

## Notice Regarding Accreditation Status of City College of San Francisco (CCSF)

Courses on the 2014-15 articulation agreement will transfer provided that City College of San Francisco is accredited with the Western Association of Colleges and Schools (WASC) at the time the course is taken. Otherwise, courses on the articulation agreement may be subject to department review to determine transferability. It is the student's responsibility to contact City College of San Francisco for updated accreditation status.



**City College of San Francisco**  
SAN FRANCISCO, CALIFORNIA

### *General Education Transfer Credit Agreement 2014-2015 Catalog*

This articulation agreement describes how courses taken at City College of San Francisco will transfer to meet Notre Dame de Namur University requirements for General Education and lower division major preparation. Please note: You do not need to complete all of these requirements before transferring to NDNU.

For further information or to make an appointment with a transfer counselor:	<b>650.508.3600 NDNU Admissions Office</b>
Course Descriptions and Major Prerequisites:	<a href="http://www.ndnu.edu/catalog">http://www.ndnu.edu/catalog</a>
More information on City College of San Francisco:	<a href="http://www.ccsf.edu">http://www.ccsf.edu</a>

**Policy for Awarding Transfer Credit.** With the exception of remedial or vocational courses, NDNU accepts credit for courses completed with grade "C" (2.0) or higher at any degree-granting regionally-accredited two-year college or four-year college or university. Courses from California Community Colleges are generally accepted according to the published recommendations for transfer of courses to the California State University system.

#### NDNU GENERAL EDUCATION REQUIREMENTS

<b>FRESHMAN YEAR SEMINAR (3)</b>	<i>Waived for students transferring in more than 12 units</i>	
<b>DISCIPLINE-SPECIFIC TECHNOLOGY</b>	<i>Usually taken at NDNU as part of major requirements</i>	

#### A. FOUNDATION COURSES

	Completed
<b>LOWER-DIVISION WRITING (3)</b>	
ENGL 1A, 1C	
<b>WORLD HISTORY (6)</b>	
HIST 4A, 4B	
<b>MATHEMATICS (3)</b>	
MATH 70, 75, 80, 90, 95, 97, 100A, 100B, 110A, 110B, 110C, 115, 120, 125, 130	
<b>MODERN LANGUAGE/ CULTURE AND LANGUAGE (6)</b>	
<i>Student must demonstrate language proficiency equivalent to a minimum of one year of study at NDNU by successfully completing Level 2 or higher. All courses used to satisfy the requirement must be in the same language.</i>	
<b>LEVEL 1</b>	
<i>Complete one course from Group A, or two courses from Group B.</i>	
GROUP A <b>CHIN 1; FREN 1; GERM 1; ITAL 1; JAPA 1; RUSS 1</b>	
GROUP B <b>CHIN 1A, 1B; FREN 1A, 1B; GERM 1A, 1B; ITAL 1A, 1B; JAPA 1A, 1B; RUSS 1A, 1B; SPAN 1A, 1B</b>	
<b>LEVEL 2</b>	
<i>Complete one course from Group A, or two courses from Group B.</i>	
GROUP A <b>CHIN 2; FREN 2; GERM 2; ITAL 2; JAPA 2; RUSS 2</b>	
GROUP B <b>CHIN 2A, 2B; FREN 2A, 2B; GERM 2A, 2B; ITAL 2A, 2B; JAPA 2A, 2B; RUSS 2A, 2B; SPAN 2A, 2B</b>	
<b>LEVEL 3</b>	
<i>Complete at least one course from the following:</i>	
<b>CHIN 3, 3A, 3B, 4, 4A, 4B; FREN 3, 3A, 3B, 4, 5; GERM 3, 3A, 3B, 4, 4A, 4B; ITAL 3A, 3B, 4A, 4B; JAPA 3, 3A, 3B, 4, 4A, 4B; RUSS 3, 3A, 3B; SPAN 3, 3A, 3B, 5, 5S</b>	

