

Northern Michigan University

Kellogg Community College Chemistry/ACS Certified, B. S.

The bachelor's degree in Chemistry/ACS Certified is for students who plan to pursue graduate level work in chemistry or to work in the chemical industry. Students who successfully complete this program will meet at least the minimum standards of the Committee on Professional Training of the American Chemical Society. Students in this major may satisfy the minor subject requirement by completing the sequence of courses listed as an academic minor in another department or completing the group science minor.

| Kellogg CC Course # | Kellogg Community College Course Title | Credit Hours | NMU Equivalent | NMU Degree Requirements |
|---|--|--------------|---|---|
| ENGL 151 or ENGL 151H | Freshman Composition or Freshman Composition (Honors) | 3 | EN 111 | Liberal Studies, Div. I, Communication |
| ENGL 152 or ENGL 152H or ENGL 153 or ENGL 201 or LITE 100 | Freshman Composition or Freshman Composition (Honors) or Technical English or Advanced Composition or Building Foundations through Literature | 3 | EN 211A or EN 211 or EN 211D or EN 211B or EN 211 A | Liberal Studies, Div. I, Communication |
| | Select two courses: COMM 210, HIST 106, HIST 151, HIST 151H, HIST 152, HIST 152H, HIST 260, HUMA 205, LITE 205, LITE 206, LITE 211, LITE 212, LITE 222, LITE 230, LITE 285, PHIL 200L, PHIL 201, PHIL 201H, PHIL 202, or PHIL 230 | 6 | | Liberal Studies, Div. II, Humanities |
| CHEM 110 | General Chemistry I | 4 | CH 111 | Liberal Studies, Div. III, Natural Science/Math & Major |
| CHEM 111 | General Chemistry II | 4 | CH 112 | Liberal Studies, Div. III, Natural Science/Math & Major |
| | Select two courses: ANTH 200, HIST 103, HIST 104, HIST 104H, (POSC 200 or POSC 201), PSYC 201, PSYC 201H, SOCI 201, SOCI 201H, or SOCI 202 | 6 | | Liberal Studies, Div. IV, Social Science |
| | Select one or more courses: ARAB 101, ARAB 102, BUAD 112, FREN 101, FREN 102, FREN 201, FREN 202, MATH 130, OIT 177, OIT 178, OIT 181, OIT 182, OIT 183, OIT 184/185, OIT 187/188, OIT 189, OIT 195/196, SPAN 101, SPAN 102, SPAN 201, or SPAN 202 | 3-4 | | Liberal Studies, Div. V, Formal Communication Studies |
| | Select one course: ART 105, ART 210, ART 211, ART 212, ART 213, HUMA 150, HUMA 150H, LITE 216, MUSI 211, THEA 121, or THEA 122 | 3 | | Liberal Studies, Div. VI, Visual & Performing Arts |
| | Select one course: PEC 121, PEC 150, PEC 151, PEC 152, PEC 153, PEC 155, PEC 156, PEC 159, PEC 160, or PEP 155 | 2 | HP 200 and Activity Course | Health Promotion |
| CHEM 201 | Organic Chemistry I | 4 | CH 321 | Major |
| CHEM 202 | Organic Chemistry II | 4 | CH 322 | Major |
| MATH 141 | Calculus I | 4 | MA 161 | Other Required |
| MATH 142 | Calculus II | 4 | MA 163 | Other Required |

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| PHYS 111/112 or PHYS 201/202 | Intro. Physics I and Intro. Physics II or General Physics I and General Physics II | 10 | PH 201/202 or PH 220/221 | Other Required |
| | Select courses with assistance from your advisor or an NMU transfer admissions counselor. | 3-4 | | Minor/General Electives |
| Total Credit Hours: | | 64 | | |

Other Graduation Requirements:

1. Students can fulfill NMU's **world cultures** requirement by completing one of the following while at Kellogg Community College: ANTH 200, HIST 260, LITE 205, or LITE 206
2. At least one course in the Liberal Studies Program must be at the **300-level or above**. This requirement can be completed before attending the university if the transfer student selects a course that transfers at that level. At Kellogg Community College, the following courses meet this requirement: ART 213, LITE 205, LITE 206, LITE 211, or LITE 212

Note: A maximum of 64 semester credits and an additional 4 semester credits in physical education activity courses may transfer from a two-year community or junior college.

Note: The transfer credit information provided reflects the current evaluation of courses from this college. Changes will occasionally take place at NMU and your college, so the information provided in this guide is subject to change. Students should contact an NMU transfer admissions counselor to keep informed of these changes. Final responsibility for verifying all transfer information lies with the student; a transfer guide is not intended to be a contract with NMU.

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For further information regarding the selection and transfer of courses, contact one of NMU's Transfer Admissions Counselors, at 1-800-682-9797 or transfer@nmu.edu.