

General Education Transfer Credit Agreement 2017-2018 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: 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>

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.

KEY:	C = Completed Course	<input type="checkbox"/> = A requirement that may be satisfied by a course taught at the transfer institution
	IP = In Progress Course	<input checked="" type="checkbox"/> = A requirement for which there is no equivalent course at the transfer institution; or, a course that must be taken at NDNU

NDNU GENERAL EDUCATION REQUIREMENTS

1 Freshman Seminar (3) *Freshmen take the course at NDNU. Waived for students transferring in more than 12 units.*

AT NDNU; OR WAIVED	<input checked="" type="checkbox"/> C	<input checked="" type="checkbox"/> IP
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A. FOUNDATION COURSES

18 units

1 Lower-division Writing (3)

ENGL 1A, 1C

LD WRIT	<input type="checkbox"/> C	<input type="checkbox"/> IP
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2 World History (6)

Section A: World History (3)

No equivalent course

Section B: A second course in World History (above) is required for entering freshmen, and preferred for transfer students. Transfer students may also satisfy the Section B requirement through one of the following General History courses.

HIST 1, 5, 9, 12A, 12B, 15A, 15B, 17A, 17B, 18A, 18B, 20, 21, 31, 34, 35A, 35B, 36, 37, 41A, 41B, 45, 48, 49,; **AFAM** 40, 42, 55, 60; **ASAM** 20; **LBSC** 70A, 70B, 88

WORLD HISTORY. First-time Freshmen: Students entering with no college credit at the time of matriculation to NDNU may fulfill this requirement by taking and passing HST 1000 and HST 1010. **Transfer Students:** Students entering with college credit at the time of matriculation to NDNU may transfer a World History course to satisfy the Section A or Section B requirement; or may take an approved general history course to satisfy the Section B requirement. At least (3) of the (6) units required must be in World History. A course in Western Civilization may not be applied to the World History general education requirement, but may transfer for general elective credit.

HST: A	<input type="checkbox"/> C	<input type="checkbox"/> IP
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HST: B	<input type="checkbox"/> C	<input type="checkbox"/> IP
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3 Mathematics (3)

MATH 70, 75, 80, 90, 95, 97, 100A, 100B, 110A, 110B, 110C, 115, 120, 125, 130

MTH	<input type="checkbox"/> C	<input type="checkbox"/> IP
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4 Modern Language/Culture and Language (6 units and completion of Level 2)

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.

LEVEL 1

Complete one course from Group A, or two courses from Group B.

Group A: CHIN 1; FREN 1; GERM 1; ITAL 1; JAPA 1; PIL 1; RUSS 1; SPAN 1

Group B: AMSL 1A*, 1B*; CHIN 1A, 1B; FREN 1A, 1B; GERM 1A, 1B; ITAL 1A, 1B; JAPA 1A, 1B; RUSS 1A, 1B; SPAN 1A, 1B

*AMSL Courses: A student may take ASML 1A, 1B, and 2A at CCSF, but AMSL 2B is not currently offered. The equivalent of AMSL 2B must be completed at another institution.

LANG: LEVEL 1	<input type="checkbox"/> C	<input type="checkbox"/> IP
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LEVEL 2

Complete one course from Group A, or two courses from Group B.

Group A: CHIN 2; FREN 2; GERM 2; ITAL 2; JAPA 2; PIL 2; RUSS 2; SPAN 2

Group B: AMSL 2A, (AMSL 2B is not offered, see note on AMSL courses above); CHIN 2A, 2B; FREN 2A, 2B; GERM 2A, 2B; ITAL 2A, 2B; JAPA 2A, 2B; RUSS 2A, 2B; SPAN 2A, 2B

LANG: LEVEL 2	<input type="checkbox"/> C	<input type="checkbox"/> IP
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You do not need to complete all of these GE or Major Requirements before transferring to Notre Dame de Namur University.