**WORLD HISTORY.** Transfer students (30 or more transferable units) may fulfill the History requirement by satisfying Section A and Section B History requirements as described in the NDNU catalog. Note: History coursework taken by any student prior to matriculation at NDNU may be transferred in to satisfy NDNU's World History requirement, provided course content meets the criteria for Section A (World History) and/or Section B (Area Studies) requirements. After matriculation, only World History coursework may be transferred in by any student to satisfy this requirement. The only exception to the World History requirement for transfer courses taken after matriculation is for courses from a school that does not offer World History (effective Fall 2012 catalog). Please speak with your transfer counselor for more information.

**MODERN LANGUAGE/CULTURE AND LANGUAGE.** Students who have completed the third-year level of one foreign language in high school with a grade of C (2.0) or higher in each term of the third year are exempt from the foreign language requirement. All B.A. and B.F.A. students must complete the Modern Language requirement as described above, unless eligible for exemption. For majors leading to a B.S. degree, Foreign Culture and Language courses (usually taken at NDNU) may be substituted for Foreign Language.

## B. SOCIAL AND PERSONAL RESPONSIBILITY

PHILOSOPHY (3)				Completed
PHIL	2, 4, 25A, 25C	HUM	8	<input type="text"/>
BIOL	55			
RELIGIOUS STUDIES (6)				
AFAM	35	HUM	7	<input type="text"/>
ANTH	8	IDST	4, 29	<input type="text"/>
ENGL	48K			

**RELIGIOUS STUDIES.** Students in day undergraduate programs who have not completed the (6) unit Religious Studies requirement prior to matriculation must take at least three of these units at the upper-division level, and at least one course must be taken at NDNU.

## C. THE INDIVIDUAL, SOCIETY, AND THE ENVIRONMENT

NATURAL AND PHYSICAL SCIENCES (3)				Completed
ANAT	14, 25	GEOL	10, 10L*, 11, 11L*, 18, 220A, 20B, 20C, 1A*, 25	<input type="text"/>
ANTH	1	HLTH	53	
ASTR	1, 4, 14, 17, 18, 19, 20	IDST	9	
BIO	9, 11, 15, 30, 31, 32, 32L*, 33, 40, 55, 61, 100A, 100B	MB	10, 12	
BTEC	115, 120	NUTR	12, 52	
BOT	10	OCAN	1, 1L*	
CHEM	17, 32, 33, 40, 101A, 101B, 101L*, 102L*, 103A, 110, 110L*, 205, 208A, 208L*, 212A, 212B, 212L*	PALE	1	
DMI	51A	PSC	11, 11L*	
ECHO	301	PHTC	101, 103	
EMT-P	120, 123, 126, 127, 128	PHYC	2A, 2AC*, 2AL*, 2B, 2BC*, 2BL*, 4A, 4AL*, 4B, 4BL*, 4C, 4CL*, 4D, 4DL*, 10, 10L*, 40, 41	
ENRG	3	PHYS	1, 12, 67	
GEN	10, 11*, 15	VOCN	41E, 42E	
GEOG	1, 1L*, 49	ZOOL	10	
SOCIAL AND BEHAVIORAL SCIENCES (3)				
ADMJ	51, 57, 59	IDST	7, 10D, 17, 29, 30, 37	
AFAM	30, 35, 40, 60, 70	LABR	15, 70, 70A, 70B, 88, 100	
AMC	5	LGBT	5, 9, 10, 21, 24, 30, 40, 50, 60, 70	
ANTH	3, 3AC, 4, 8, 11, 12, 15, 20, 25	LALS	1, 9, 10, 11, 14, 15	
ASIA	1, 176	PHST	20, 30	
ASAM	8, 10, 20, 22, 27, 30, 35, 40, 42	POLS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 18, 20, 22, 25, 30, 35, 43, 45, 46, 47, 48	
MRKT	150	PSYC	1, 10, 11, 21, 23, 25, 26, 40	
CDEV	53, 61, 67, 76, 92, 93	SPCH	5	
ECON	1, 3, 6, 10, 25, 30	SOC	1, 2, 3, 25, 30, 35, 50	
GEOG	4, 7	WOMN	25	
HLTH	5, 30, 52, 53, 54, 221, 231			

