

## Lower Division Major Preparation: Transfer Credit Agreement 2016-2017 Catalog

### S.T.E.M. MAJORS (Science, Technology, Engineering, and Mathematics)



Notre Dame de Namur University agrees to accept the Skyline College courses listed below in satisfaction of Lower Division Preparation in the following majors. Please note: You do not need to complete all of these requirements before transferring to Notre Dame de Namur University.

**Lower-division Preparation for the Major.** The undergraduate degree program requires 124 semester units of course credit. The courses shown below constitute all lower-division coursework required for the following majors for this catalog year. For a complete description of lower- and upper-division requirements for the major, please refer to the Notre Dame de Namur University Catalog.























**For further information or to make an appointment with a transfer counselor:** 650.508.3600 NDNU Admissions Office

**Course Descriptions and Major Prerequisites:** <http://www.ndnu.edu/catalog>

**More information on Skyline College:** <http://www.skyline.edu>















**KEY:** C = Completed Course  = A requirement that may be satisfied by a course taught at the transfer institution  
IP = In Progress Course  = A requirement for which there is no equivalent course at the transfer institution; or, a course that must be taken at NDNU

### BIOLOGICAL SCIENCES, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			SKYLINE COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1000	Science Success Seminar	2	N/A	Requirement waived for transfer students			
BIO 1101/L	General Biology I/Lab	3 + 1	BIOL 230	Introduction to Cell Biology: Core II	5		
BIO 1103/L	General Biology II/Lab	3 + 1	BIOL 215	Organismal Biology: Core I	5		
CHE 1204/L	General Chemistry II/Lab	3 + 1	CHEM 220	General Chemistry II	5		
MTH 1216	Precalculus with Trigonometry	4	MATH 222	Pre-Calculus	5		
MTH 2502/L	Statistics	3	MATH 200	Probability and Statistics	4		
One of the following courses with lab:			One of the following courses with lab:				
CHE 1200/ L	General, Organic, and Bio Chemistry	3 + 1	N/A	No equivalent course			
CHE 1202/L	General Chemistry I/Lab	3 + 1	CHEM 210	General Chemistry I	5		
Additional coursework highly recommended for future medical, dental, veterinary medicine, or future graduate students:			Additional coursework highly recommended for future medical, dental, veterinary medicine, or future graduate students:				
PHY 1203/L	College Physics I/Lab	3 + 1	PHYS 210	General Physics I	4		
PHY 1205/L	College Physics II/Lab	3 + 1	PHYS 220	General Physics II	4		
MTH 1320	Calculus I	4	MATH 251	Calculus with Analytic Geometry I	5		

### COMPUTER AND INFORMATION SCIENCE, B.S.

#### Emphasis in Software Engineering

NDNU LOWER-DIVISION MAJOR PREPARATION			SKYLINE COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
CIS 1130	Foundations / Computer Science	4	COMP 284 or COMP 250	Programming Methods I: Java (3) or Programming Methods I: C++ (3)	3		
CIS 1130/L	Programming Laboratory	1	N/A	No equivalent course			
CIS 1140	Data Structure and Abstraction	4	COMP 286 or COMP 252	Programming Methods II: Java (3) or Programming Methods II: C++ (3)	3		
MTH1320	Calculus I	4	MATH 251	Calculus with Analytic Geometry I	5		
MTH1321	Calculus II	4	MATH 252	Calculus with Analytic Geometry II	5		
MTH2522	Probability and Statistics	4	N/A	No equivalent course			
CIS1150*	Computer Organization (4)*		N/A	No equivalent course			

\* Select four additional courses from the list of approved Computer and Information Science courses in the NDNU catalog; among these courses, one option is the lower-division CIS 1150.