LEVEL 3

Complete at least one course from the following:

CHIN 3, 3A, 3B, 4, 4A, 4B, 30A, 30B, 30C; 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 3A, 3B; SPAN 3, 3A, 3B, 5, 5S, 6, 6A, 6B

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 satisfy the Modern Language requirement by completing Level 2 as described above, unless eligible for exemption. For majors leading to a B.S. degree, Foreign Culture and Language courses may be substituted for Foreign Language.

	C	IP
LANG: LEVEL 3	<input type="checkbox"/>	<input type="checkbox"/>

B. SOCIAL AND PERSONAL RESPONSIBILITY**9 units****1 Philosophy (3)**

PHIL 2, 4, 25A, 25C, 40; HUM 8

	C	IP
PHL	<input type="checkbox"/>	<input type="checkbox"/>

2 Religious Studies (6)

ANTH 8; ENGL 48K; HUM 7; IDST 4, 29

RELIGIOUS STUDIES. Students in day undergraduate programs must take at least three of these units at the upper-division level, and at least one course must be taken at NDNU.

	C	IP
REL: AT NDNU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	C	IP
REL	<input type="checkbox"/>	<input type="checkbox"/>

C. THE INDIVIDUAL, SOCIETY, AND THE ENVIRONMENT**9 units****1 Natural and Physical Sciences (3)**

ANAT 14, 25; ANTH 1; ASTR 1, 17, 18, 19; BIO 9, 11, 12, 14, 15, 30, 31, 31L*, 32, 32L*, 33, 40, 55, 61, 100A, 100B; BTEC 115, 120; CHEM 17, 32, 40, 101A, 101B, 103A, 110, 208A, 212A, 212B, *; DMI 51A; ECHO 301; EMT 100, 101A, 102, 104; EMT-P 120, 123, 126, 127, 128; ENRG 3; F SC 64; GEN 10, 11*; GEOG 1, 1L*; GEOL 10, 10L*, 11, 11L*, 31L*; HLTH 53; IDST 9; MB 10, 12; NURS 50, 50A + 50B, 51, 51L, 53, 54, 55, 56; NUTR 12, 52; OCAN 1, 1L*; PALE 1; PHTC 101, 103; PHYC 2A, 2AC*, 2AL*, 2B, 2BC*, 2BL*, 4A, 4AL*, 4B, 4BL*, 4C, 4CL*, 4D, 4DL*, 10, 10L*, 20, 40, 41; PHYS 1, 12, 67; PSC 11, 11L*; SUST 31L*; VOCN 42E; ZOOL 10

***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 appropriate lecture courses to meet the 3-unit requirement.

	C	IP
NSC	<input type="checkbox"/>	<input type="checkbox"/>

2 Social and Behavioral Sciences (3)

ADMJ 51, 57, 59; AFAM 30, 40, 70; AMC 5; ANTH 3, 3A, 4, 8, 11, 12, 15, 20, 25; ASAM 8, 10, 20, 22, 27, 30, 35, 40, 42; ASIA 15; CDEV 53, 61, 67, 76, 92, 93; ECON 1, 3, 6, 10, 15, 25, 30; CMST 5; FASH 28; GEOG 3, 4, 7; HLTH 5, 30, 52, 53, 54, 221, 231; IDST 7, 17, 29, 30, 37; LBSCS 15, 70, 70A, 70B, 88; LGBT 5, 9, 10, 21, 24, 50, 70; LALS 1, 9, 10, 11, 14, 15; MRKT 150; PHST 20, 30; POLS 1, 2, 3, 4, 5, 12, 18, 22, 25, 43, 45; PSYC 1, 10, 11, 21, 23, 25, 26, 40; SOC 1, 2, 3, 25, 30, 35, 50; WOMN 25

	C	IP
SOC	<input type="checkbox"/>	<input type="checkbox"/>

3 One Additional Course (3) From Natural/Physical Sciences; Social/Behavioral Sciences; or from Computational Science, below.

