



Northern

Associate of Applied Science CHEMICAL TECHNICIAN

This program provides you with the concepts and practical skills needed for employment as a chemical technician. It is designed to complement training for full time employment or for students seeking such employment. You may use this program in planning to transfer to related academic programs.

GENERAL EDUCATION (27 crs)

COMPLETED **Planned Timeline
(by Semester)**

Communications (9 crs)

ENG 111 English Composition I (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

ENG 116 Technical Writing (3)

Pre-requisite: ENG 111

SPCH 130 Public Speaking (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Mathematics/Lab Sciences (12 crs)

BCIS 102 Computer Literacy (3)

MATH 145 Introduction to Probability and Statistics (3)

Pre-requisite: MATH 130 or adequate score on the Course Placement Evaluation

MATH 150 College Algebra (3)

Pre-requisite: MATH 130 or adequate score on the Course Placement Evaluation

MATH 155 Trigonometry (3)

Pre-requisite: MATH 150 or adequate score on the Course Placement Evaluation

Social/Behavioral Sciences (3 crs)

SOC 211 Small Group Communications Studies (3)

Pre-requisite: ENG 109 or adequate score on Course Placement Evaluation

Humanities (3 crs)

PHIL 220 Ethics (3)

Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation

Health, Physical Education & Recreation (1 cr)

Elective (1) _____

PROGRAM REQUIREMENTS (37 crs)

CHEM 121/L General Chemistry I with lab (4)

Pre-requisite: MATH 130

Co-requisite: CHEM 121

CHEM 122/L General Chemistry II with lab (4)

Pre-requisite CHEM 121

CHEM 210 Integrated Organic & Biochemistry with lab (4)

Pre-requisite: CHEM 110/L or CHEM 121/L;

CHEM 221 Quantitative & Analytical Chemistry (3)

Pre-requisite: CHEM 122/L, MATH 145

CHEM 260 Standard Laboratory Protocols (4)

Pre-requisite: CHEM 122/L

CS 105 Introduction to Databases (3)

Pre-requisite: CS 102 or IT 101

CS 205 Databases (3)

Pre-requisite: CS 105 or CS 280

ES 126 Introduction to Waste Management (3)

ES 134 OSHA Health and Safety (3)

ES 138 Environmental and Occupational Law and Regulations (3)

Pre-requisite: ES 126 and ES 134

Elective (3) _____

TOTAL CREDIT HOURS 65

Educational Planning Form (Semester)

Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units
Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units
Fall Semester	Spring Semester	Summer
Total Units	Total Units	Total Units