### ONE ADDITIONAL COURSE (3)

From the above Individual, Society, and the Environment disciplines or from Computational Science below:

CS	111A plus 111B (preferred); 110A plus 110B; 110C, 111C, 211E, 270, 280	MATH	115, 120
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\* NATURAL AND PHYSICAL SCIENCE/SOCIAL AND BEHAVIORAL SCIENCES. Courses with variable units must meet the 3-unit requirement. Laboratory courses with fewer than 3 units must be combined with the companion lecture courses to meet the 3-unit requirement.

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

## D. CREATIVE ARTS

LITERATURE (3)				Completed
ASAM	6	ENGL	1B, 20, 30A, 30B, 36, 43, 44A, 44B, 46A, 46B,	<input type="text"/>
CLAS	35		46C, 50, 52, 53, 55, 57, 58	
IDST	14, 23, 27A, 27B, 36, 38, 44			
VISUAL AND PERFORMING ARTS (3)				<input type="text"/>
ARCH	29B*	GRPH	21, 40, 67	<input type="text"/>
ART	101, 102, 103, 104, 105, 106, 107, 108, 109, 116, 118, 125A-B, 126, 130A-B, 131A-B, 132A-C, 136A-B, 137, 140A-C, 145A-D, 146A-B, 150A-C, 151A-C, 156, 170A-D, 180A-C	IDST	38	
BCST	100, 101, 102, 103, 104, 105, 106, 110	LALS	14	
CINE	18, 19, 20A, 20B, 21, 22, 23A, 23B, 24	LGBT	20	
CLAS	35	MUS	1A-B*, 2A-D, 3A-B, 4*, 5A-B, 6A-B*, 6C-D*, 7C 1-4*, 7P 1-4*, 7T 1-4*, 7V 1-4*, 7W 1-4*, 8A-B*, 9A-C*, 10A-D*, 11*, 12*, 13A-B*, 14*, 15*, 16*, 17*, 18*, 19*, 20*, 22A-C, 23, 24, 25, 26, 27B-C, 27R, 27T*, 28, 29, 30*, 31*, 41*, 42*, 44, 45*, 46*, 47*, 48A-C*, 50*, 200A-C*	
DANC	30, 32, 33*, 100A, 101A-B*, 101C, 102A-B*, 102C, 107A-B*, 107C, 108A-B*, 108C, 109A*, 109B*, 110A-B*, 111A*, 120A-C*, 121B*, 122*, 124A-B*, 125B*, 125C*, 126B*, 127*, 129A-B*, 130B-C*, 132A-C*, 135A-B*, 136*, 137A-B*, 140A-B*, 141A-B*, 142A-B*, 145A-B*, 146A-B*, 146C-D*, 147A-B*, 148*, 148B*, 150A-C*, 151A-B*, 152A*, 155A-C*, 160A-C*, 161*, 175*	PHOT	50A-B, 51, 52, 53, 55, 57, 60A-B*, 67, 80, 81A-B*, 82, 83*, 85A-B, 86, 89, 90, 93*, 95A-B, 100, 101 B-H*, 102A-B*	
DSGN	101	TH A	30, 31, 32, 60, 61*, 62, 63, 71, 72, 73, 107, 150, 151, 152A-C, 153, 154, 155, 160, 162A-C, 163, 164, 165, 166A-C, 170A-D, 171A-B, 171A-D, 200	
FASH	112	VMD	101, 103, 105, 114A*, 116A-C*, 120, 122, 124, 130, 131, 134*, 136*, 150, 151, 152, 153, 154, 155, 170, 172	
HUM	11, 12, 20, 25, 35, 41A-B, 48, 41, 43, 44A, 44B, 46A-C, 48 A-O, 49 A-O, 50, 52, 53, 55, 56A-C, 57, 58A, 59			
ONE ADDITIONAL COURSE (3)				<input type="text"/>
From the above Creative Arts disciplines				

\*VISUAL AND PERFORMING ARTS. Students may transfer in one 3-unit course, or a combination of 1- or 2- unit courses to meet the 3-unit VPA requirement. Courses combined to meet the requirement must be in the same genre and must have been completed within a 4-semester period.