CS 111A plus 111B (preferred); 110A plus 110B; 110C, 111C, 211E, 270, 280; MATH 115, 120

	C	IP
NSC, SOC, or COMPL	<input type="checkbox"/>	<input type="checkbox"/>

D. CREATIVE ARTS**9 units****1 Literature (3)**

ENG 1036 is the requirement for students who fall under catalog year 2016-17 and thereafter. ENG 1040 is the requirement for students who fall under catalog year 2015-16 and prior; see advisor for additional information before registration in ENG 1040 transfer course.

ENG 1036: ENGL 1B

ENG 1040: ASAM 6; CLAS 35; ENGL 30A, 30B, 43, 44A, 44B, 46A, 46B, 46C, 51, 52, 53, 57, 58; IDST 14, 23, 27A, 27B, 36, 38, 44

LITERATURE. First-time Freshmen: Students entering as freshmen with no college credit at the time of matriculation to NDNU fulfill this requirement by taking and passing ENG 1036 or an equivalent transfer course. **Transfer Students:** Students entering with college credit at the time of matriculation to NDNU, and nontraditional age students, may satisfy this requirement with an approved transfer course. All Students may select from the courses that satisfy ENG 1036 or ENG 1040 to meet the requirement for One Additional Course in the Creative Arts, below. English Majors from any catalog year are advised to choose a course that transfers to satisfy the ENG 1036 requirement, above, and two World Literature courses to meet major prerequisite requirements.

	C	IP
LIT	<input type="checkbox"/>	<input type="checkbox"/>

2 Visual and Performing Arts (3)

A) Visual Arts: ART 101, 102, 103, 104, 105, 106, 107, 108, 109, 118, 125A-B, 126, 130A-C, 132A-, 136A-, 140A-D, 145A-D, 146A-D, 150A-D, 151A-C, 152A-B, 156, 170A-D, 180A-C; ASIA 15; BCST 100, 101, 103, 104, 105, 110; CINE 18, 19, 20A, 20B, 21, 22, 23A, 23B, 24, 25, 30, 40, 54, 56, 57, 60, 61, 72, 74, 75, 76, 85, 90, 124A, 124B, 126, 131, 136; DSGN 101, 150; FASH 112; HUM 11, 12, 20, 25, 35, 41, 41A-B, 43, 44A, 44B, 46A-C, 48, 48 A-O, 49 A-O, 50, 52, 53, 55, 56A-C, 57, 58A, 59; IDST 38; LALS 14; LGBT 20; PHOT 50A-B, 51, 52, 57, 60A-B*, 67, 80, 81A-B*, 82, 83*, 85A-B, 86, 90, 93*, 100, 101 B-D*, 102A-B*; VMD 101, 103, 105, 114A*, 116A-C*, 120, 122, 124, 130, 131, 134*, 136*, 150, 151, 152, 153, 154, 155, 170, 172

B) Music: MUS 1A-B, 3A-B, 4, 5A-B, 6A-D, 7C 1-4, 7P 1-4, 7T 1-4, 7V 1-4, 7W 1-4, 8 A-B, 9 A-C, 10A-D, 11, 12, 13A-B, 14, 15, 16, 17, 18, 19, 20, 22A-C, 23, 24, 25, 26, 27B, 27R, 27Q, 28, 29, 30, 41, 42, 44, 46, 47, 48 A-C, 200A-B*, 200C

C) Theatre and Dance: CLAS 35; DANC 30, 32, 100A-B, 101A-B*, 102A-B*, 107A*, 110A*, 111A*, 119B*, 120A-C*, 121B*, 122*, 124B*, 125A-C*, 126B*, 127*, 127B*, 128*, 129A-B*, 130B-C*, 132A*, 132C-D*, 133B-C*, 134B*, 135A-B*, 136-136D*, 137A-B*, 138B*, 138D*, 140A-B*, 141A-B*, 145A-B*, 146A-D*, 146C-D*, 147A-B*, 148A-B*, 150A-C*, 151A-C*, 152, 152A*, 153 A-C, 154 A-C, 155A-C*, 160A-D*, 161*, 175*; TH A 30, 31, 32, 33, 60, 61*, 62, 63, 71, 72, 73, 107A-C, 150 A-C, 151 A-C, 152A-C, 153 A-C, 154 A-C, 160 A-D, 162A-C, 166A-C, 170A-D, 171A-D, 201 A-C, 202A-C, 203 A-C, 204 A-C

