

# Northern Michigan University

## Kellogg Community College Computer Science, B.S.

This major combines courses in practical programming, computer architecture, networking and algorithm design/analysis with an appropriate background in mathematics and theory of computing. Included are classes covering the latest technologies such as robotics and Internet applications. This major provides the foundation for a rewarding and productive career in industry as well as strong preparation for graduate school.

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
MATH 141	Calculus I	4	MA 161	Liberal Studies, Div. III, Natural Science/Math & Major Requirement
	Select one course (Must a laboratory): ASTR 104, BIOL 101, BIOL 105, BIOL 109, BIOL 110, BIOL 111, BIOL 112, CHEM 100, CHEM 110, CHEM 111, CHEM 210, GEOG 100, PHYS 111, PHYS 112, PHYS 201, PHYS 202, SCIE 100, SCIE 102, or SCIE 103	4-5		Liberal Studies, Div. III, Natural Science/Math
	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
MATH 130	Statistics	3	MA 171	Liberal Studies, Div. V, Formal Comm. Studies & CS Major/Math. Core
	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
CP 272	CGI/PERL Programming	3	CS 228	Computer Science Core
MATH 142	Calculus II	4	MA 163	Mathematics Core
MATH 241 or MATH 242	Calculus III or Differential Equations and Linear Algebra	4	MA 265 or MA 361	Major/Electives

	Select courses with assistance from your advisor or an NMU transfer admissions counselor.	16-17		Minor/General 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, 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](mailto:transfer@nmu.edu).