## E. COMMUNITY ENGAGEMENT AND CULTURAL DIVERSITY

COMMUNITY ENGAGEMENT (3)				Completed
Please see transfer counselor for more information.				<input type="text"/>
CULTURAL DIVERSITY (6)				<input type="text"/>
ADMJ	59	HUM	7, 8, 25, 35, 48	<input type="text"/>
AFAM	30, 31, 35, 40, 55, 60, 70	IDST	4, 10D, 14, 27A, 27B, 27C, 28A, 28B, 28C, 28D, 28E, 28F, 28G, 29, 30, 31, 36, 37, 40, 42, 44, 45	
ANTH	3, 3AC, 4, 5, 8, 11, 12, 15, 20, 25	INTR	176	
ART	104, 105, 106, 107, 108	JAPA	39, 49	<input type="text"/>
ASAM	6, 8, 10, 20, 22, 27, 30, 35, 40, 42	LABR	15, 70, 70A, 70B, 80, 81, 88, 100	
ASIA	1, 12, 176	LALS	1, 9, 10, 11, 14, 15	
BCST	104, 105, 106	LGBT	5, 9, 10, 11, 12, 15, 20, 21, 24, 25, 30, 40, 50, 55, 60, 70, 75	
CDEV	76, 93	MUS	21, 23, 24, 25, 26, 27C, 27T	
CHIN	29A, 29B, 39, 49	PHST	20, 30	
DSPS	1	POLS	7, 8, 12, 18, 35, 45, 47, 48	
ECON	25, 30	PSYC	23	
ENGL	36, 55, 57, 58	SOC	25	
FASH	23	SPCH	5	
GEOG	4	THA	163	
HLTH	52	WOMN	10, 25, 54	
HIST	9, 12A, 12B, 15A, 15B, 18A, 18B, 20, 21, 33, 34, 35A, 35B, 36, 37, 38, 41A, 41B, 44, 45, 48			

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

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**COMMUNITY ENGAGEMENT.** Freshman Year Seminar courses include a community engagement component; in addition, all undergraduates must take a 3-unit lower or upper division course designated as a Community Engagement Course.

**CULTURAL DIVERSITY.** The Cultural Diversity Requirement generally does not add units to a student's program. Rather, it is intended to be fulfilled by choosing courses from the approved list that also satisfy requirements in other areas of the student's program; the exception is that Cultural Diversity courses may not satisfy Culture and Language Requirements for B.S. students. For example, Anthropology 3 can fulfill (3) units of the Behavioral Science requirement and (3) units of the Cultural Diversity requirement. This double counting of a class may only be done with the Cultural Diversity requirement. Courses in Cultural Diversity may be taken at the lower-division or upper-division level.

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<b>U.S. HISTORY INSTITUTIONAL REQUIREMENT</b>	
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HIST	1, 9, 12A, 12B, 15A, 15B, 17A, 17B, 21, 41A, 41B, 45
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**U.S. HISTORY INSTITUTIONAL REQUIREMENT.** Students who have not completed a United States history course with grade "C" (2.0) or higher in an American high school or an American international school are required to pass (1) three-unit course in United States History. NDNU does not accept a C- or lower. An official high school, college, or university transcript is required. Further limitations on transfer may exist for specific programs; please consult with your transfer counselor.