	C	IP
VPA	<input type="checkbox"/>	<input type="checkbox"/>

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

3 One Additional Course (3) *From the above Creative Arts disciplines*

LIT or
VPA

C

IP

*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

9 units

1 Community Engagement (3) *Usually satisfied through the Major requirements*

CE

C

IP

PHOT 200A

COMMUNITY ENGAGEMENT. Additional courses, such as internships, may transfer upon review of the syllabus and other requested documentation. A Community Engagement Course engages faculty, students, and community in mutually beneficial and respectful collaboration, and requires students to complete at least 15 hours of community work. The Community Engagement Requirement may be double counted with courses from the approved list that also satisfy requirements in other areas of the student's program. This double counting of a class may only be done with the Community Engagement or Cultural Diversity requirements.

2 Cultural Diversity (6) *Generally does not add units; may double-count with a course in the General Education or Major requirements, except Culture and Language.*

CDIV

C

IP

ADMJ 59; AFAM 30, 40, 42, 55, 60, 70; ANTH 3, 3A, 4, 5, 8, 11, 12, 15, 20, 25; ART 104, 105, 106, 107, 108; ASAM 6, 8, 10, 20, 22, 27, 30, 35, 40, 42; BCST 104, 105, 106; CDEV 76, 93; CHIN 29A, 29B, 39, 49; CMST 5; ECON 15, 25, 30; ENGL 57, 58; FASH 23; GEOG 4; HLTH 52; HIST 9, 12A, 12B, 15A, 15B, 18A, 18B, 20, 21, 34, 35A, 35B, 36, 37, 41A, 41B, 45, 48; HUM 7, 8, 25, 48; IDST 4, 14, 27A, 27B, 29, 30, 31, 36, 37, 40, 42, 45; JAPA 39, 49; LBCS 15, 70A, 70B, 81, 88; LALS 1, 9, 10, 11, 14, 15; LGBT 5, 9, 10, 11, 12, 15, 20, 21, 24, 50, 55, 70, 75; MUS 21, 23, 24, 25, 26, 27C, 27T; PHST 20, 30; POLS 7, 8, 12, 18, 45, 48; PSYC 23; SOC 25; THA 163; WOMN 10, 25, 54

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. This double counting of a class may only be done with the Community Engagement or Cultural Diversity requirements.

CDIV

C

IP

U.S. HISTORY INSTITUTIONAL REQUIREMENT

3 units

1 HIST 1, 9, 12A, 12B, 15A, 15B, 17A, 17B, 41A, 41B, 45

US HST

C

IP

Students who have not completed a United States history course with grade "C" (2.0) or higher for each term in an American high school or an American international school are required to pass one 3-unit course in United States History. Please see catalog for more information.

650.508.3600 NDNU Admissions Office
<http://www.ndnu.edu> <http://www.ccsf.edu>

Articulation Agreement Updated: September 2017
Approved by: Galen Anne Corson, Articulation Officer, gcorson@ndnu.edu

Lower Division Major Preparation: Transfer Credit Agreement 2017-2018 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: www.ccsf.edu

KEY:	C = Completed Course	<input type="checkbox"/> = A requirement that may be satisfied by a course taught at the transfer institution
	IP = In Progress Course	<input checked="" type="checkbox"/> = A requirement for which there is no equivalent course at the transfer institution; or, a course that must be taken at NDNU

