

# Northern Michigan University

## Kellogg Community College Mathematics, B.S.

This bachelor's degree program combines the traditional core courses in mathematics as well as applied courses that can lead to careers in actuarial science and operations research. This program, with its major emphasis on mathematics itself, provides a firm and widely beneficial grounding in the nature, foundations, and utility of mathematics.

Kellogg CC Course #	Kellogg Community College Course Title	Credit Hours	NMU Equivalent	NMU Degree Requirements
ENGL 151	Freshman Composition	3	EN 111	Liberal Studies, Div. I, Communication
ENGL 152 or ENGL 153 or ENGL 201 or LITE 100	Freshman Composition or Technical English or Advanced Composition or Building Foundations through Literature	3	EN 211A 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 152, HUMA 205, LITE 205, LITE 206, LITE 211, LITE 212, LITE 222, LITE 285, PHIL 201, PHIL 202, or PHIL 230	6		Liberal Studies, Div. II, Humanities
	Select two courses (Must include one course with a laboratory): ASTR 104, BIOL 101, BIOL 110, BIOL 111, BIOL 112, CHEM 100, CHEM 110, CHEM 111, CHEM 210, GEOG 100, MATH 122, MATH 124, MATH 128, MATH 141, PHYS 111, PHYS 112, PHYS 201, PHYS 202, SCIE 102, or SCIE 103	8-9		Liberal Studies, Div. III, Natural Science/Math
	Select two courses: ANTH 200, HIST 103, HIST 104, (POSC 200 or POSC 201), PSYC 201, SOCI 201, or SOCI 202	6		Liberal Studies, Div. IV, Social Science
	Select one or more courses: BUAD 112, FREN 101, FREN 102, FREN 201, FREN 202, MATH 130, OIT 177, OIT 178, OIT 181, OIT 182, OIT 183, (OIT 184 and 185), OIT 187, OIT 188, OIT 189, SPAN 101, SPAN 102, SPAN 201, or SPAN 202	3-4		Liberal Studies, Div. V, Formal Communication Studies
	Select one course: ART 105, ART 211, ART 212, ART 213, HUMA 150, LITE 216, MUSI 211, THEA 121, or THEA 122	3		Liberal Studies, Div. VI, Visual & Performing Arts
	Select one course: PEC 150, PEC 151, PEC 152, PEC 153, PEC 155, PEC 156, PEC 159 or PEC 160	2	HP 200 and Activity Course	Health Promotion
MATH 141	Calculus I	4	MA 161	Major
MATH 142	Calculus II	4	MA 163	Major
MATH 241	Calculus III	4	MA 265	Major
MATH 242	Differential Equations	3	MA 361	Major
	Select courses with assistance from your advisor or an NMU transfer admissions counselor.	11-13		Minor/Electives
	<b>Total Credit Hours:</b>	<b>62</b>		

**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, 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.*

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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](mailto:transfer@nmu.edu).