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650.508.3600 NDNU Admissions Office

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

Articulation Agreement Updated: September 16, 2014

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

## *Lower Division Major Preparation: Transfer Credit Agreement 2014-2015 Catalog*

Notre Dame de Namur University agrees to accept the City College of San Francisco 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 City College of San Francisco:

<http://www.ccsf.edu>

### ART, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
ART 1001	Drawing I	3	ART 130A	Basic Drawing	3	
ART 1002	Drawing II	3	ART 130B	Intermediate Drawing	3	
ART 1018	Life Drawing I	3	ART 132A	Beginning Figure Drawing	3	
ART 1019	Life Drawing II	3	ART 132B	Advanced Figure Drawing	3	
ART 1101	Design: Two Dimensional	3	ART 125A	Basic Design	3	
ART 1109	Design: Color	3	ART 126	Color	3	
ART 1118	Design: Three Dimensional	3	ART 125B	Advanced Design	3	
ART 1127	Design: Advanced	3		<i>No equivalent course</i>		
ART 1201	Art History Survey	3	ART 101 or ART 102	Western Art History (to 500 A.D.) (3) or Western Art History (6 <sup>th</sup> -18 <sup>th</sup> C) (3)	3	

### ART AND GRAPHIC DESIGN, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
ART 1001	Drawing I	3	ART 130A	Basic Drawing	3	
ART 1010	Drawing with Illustrator	3	VMD 150	Illustrator I	3	
ART 1018	Life Drawing I	3	ART 132A	Beginning Figure Drawing	3	
ART 1019	Life Drawing II	3	ART 132B	Advanced Figure Drawing	3	
ART 1101	Design: Two Dimensional	3	ART 125A	Basic Design	3	
ART 1109	Design: Color	3	ART 126	Color	3	
ART 1118	Design: Three Dimensional	3	ART 125B	Advanced Design	3	
ART 1127	Design: Advanced	3		<i>No equivalent course</i>		
ART 1201	Art History Survey	3	ART 101 or ART 102	Western Art History (to 500 A.D.) (3) or Western Art History (6 <sup>th</sup> -18 <sup>th</sup> C) (3)	3	

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

## BIOLOGY, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES		
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units    Completed
BIO 1101 / L	General Biology I / Lab	3/1	BIO 100B	General Biology	5 <input type="checkbox"/>
BIO 1103 / L	General Biology II / Lab	3/1	BIO 100A	General Biology	5 <input type="checkbox"/>
CHE 1202 / L	General Chemistry I / Lab	3/1	CHEM 101A	General College Chemistry	5 <input type="checkbox"/>
CHE 1204 / L	General Chemistry II / Lab	3/1	CHEM 101B	General College Chemistry	5 <input type="checkbox"/>
MTH 1216	Precalculus / Trigonometry *	4	MATH 97	Precalculus	5 <input type="checkbox"/>
<i>One mathematics course from the following:</i>					
MTH 1320* <b>or</b>	Calculus I* (4) <b>or</b>	3-4	MATH 110A* <b>or</b>	Calculus I* (4) <b>or</b>	3-4 <input type="checkbox"/>
MTH 1322* <b>or</b>	Applied Calculus* (4) <b>or</b>		MATH 100A* <b>or</b>	Short Calculus I* (3) <b>or</b>	
MTH 2502*	Statistics* (3)		MATH 80	Probability and Statistics (4)	<input type="checkbox"/>
<i>(2) semesters of College Physics or (2) semesters of Physics for Scientists:</i>					
PHY 1203 / L <b>plus</b>	College Physics I / Lab (4) <b>plus</b>	8	PHYC 2A / L <b>plus</b>	Introductory Physics (3/1) <b>plus</b>	8 <input type="checkbox"/>
PHY 1205 / L; <b>or</b>	College Physics II / Lab (4); <b>or</b>		PHYC 2B / L; <b>or</b>	Introductory Physics (3/1); <b>or</b>	<input type="checkbox"/>
PHY 1304 / L <b>plus</b>	Physics for Scientists I / Lab (4) <b>plus</b>		PHYC 4A / L <b>plus</b>	Physics for Scientists/Engineers (3/1) <b>plus</b>	
PHY 1306 / L	Physics for Scientists II (4)		PHYC 4B / L	Physics for Scientists/Engineers (3/1)	<input type="checkbox"/>

\* 2 Math courses required which correspond to level 4 on the math placement test, or higher.