ACCOUNTING, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES		
Course Code	Course Title	Units	Course Code	Course Title	Units C IP
ACC 1216	Accounting Procedures	3	ACCT 10	Introduction to Accounting	5 <input type="checkbox"/> <input type="checkbox"/>
ACC 1224	Financial Accounting	3	ACCT 1	Financial Accounting	5 <input type="checkbox"/> <input type="checkbox"/>
ACC 1232	Managerial Accounting	3	ACCT 2	Managerial Accounting	5 <input type="checkbox"/> <input type="checkbox"/>
BUS 1000	Foundations of Business	3	GNBS 119	Introduction to Business	3 <input type="checkbox"/> <input type="checkbox"/>
BUS 1100	Macroeconomics	3	ECON 1	Principles of Macroeconomics	3 <input type="checkbox"/> <input type="checkbox"/>
BUS 1108	Microeconomics	3	ECON 3	Principles of Microeconomics	3 <input type="checkbox"/> <input type="checkbox"/>
<i>The following is a prerequisite to enrollment in the following courses to satisfy Accounting major requirements: BUS 2224 – Corporate Finance I; BUS 2980 or BUS 2980W – Business Policies/Strategies.</i>					
MTH 2502	Statistics (3)		MATH 80	Probability and Statistics	4 <input type="checkbox"/> <input type="checkbox"/>

ART, B.A. and ART, B.F.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES		
Course Code	Course Title	Units	Course Code	Course Title	Units C IP
ART 1001	Drawing I	3	ART 130A	Basic Drawing	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1002	Drawing II	3	ART 130B	Intermediate Drawing	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1018	Life Drawing I	3	ART 132A	Beginning Figure Drawing	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1019	Life Drawing II	3	ART 132B	Intermediate Figure Drawing	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1101	Two Dimensional Design	3	ART 125A	Basic Design	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1109	Color and Design	3	ART 126	Color	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1118	Three Dimensional Design	3	ART 125B	Advanced Design	3 <input type="checkbox"/> <input type="checkbox"/>
ART 1127	Advanced Design	3	N/A	No equivalent course	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
ART 1201	Art History Survey	3	ART 101 or	Western Art History (to 500 A.D.) (3) or	3 <input type="checkbox"/> <input type="checkbox"/>
			ART 102	Western Art History (6 th -18 th C) (3)	<input type="checkbox"/> <input type="checkbox"/>

ART AND GRAPHIC DESIGN, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
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 1101	Two Dimensional Design	3	ART 125A	Basic Design	3		
ART 1109	Color and Design	3	ART 126	Color	3		
ART 1118	Three Dimensional Design	3	ART 125B	Advanced Design	3		
ART 1127	Advanced Design	3	N/A	No equivalent course			
ART 1201	Art History Survey	3	ART 101 or	Western Art History (to 500 A.D. (3) or	3		
			ART 102	Western Art History (6th-18th C) (3)			

BIOLOGICAL SCIENCES

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO 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	BIO 100B	General Biology	5		
BIO 1103/L	General Biology II/Lab	3 + 1	BIO 100A	General Biology	5		
CHE 1202/L	General Chemistry I/Lab	4	CHEM 101A	General College Chemistry	5		
CHE 1204/L	General Chemistry II/Lab	3 + 1	CHEM 101B	General College Chemistry	5		
MTH 1216	Precalculus with Trigonometry	4	MATH 97	Precalculus	5		
MTH 2502/L	Statistics	3	MATH 80	Probability and Statistics	4		
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	PHYC 2A/L	Introductory Physics/Lab	3 + 1		
PHY 1205/L	College Physics II/Lab	3 + 1	PHYC 2B/L	Introductory Physics/Lab	3 + 1		
MTH 1320	Calculus I	4	MATH 110A	Calculus I	5		

BUSINESS ADMINISTRATION, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BUS 1000	Foundations of Business	3	GNBS 119	Introduction to Business	3		
BUS 1008	Building Business Values	3	GNBS 120	Business Ethics	3		
BUS 1100	Macroeconomics	3	ECON 1	Principles of Macroeconomics	3		
BUS 1108	Microeconomics	3	ECON 3	Principles of Microeconomics	3		
ACC 1216	Accounting Procedures	3	ACCT 10	Introduction to Accounting	5		
BUS 1224	Financial Accounting	3	ACCT 1	Financial Accounting	5		
BUS 1232	Managerial Accounting	3	ACCT 2	Managerial Accounting	5		
The following is a prerequisite to enrollment in the following courses to satisfy Business Administration major requirements: BUS 2224 – Corporate Finance I; BUS 2305C – Community-Based Research and Statistical Analysis; BUS 2980 or BUS 2980W – Business Policies/Strategies.							
MTH 2502	Statistics (3)		MATH 80	Probability and Statistics	4		

