

Northern Michigan University

Bay de Noc Community College Mobile and Web App Development, B. S.

This major is designed to offer students an education in the important world of mobile and web application programming. The course of study emphasizes programming skills, including for the web, iOS, and Android platforms. Students will learn the fundamentals of computer science while focusing on aspects important to network computing.

Michigan Transfer Agreement (MTA): Students who transfer to Northern Michigan University from a Michigan community college who have *Michigan Transfer Agreement Satisfied* posted on their transcript will be considered to have met the requirements of NMU's General Education program. Students will still be expected to complete all other major/degree requirements, including graduation requirements, and any courses listed as "Other Required Courses" that may also be General Education courses. Degree requirements can be found at www.nmu.edu/catalog. **Students must successfully complete at least 30 credit hours with at least a grade of "C" in each course to satisfy MTA requirements. These credits should be met according to the distribution below.**

Major/Program/Degree requirements are listed below the MTA requirements. Students can see the additional course work which may be taken at Bay College to be applied to NMU's major, program, and degree requirements for the major/program listed above. *Note: All CNSS-, CSCI-, and MATH-prefixed courses taken at Bay College must have a grade of "C" or higher to count toward major/degree completion.*

Michigan Transfer Agreement (MTA) requirements:

Course #	Course Title	Credit Hours	NMU Equivalent
<i>Composition</i>	ENGL 101	3	EN 111
<i>Composition/Communications</i>	Select one course: ENGL 102, ENGL 145 , COMM 103, COMM 104, COMM 120 <i>Note: ENGL 102 or ENGL 145 is preferred courses to meet NMU graduation requirements.</i>	3	
<i>Humanities</i>	Select two courses from two different disciplines: ANTH 201 , ARTS 163, ARTS 204, ARTS 207, COMM 201, ENGL 150, ENGL 200, ENGL 203, ENGL 205, ENGL 208, ENGL 209, ENGL 210, ENGL 211, ENGL 280, ENGL 281, ENGL 282, FREN 111, FREN 112, GRMN 101, GRMN 102, HIST 101, HIST 102, MUSC 153, PHIL 201, PHIL 202, PHIL 230 , SPAN 101, SPAN 102, SPAN 220, WGST 200 <i>Note: See "Other NMU Graduation Requirement" below.</i>	6	
<i>Natural Sciences</i>	Select two courses from two different disciplines (must include <u>one</u> course with a laboratory): BIOL 103, BIOL 104, BIOL 107/108, BIOL 110, BIOL 112, BIOL 202, BIOL 213, BIOL 214, BIOL 226, BIOL 255, BIOL 256, BIOL 270, BIOL 271, CHEM 103, CHEM 107, (CHEM 108 or CHEM 110), CHEM 112, CHEM 201, CHEM 202, GEOG 110, PHYS 103, PHYS 104, PHYS 201, PHYS 202, PHYS 205, PHYS 206	7-10	
<i>Mathematics</i>	MATH 210	4	MA 171
<i>Social Sciences</i>	Select two courses from two different disciplines: ANTH 201 , ECON 120, ECON 131, ECON 132, EDUC 202, GEOG 102, GEOG 125, GEOG 126 , HIST 101, HIST 102, HIST 211, HIST 212, HIST 220, HIST 224, HIST 228, LEAD 200, PHIL 230 , POLI 110, POLI 111, POLI 201, POLI 262, PSYC 201, PSYC 206, PSYC 210, PSYC 220, PSYC 280, SOCY 103, SOCY 151, SOCY 205, SOCY 206, SOCY 207, SOCY 208, WGST 200 <i>Note: See "Other NMU Graduation Requirement" below.</i>	6	

Major/Program/Degree requirements that may be completed at Bay College:			
Course #	Course Title	Credit Hours	NMU Equivalent
CSCI 121	Intro to Computer Science I	3	CS 120
CSCI 122	Intro to Computer Science II	4	CS 201
	Select up to 8 credits from the following courses: CNSS 230, MATH 243, MATH 244	0-8	CS, MA electives
PHED 140 or PHED 141	Physical Fitness: Appraisal and Dev. or Physical Fitness: A Wellness Approach	2	HP 200
	Select any Physical Education activity course	1	HP Credit
	Select additional credits toward an NMU minor with assistance from your adviser or an NMU Transfer Admissions Counselor.	14-24	
		64	

Note: A maximum of 64 semester credits and an additional 4 semester credits in physical education activity courses may transfer from a two-year college. All courses on the transfer guide do not have to be completed before transfer to NMU. If you do not plan to satisfy requirements for the MTA before transferring, please contact your [NMU Transfer Admissions Counselor](#) for course selection assistance.

Other NMU Graduation Requirement:

1. Students can fulfill NMU's "*Intermediate Composition*" requirement by completing *ENGL 102* or *ENGL 145*.
2. Students can fulfill NMU's **World Cultures** requirement by completing one of the following courses while at Bay College: **ANTH 201, GEOG 125, GEOG 126, HIST 224, PHIL 202, or PHIL 230.**

Note: Courses designated as "Honors" at Bay College will transfer to NMU without the "Honors" designation (e.g., ENGL 101H will transfer the same as ENGL 101; ANTH 201H will transfer the same as ANTH 201; etc.) Transfer students may be considered for the NMU Honors Program on a case-by-case basis. For more information, please contact the NMU Honors Program at 906-227-2344 or honors@nmu.edu.

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For further information regarding the selection and transfer of courses, contact your NMU Transfer Admissions Counselors, at 906-227-2650 or transfer@nmu.edu.

Dear Student:

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.