

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 De Anza 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 De Anza College: <http://www.deanza.edu>

Conversion of Quarter Units to Semester Units. Quarter units are based on 30 hours of instruction; semester units on 40 hours. 3 qtr units = 2 sem units; 4 qtr units = 2.67 sem units; 4.5 qtr units = 3.0 sem units; 5 qtr units = 3.33 sem units; 6 qtr units = 4 sem units

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

NDNU LOWER-DIVISION MAJOR PREPARATION			DE ANZA COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	SEM	Course Code	Course Title	QTR	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 6B	Cell and Molecular Biology	6		
BIO 1103/L	General Biology II/Lab	3 + 1	BIOL 6A	Form/ Function Biological World	6		
CHE 1204/L	General Chemistry II/Lab	3 + 1	CHEM 1C	General Chemistry/Quant Analysis	5		
MTH 1216	Precalculus with Trigonometry	4	MATH 42	Precalculus II: Trig Functions	5		
MTH 2502/L	Statistics (3)		MATH 10	Elementary Statistics and Probability	5		
<i>One of the following courses with lab:</i>			<i>One of the following courses with lab:</i>				
CHE 1200/ L	General, Organic, and Bio Chem/Lab	3 + 1	N/A	No equivalent course			
CHE 1202/L	General Chemistry I/Lab	3 + 1	CHEM 1A plus	General Chemistry 1A plus	5		
			CHEM 1B	General Chemistry 1B	5		
<i>Additional coursework highly recommended for future medical, dental, veterinary medicine, or future graduate students</i>			<i>Additional coursework highly recommended for future medical, dental, veterinary medicine, or future graduate students</i>				
PHY 1203/L	College Physics I/Lab	3 + 1	PHYS 2A plus	General Introductory Physics (5) plus	5		
PHY 1205/L	College Physics II/Lab	3 + 1	PHYS 2B plus	General Introductory Physics (5) plus	5		
			PHYS 2C	General Introductory Physics (5)	5		
MTH 1320	Calculus I	4	MATH 1A plus	Calculus 1A* (5) plus	5		
			MATH 1B	Calculus 1B* (5)	5		

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COMPUTER AND INFORMATION SCIENCE, B.S.

Emphasis in Software Engineering







NDNU LOWER-DIVISION MAJOR PREPARATION			DE ANZA COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	SEM	Course Code	Course Title	QTR	C	IP
CIS 1130	Foundations / Computer Science plus	4	CIS 35B or	Adv Java Programming (4.5) or	4.5	<input type="checkbox"/>	<input type="checkbox"/>
CIS 1130/L	Programming Laboratory	1	CIS 28	Object Oriented Analysis/Design C++ (4.5)			
CIS 1140	Data Structure and Abstraction	4	CIS 22C	Data Abstractions and Structures	4.5	<input type="checkbox"/>	<input type="checkbox"/>
MTH1320	Calculus I	4	MATH 1A	Calculus 1A	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH1321	Calculus II	4	MATH 1B	Calculus 1B	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH2522	Probability and Statistics	4	N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CIS1150*	Computer Organization (4)*		N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Select four additional courses from the listed Computer and Information Science courses in the NDNU catalog; among these, one option is the lower-division CIS 1150.							

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

Emphasis in Management Information Systems

NDNU LOWER-DIVISION MAJOR PREPARATION			DE ANZA COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	SEM	Course Code	Course Title	QTR	C	IP
CIS 1130	Foundations / Computer Science plus	4	CIS 35B or	Adv Java Programming (4.5) or	4.5	<input type="checkbox"/>	<input type="checkbox"/>
CIS 1130/L	Programming Laboratory	1	CIS 28	Object Oriented Analysis/Design C++ (4.5)			
BUS 1000	Foundations of Business	3	BUS 10	Introduction to Business	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH1322	Applied Calculus	4	MATH 12	Introductory Calculus for Bus/Soc Sci	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH2502	Statistics	3	MATH 10	Elementary Statistics and Probability	5	<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			DE ANZA 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			
CHE 1200/L	General, Organic, and Biological Chemistry / Lab (3 + 1)	4	CHEM 30A plus	Introduction to Chemistry plus	3	<input type="checkbox"/>	<input type="checkbox"/>
			CHEM 30B	Introduction to Chemistry	3	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1000	Introduction to Health Sciences	3	KNES 45	Introduction to Kinesiology	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1002	Microbes and Diseases	3	BIOL 26	Introductory Microbiology	6	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1005/L	Anatomy and Physiology I / Lab (3 + 1)	4	BIOL 40A plus	Human Anatomy and Physiology plus	5	<input type="checkbox"/>	<input type="checkbox"/>
			BIOL 40B	Human Anatomy and Physiology	5	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1006/L	Anatomy and Physiology II / Lab (3 + 1)	4	BIOL 40C	Human Anatomy and Physiology	5	<input type="checkbox"/>	<input type="checkbox"/>
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	4	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 10	Elementary Statistics and Probability	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502L, or	Excel for Statistics (1), or	1	N/A	No equivalent course			
MTH 2503L	SPSS for Statistics (1)		N/A	No equivalent course			

KINESIOLOGY, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			DE ANZA COLLEGE EQUIVALENT COURSES				
Course Code	Course Title	SEM	Course Code	Course Title	QTR	C	IP
BIO 1101/L	General Biology I/Lab	3 + 1	BIOL 6B	Cell and Molecular Biology	6	<input type="checkbox"/>	<input type="checkbox"/>
BIO 1103/L	General Biology II/Lab	3 + 1	BIOL 6A	Form/ Function Biological World	6	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 10	Elementary Statistics and Probability	5	<input type="checkbox"/>	<input type="checkbox"/>
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	4	<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 10	Introductory Chemistry	5	<input type="checkbox"/>	<input type="checkbox"/>
CHE 1202	General Chemistry I (3)	3-4	CHEM 1A or	Survey of Chemistry 1A (5) or	5	<input type="checkbox"/>	<input type="checkbox"/>
			CHEM 1B or	Survey of Chemistry 1B (5) or			
			CHEM 1C	Survey of Chemistry 1A (5)			
CHE 1202 L	General Chemistry I Lab (1) (optional)						
CHE 1204	General Chemistry II	3-4	CHEM 30A or	General Chemistry 30A (5) or	5	<input type="checkbox"/>	<input type="checkbox"/>
			CHEM 30B	General Chemistry 30B (5)			
CHE 1204 L	General Chemistry II Lab (1) (optional)						

You do not need to complete all of these GE or Major Requirements before transferring to Notre Dame de Namur University.

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.

650.508.3600 NDNu Admissions Office

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

Articulation Agreement Updated: September 29, 2016

Approved by: Galen Anne Corson, Articulation Officer, gcorsen@ndnu.edu