COMMUNICATION, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
COM 1000	Introduction to Communication	3	BCST 103	Mass Media and Society	3		
COM 1001	Public Relations Principles	3	JOUR 26	Fundamentals of Public Relations	3		
COM 1008	Oral Communication	3	CMST 1A	Elements of Public Speaking	3		
COM 1456L	Media Production Lab	3	JOUR 24	Newspaper Laboratory	4		

COMPUTER AND INFORMATION SCIENCE, B.S.

Track 1 Software Engineering

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
CIS 1130	Foundations / Computer Science (4) plus	5	CS 111A plus	Introduction to Programming: Java (4) plus	8	<input type="checkbox"/>	<input type="checkbox"/>
CIS 1130/L	Programming Laboratory (1)		CS 111B; or	Programming Fundamentals (4); or		<input type="checkbox"/>	<input type="checkbox"/>
			CS 110A plus	Introduction to Programming C++ (4) plus			
			CS 110B	Programming Fundamentals: C++ (4)			
CIS 1140	Data Structure and Abstraction	4	CS 111C or	Data Structure and Algorithms: Java (4) or	4	<input type="checkbox"/>	<input type="checkbox"/>
			CS 110C	Data Structure and Algorithms: C++ (4)			
MTH1320	Calculus I	4	MATH 110A	Calculus I	5	<input type="checkbox"/>	<input type="checkbox"/>
MTH1321	Calculus II	4	MATH 110B	Calculus II	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)*		CS 270	Computer Arch with Assembly Language	3	<input type="checkbox"/>	<input type="checkbox"/>

* 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.

Track 2 Management Information Systems

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
CIS 1130	Foundations / Computer Science (4) plus	5	CS 111A plus	Introduction to Programming: Java (4) plus	8	<input type="checkbox"/>	<input type="checkbox"/>
CIS 1130/L	Programming Laboratory (1)		CS 111B; or	Programming Fundamentals (4); or		<input type="checkbox"/>	<input type="checkbox"/>
			CS 110A plus	Introduction to Programming C++ (4) plus			
			CS 110B	Programming Fundamentals: C++ (4)			
CIS 1140	Data Structure and Abstraction	4	CS 111C or	Data Structure and Algorithms: Java (4) or	4	<input type="checkbox"/>	<input type="checkbox"/>
			CS 110C	Data Structure and Algorithms: C++ (4)			
BUS 1000	Foundations of Business	3	GNBS 119	Introduction to Business	3	<input type="checkbox"/>	<input type="checkbox"/>
MTH1322	Applied Calculus	4	MATH 100A	Short Calculus I	3	<input type="checkbox"/>	<input type="checkbox"/>
MTH2502	Statistics	3	MATH 80	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"/>

ENGLISH, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
ENG 1030	First Year Composition	3	ENGL 1A, or	University-Parallel Reading and Composition (3), or	3	<input type="checkbox"/>	<input type="checkbox"/>
			ENGL 1C	Advanced Composition (3)		<input type="checkbox"/>	<input type="checkbox"/>
ENG 1036	Literary Engagements	3	ENGL 1B	Reading/Writing/Critical Thinking about Literature	3	<input type="checkbox"/>	<input type="checkbox"/>
ENG 1040	Classics of World Literature I	3	ENGL 44A	Survey World Lit., Ancient/Medieval/Early Modern	3	<input type="checkbox"/>	<input type="checkbox"/>
ENG 1041	Classics of World Literature II	3	ENGL 44B	Survey World Lit., Early Modern to Present	3	<input type="checkbox"/>	<input type="checkbox"/>

