 110 World Religions

\_\_\_ REL 111 Eastern Religions

\_\_\_ REL 112 Western Religions

\_\_\_ REL 211 Intro to Old Testament

\_\_\_ REL 212 Intro to New Testament

\_\_\_ REL 221 Religion in America

\_\_\_ ARA 111 Elementary Arabic I

\_\_\_ ARA 112 Elementary Arabic II

\_\_\_ ARA 211 Intermediate Arabic I

\_\_\_ ARA 212 Intermediate Arabic II

\_\_\_ CHI 111 Elementary Chinese I

\_\_\_ CHI 112 Elementary Chinese II

\_\_\_ CHI 211 Intermediate Chinese I

\_\_\_ CHI 212 Intermediate Chinese II

\_\_\_ FRE 111 Elementary French I

\_\_\_ FRE 112 Elementary French II

\_\_\_ FRE 211 Intermediate French

\_\_\_ FRE 212 Intermediate French II

\_\_\_ GER 111 Elementary German I

\_\_\_ GER 112 Elementary German II

\_\_\_ GER 211 Intermediate German I

\_\_\_ GER 212 Intermediate German II

\_\_\_ ITA 111 Elementary Italian I

\_\_\_ ITA 112 Elementary Italian II

\_\_\_ ITA 211 Intermediate Italian I

\_\_\_ ITA 212 Intermediate Italian II

\_\_\_ JPN 111 Elementary Japanese I

\_\_\_ JPN 112 Elementary Japanese II

\_\_\_ JPN 211 Intermediate Japanese I

\_\_\_ JPN 212 Intermediate Japanese II

\_\_\_ LAT 111 Elementary Latin I

\_\_\_ LAT 112 Elementary Latin II

\_\_\_ LAT 141 Culture/Civilization

\_\_\_ LAT 142 Lit/Roman Republic

\_\_\_ LAT 211 Intermediate Latin I

\_\_\_ LAT 212 Intermediate Latin II

\_\_\_ LAT 231 Reading/Composition

\_\_\_ LAT 232 Imperial Literature

\_\_\_ POR 111 Elementary Portuguese I

\_\_\_ POR 112 Elementary Portuguese II

\_\_\_ POR 211 Intermediate Portuguese I

\_\_\_ POR 212 Intermediate Portuguese II

\_\_\_ RUS 111 Elementary Russian I

\_\_\_ RUS 112 Elementary Russian II

\_\_\_ RUS 211 Intermediate Russian I

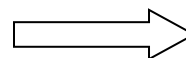
\_\_\_ RUS 212 Intermediate Russian II

\_\_\_ SPA 111 Elementary Spanish I

\_\_\_ SPA 112 Elementary Spanish II

\_\_\_ SPA 211 Intermediate Spanish I

\_\_\_ SPA 212 Intermediate Spanish II



**SOCIAL/BEHAVIOR SCIENCES (9 SH)**

Select 3 courses from at least 3 prefix areas: one HISTORY course is required.

- \_\_\_ HIS 111 World Civilizations I
- \_\_\_ HIS 112 World Civilizations II
- \_\_\_ HIS 114 Comparative World History
- \_\_\_ HIS 115 Intro to Global History
- \_\_\_ HIS 121 Western Civilization I
- \_\_\_ HIS 122 Western Civilization II
- \_\_\_ HIS 131 American History I
- \_\_\_ HIS 132 American History II

- \_\_\_ ANT 210 General Anthropology
- \_\_\_ ANT 220 Cultural Anthropology
- \_\_\_ ANT 221 Comparative Cultures
- \_\_\_ ANT 230/A Physical Anthropology
- \_\_\_ ANT 240 Archaeology

- \_\_\_ ECO 151 Survey of Economics
- \_\_\_ **ECO 251 Princ. of Micro**
- \_\_\_ ECO 252 Princ. of Macroeconomics

- \_\_\_ GEO 111 World Regional Geography
- \_\_\_ GEO 112 Cultural Geography
- \_\_\_ GEO 113 Economic Geography
- \_\_\_ GEO 130 Gen. Phys. Geography