7/28/15 Amendment to Articulation Agreement: the course code for CCSF PHYC 2B has been amended to read PHYC 2B / L.

## BIOCHEMISTRY, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES		
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units    Completed
BIO 1101 / L	General Biology I / Lab	3/1	BIO 100B	General Biology	5 <input type="checkbox"/>
BIO 1103 / L	General Biology II / Lab	3/1	BIO 100A	General Biology	5 <input type="checkbox"/>
CHE 1202 / L	General Chemistry I / Lab	3/1	CHEM 101A	General College Chemistry	5 <input type="checkbox"/>
CHE 1204 / L	General Chemistry II / Lab	3/1	CHEM 101B	General College Chemistry	5 <input type="checkbox"/>
MTH 1320*	Calculus I*	4	MATH 110A*	Calculus I*	4 <input type="checkbox"/>
MTH 1321*	Calculus II* (recommended) (4)		MATH 110B*	Calculus II* (recommended) (4)	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 80	Probability and Statistics	4 <input type="checkbox"/>
PHY 1304 / L	Physics for Scientists I	3/1	PHYC 4A / L	Physics for Scientists/Engineers	3/1 <input type="checkbox"/>
PHY 1306 / L	Physics for Scientists II	3/1	PHYC 4B / L	Physics for Scientists/Engineers	3/1 <input type="checkbox"/>

\* 2 Math courses required which correspond to level 4 on the math placement test, or higher.

## BUSINESS ADMINISTRATION, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES		
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units    Completed
BUS 1000	Foundations of Business	3	GNBS 119	Introduction to Business	3 <input type="checkbox"/>
BUS 1008	Building Business Values	3	GNBS 120	Business Ethics	3 <input type="checkbox"/>
BUS 1100	Macroeconomics	3	ECON 1	Principles of Macroeconomics	3 <input type="checkbox"/>
BUS 1108	Microeconomics	3	ECON 3	Principles of Microeconomics	3 <input type="checkbox"/>
BUS 1220	Introduction to Financial Accounting	3	ACCT 1	Financial Accounting	4 <input type="checkbox"/>
BUS 1232	Managerial Accounting	3	ACCT 2	Managerial Accounting	4 <input type="checkbox"/>
BUS 1300	Community Based Research/Stats	3		<i>No equivalent course</i>	<input type="checkbox"/>

## COMMUNICATION, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES		
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units    Completed
COM 1000	Introduction to Communication	3	BCST 103	Mass Media and Society	3 <input type="checkbox"/>
COM 1008	Oral Communication	3	SPCH 1A	Elements of Public Speaking	3 <input type="checkbox"/>

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

## COMPUTER AND INFORMATION SCIENCE, B.S.

### Major Requirements with Emphasis in Software Engineering

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
CIS 1130	Foundations / Computer Science	4	CS 111A <b>plus</b>	Introduction to Programming: Java (3) <b>plus</b>	6	
			CS 111B; <b>or</b>	Programming Fundamentals (3); <b>or</b>		
			CS 110A <b>plus</b>	Introduction to Programming C++ (3) <b>plus</b>		
			CS 110B	Programming Fundamentals: C++ (3)		
CIS 1130 / L	Programming Laboratory	1	No equivalent course			
CIS 1140	Data Structure and Abstraction	4	CS 111C <b>or</b>	Data Structure and Algorithms: Java (3)	3	
			CS 110C	Data Structure and Algorithms: C++ (3)		
MTH1320	Calculus I	4	MATH 110A	Calculus I	4	
MTH1321	Calculus II	4	MATH 110B	Calculus II	4	
MTH2522	Probability and Statistics	4	No equivalent course			
CIS1150*	Computer Organization (4)*		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.