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## Emphasis in Management Information Systems

NDNU LOWER-DIVISION MAJOR PREPARATION			SKYLINE COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
CIS 1130	Foundations / Computer Science	4	COMP 284 <b>or</b> COMP 250	Programming Methods I: Java (3) <b>or</b> Programming Methods I: C++ (3)	3	<input type="checkbox"/>	<input type="checkbox"/>
CIS 1130/L	Programming Laboratory	1	N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CIS 1140	Data Structure and Abstraction	4	COMP 286 <b>or</b> COMP 252	Programming Methods II: Java (3) <b>or</b> Programming Methods II: C++ (3)	3	<input type="checkbox"/>	<input type="checkbox"/>
BUS 1000	Foundations of Business	3	BUS 100	Introduction to Business	3	<input type="checkbox"/>	<input type="checkbox"/>
MTH1322	Applied Calculus	4	MATH 241	Applied Calculus I	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH2502	Statistics	3	MATH 200	Probability and Statistics	4	<input type="checkbox"/>	<input type="checkbox"/>
MTH2502/L	Excel for Statistics	1	N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## HEALTH SCIENCES, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			SKYLINE JUNIOR COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1000	Science Success Seminar	2	N/A	Requirement waived for transfer students		<input type="checkbox"/>	<input type="checkbox"/>
CHE 1200/L	General, Organic, and Biological Chemistry / Lab (3 + 1)	4	CHEM 410	Chemistry for Health Sciences	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1000	Introduction to Health Sciences	3	HSCI 135 <b>or</b> KINE 100	Introduction to Public Health (3) <b>or</b> Introduction to Kinesiology (3)	3	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1002	Microbes and Diseases	3	BIOL 240	General Microbiology	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1005/L	Anatomy and Physiology I / Lab (3 + 1)	4	BIOL 250 <b>plus</b>	Human Anatomy <b>plus</b>	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1006/L	Anatomy and Physiology II / Lab (3 + 1)	4	BIOL 260	Introduction to Physiology	5	<input type="checkbox"/>	<input type="checkbox"/>
PSY 1001	Introduction to Psychology	3	PSYC 100	General Psychology	3	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 200	Probability and Statistics	4	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502L <b>or</b> MTH 2503L	Excel for Statistics (1), <b>or</b> SPSS for Statistics (1)	1	N/A	No equivalent course		<input type="checkbox"/>	<input type="checkbox"/>

## KINESIOLOGY, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			SKYLINE COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1101/L	General Biology I/Lab	3 + 1	BIOL 230	Introduction to Cell Biology: Core II	5	<input type="checkbox"/>	<input type="checkbox"/>
BIO 1103/L	General Biology II/Lab	3 + 1	BIOL 215	Organismal Biology: Core I	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 200	Probability and Statistics	4	<input type="checkbox"/>	<input type="checkbox"/>
PSY 1001	Introduction to Psychology	3	PSYC 100	General Psychology	3	<input type="checkbox"/>	<input type="checkbox"/>
One Chemistry course from the following. In the case that a lecture course has a separate lab, the lab course is optional.			One Chemistry course from the following. In the case that a lecture course has a separate lab, the lab course is optional.				
CHE 1101	Introductory Chemistry (3)	3	CHEM 192	Introductory Chemistry	4	<input type="checkbox"/>	<input type="checkbox"/>
CHE 1202	General Chemistry I (3)	3-4	CHEM 210	General Chemistry I	5	<input type="checkbox"/>	<input type="checkbox"/>
CHE 1202 L	General Chemistry I Lab (1) (optional)						
CHE 1204	General Chemistry II	3-4	CHEM 220	General Chemistry II	5	<input type="checkbox"/>	<input type="checkbox"/>
CHE 1204 L	General Chemistry II Lab (1) (optional)						

## Careers in S.T.E.M. Fields

The Natural Sciences Department offers Bachelor of Science degrees in Biological Sciences, Health Sciences, and Kinesiology; and minors in Biology, Biochemistry, and Chemistry, as well as an interdisciplinary minor in Environmental Justice. A Postbaccalaureate Premedical Program is also offered. Degrees in the Department lead directly to employment, graduate study, or entrance into professional schools in medicine, pharmacy, dentistry, veterinary medicine, allied health, or education.

The Computer and Information Science Department provides sound preparation for a career as a computer professional or for graduate study. It combines a comprehensive theoretical foundation with the pragmatic aspect of designing and implementing computer-based solutions to practical problems.

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650.508.3600 NDNU Admissions Office

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<http://www.ndnu.edu>   <http://www.skyline.edu>

Articulation Agreement Updated: September 29, 2016

Approved by: Galen Anne Corson, Articulation Officer, [gcorsen@ndnu.edu](mailto:gcorsen@ndnu.edu)