- \_\_\_ POL 110 Intro to Political Science
- \_\_\_ POL 120 American Government
- \_\_\_ POL 210 Comparative Government
- \_\_\_ POL 220 International Relations

- \_\_\_ PSY 150 General Psych
- \_\_\_ PSY 237 Social Psychology
- \_\_\_ PSY 239 Psychology of Personality
- \_\_\_ PSY 241 Dev Psychology
- \_\_\_ PSY 281 Abnormal Psychology

- \_\_\_ SOC 210 Intr to Sociology
- \_\_\_ SOC 213 Sociology of the Family
- \_\_\_ SOC 220 Social Problems
- \_\_\_ SOC 225 Social Diversity
- \_\_\_ SOC 230 Race and Ethnic Relations
- \_\_\_ SOC 240 Social Psychology

**NATURAL SCIENCE (12 SH)**

**SELECT THREE:**

- \_\_\_ AST 111/A Descriptive Astronomy
- \_\_\_ AST 151/A General Astronomy I
- \_\_\_ AST 152/A General Astronomy II
  
- \_\_\_ BIO 110 Principles of Biology
- \_\_\_ **BIO 111 General Biology I**
- \_\_\_ BIO 112 General Biology II
- \_\_\_ BIO 120 Introductory Botany
- \_\_\_ BIO 130 Introductory Zoology
- \_\_\_ BIO 140/A Environmental Biology

- \_\_\_ CHM 131/A Intro to Chemistry
- \_\_\_ CHM 132 Organic/Biochemistry
- \_\_\_ CHM 135 Survey of Chemistry I
- \_\_\_ CHM 136 Survey of Chemistry II
- \_\_\_ **CHM 151 General Chem I**
- \_\_\_ **CHM 152 General Chem II**

- \_\_\_ GEL 111 Introductory Geology
- \_\_\_ GEL 113 Historical Geology
- \_\_\_ GEL 120 Physical Geology
- \_\_\_ GEL 230 Environmental Geology

- \_\_\_ PHY 110/A Conceptual Physics
- \_\_\_ PHY 151 College Physics I
- \_\_\_ PHY 152 College Physics II
- \_\_\_ PHY 251 General Physics I
- \_\_\_ PHY 252 General Physics II

**MATHEMATICS (8 SH)**

Select TWO from List A

**OR**

Select ONE from List A and ONE from List B

**LIST A**

- \_\_\_ MAT 140 Survey of Math
- \_\_\_ MAT 141 Mathematical Concepts I
- \_\_\_ MAT 142 Mathematical Concepts II
- \_\_\_ MAT 161 College Algebra
- \_\_\_ MAT 162 College Trigonometry
- \_\_\_ MAT 165 Finite Mathematics
- \_\_\_ MAT 171 Precalc Algebra
- \_\_\_ MAT 172 Precalculus Trigonometry
- \_\_\_ MAT 175 Precalculus
- \_\_\_ MAT 263 Brief Calculus
- \_\_\_ **MAT 271 Calculus I**
- \_\_\_ MAT 272 Calculus II
- \_\_\_ MAT 273 Calculus III

**LIST B**

- \_\_\_ CIS 110 Intr to Computer
  - \_\_\_ CIS 115 Intro to Prog. & Logic
  - \_\_\_ **\*MAT 151 Statistics I**
  - \_\_\_ **\*MAT 155 Stats Analysis**
- (must complete Statistics lab to meet 4 hour requirement)

FOR OFFICE USE ONLY

\_\_\_ 44 Hour Core Met

\_\_\_ Initial/Date \_\_\_

Name \_\_\_\_\_

Banner ID \_\_\_\_\_

**NOTES**

Other Pre-major Requirement courses offered at NC Community Colleges

**BUS 110** = BUS 1050  
Intro to Business

**ACC 120** = ACC 2100  
Principles of Accounting I

**OR**  
**ACC 170** = ACC 1050  
Survey of Accounting

**HRM 235** = HOS 2000  
Hospitality Quality Management

**CHM 251** = CHE 2201 & CHE 2203  
Organic Chemistry I

**BIO 275** = BIO 3308  
Microbiology

\***MAT 151 OR MAT 155** will fulfill the FS requirement.



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