### Emphasis in Management Information Systems

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
CIS 1130	Foundations / Computer Science	4	CS 111A <b>plus</b>	Introduction to Programming: Java (3) <b>plus</b>	6	
			CS 111B; <b>or</b>	Programming Fundamentals (3); <b>or</b>		
			CS 110A <b>plus</b>	Introduction to Programming C++ (3) <b>plus</b>		
			CS 110B	Programming Fundamentals: C++ (3)		
CIS 1130 / L	Programming Laboratory	1	No equivalent course			
CIS 1140	Data Structure and Abstraction	4	CS 111C <b>or</b>	Data Structure and Algorithms: Java (3)	3	
			CS 110C	Data Structure and Algorithms: C++ (3)		
BUS 1000	Foundations of Business	3	GNBS 119	Introduction to Business	3	
MTH1322	Applied Calculus	4	MATH 100A	Short Calculus I	3	
MTH2502	Statistics	3	MATH 80	Probability and Statistics	4	
MTH2502 / L	Excel for Statistics	1	No equivalent course			

## HUMAN SERVICES, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3	
SOC 1001	Introduction to Sociology	3	SOC 1	Introduction to Sociology	3	

## KINESIOLOGY, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
BIO 1101 / L	General Biology I / Lab	3/1	BIO 100B	General Biology	5	
BIOL 1103 / L	General Biology II / Lab	3/1	BIO 100A	General Biology	5	
One Chemistry course from the following:						
CHE 1101 <b>or</b>	Introductory Chemistry (3) <b>or</b>	3-4	CHEM 40 <b>or</b>	Introduction Chemical Principles (4) <b>or</b>	4-5	
CHE 1202 / L <b>or</b>	General Chemistry I/Lab (3/1) <b>or</b>		CHEM 101A <b>or</b>	General College Chemistry (5) <b>or</b>		
CHE 1204 / L	General Chemistry II/Lab (3/1)		CHEM 101B	General College Chemistry (5)		
MTH 2502	Statistics	3	MATH 80	Probability and Statistics	4	

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

PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3	<input type="text"/>
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NDNU recommends that students complete a course in Human Anatomy prior to enrollment in upper-division courses for the Kinesiology major.

### LIBERAL STUDIES, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
BIO 1009/1109L	Introduction to Biology	3.5	BIO 11	Intro Science of Living Organisms	4	<input type="text"/>
PSC 1000	Introduction American Government	3	POLS 1	American Government	3	<input type="text"/>
For Credential students, one course from the following:		3				
ART 2605 or Art Education Concepts (3) or			No equivalent course			
THE 2151 Children's Theatre (3)			No equivalent course			
For Non-Credential Students:						
Three units within the Visual and Performing Arts		3	Three units as described		3	<input type="text"/>
meeting one of the following criteria: One 3-unit content						
course, or 3 units in studio/performance or concepts						
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3	<input type="text"/>

### PSYCHOLOGY, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3	<input type="text"/>
MTH 2502	Statistics	3	MATH 80 or	Probability and Statistics (4) or	4	<input type="text"/>
			PSYC 5*	Statistics for Behavioral Sciences* (4)		

\* Note: PSYC 5 does not satisfy the Mathematics General Education requirement.

### SOCIOLOGY, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CCSF TRANSFERABLE COURSES			
Course Code	Course Title	Sem. Units	Course Code	Course Title	Sem. Units	Completed
SOC 1001	Introduction to Sociology	3	SOC 1	Introduction to Sociology	3	<input type="text"/>
SOC 1009	Cultural Anthropology	3	ANTH 3	Intro Social/Cultural Anthropology	3	<input type="text"/>

650.508.3600 NDNU Admissions Office

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

Articulation Agreement Updated: September 16, 2014 Approved by: Galen Anne Corson, Articulation Officer, [gcorson@ndnu.edu](mailto:gcorson@ndnu.edu)

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