HEALTH SCIENCES, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CHE 1200/L	General, Organic, and Biological Chemistry / Lab (3 + 1)	4	CHEM 32	Introduction to Medical Chemistry	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1000	Introduction to Health Sciences	3	N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HSC 1002	Microbes and Diseases	3	MB 10 or	Emerging Diseases (3) or	3-4	<input type="checkbox"/>	<input type="checkbox"/>
			BIO 120	Introduction to Microbiology (4)			
HSC 1005/L	Anatomy and Physiology I / Lab (3 + 1)	4	ANAT 25 plus	General Human Anatomy plus	4	<input type="checkbox"/>	<input type="checkbox"/>
HSC 1006/L	Anatomy and Physiology II / Lab (3 + 1)	4	PHYS 1	Human Physiology	4	<input type="checkbox"/>	<input type="checkbox"/>
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502	Statistics	3	MATH 80	Probability and Statistics	4	<input type="checkbox"/>	<input type="checkbox"/>
MTH 2502L, or	Excel for Statistics (1), or	1	N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MTH 2503L	SPSS for Statistics (1)		N/A	No equivalent course		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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HISTORY, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
HST 1000	World History I	3	N/A	No equivalent course			
HST 1010	World History II	3	N/A	No equivalent course			
PSC 1000	Introduction to American Government	3	POLS 1	American Government	3		
PSC 1100	Introduction to Comparative Government	3	POLS 2	Comparative Government	3		

HUMAN SERVICES, B.S.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
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			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1101/L	General Biology I/Lab	3 + 1	BIO 100B	General Biology	5		
BIO 1103/L	General Biology II/Lab	3 + 1	BIO 100A	General Biology	5		
MTH 2502	Statistics	3	MATH 80	Probability and Statistics	4		
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3		
<i>One Chemistry course from the following. In the case that a lecture course has a separate lab, the lab course is optional.</i>			<i>One Chemistry course from the following. In the case that a lecture course has a separate lab, the lab course is optional.</i>				
CHE 1101	Introductory Chemistry (3)	3-4	CHEM 40	Introduction Chemical Principles	5		
CHE 1200	General, Organic, and Biological Chemistry (3)		CHEM 32	Introduction to Medical Chemistry	4		
CHE 1200L	General, Organic, and Biological Chemistry Lab (1) (optional)						
CHE 1202	General Chemistry I (3)		CHEM 101A	General College Chemistry	6		
CHE 1202 L	General Chemistry I Lab (1) (optional)						
CHE 1204	General Chemistry II (3)		CHEM 101B	General College Chemistry	5		
CHE 1204 L	General Chemistry II Lab (1) (optional)						

*Note: CHE 1202, CHE 1202L, CHE 1204, CHE 1204L: recommended for students interested in graduate Physical Therapy and Kinesiology programs.

LIBERAL ARTS, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1009	Introduction to Biology	3	BIO 11	The Science of Living Organisms	4		
PHY 1109	Introduction to Physical Science	3	P SC 11	Physical Science	3		
PSC 1000	Introduction American Government	3	POLS 1	American Government	3		
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3		

LIBERAL STUDIES, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
BIO 1009/1109L	Introduction to Biology with Lab	3.5	BIO 11	Intro Science of Living Organisms	4		
PSC 1000	Introduction American Government	3	POLS 1	American Government	3		
For Credential students, one course from the following:			For Credential students, one course from the following:				
ART 2605 or	Art Education Concepts (3) or		N/A	Must be taken at NDNU			
THE 2151	Children's Theatre (3)		N/A	Must be taken at NDNU			
For Non-Credential Students:			For Non-Credential Students:				
Three units within the Visual and Performing Arts meeting one of the following criteria: One 3-unit content course, or 3 units in studio/performance or concepts.			Three units within the Visual and Performing Arts meeting one of the following criteria: One 3-unit content course, or 3 units in studio/performance or concepts.				
REL 1250	World Religions	3	HUM 7	Comparative Religions	3		
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3		

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MUSICAL PERFORMANCE, B.F.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
Applied Performance			Applied Performance				
<i>(1) Fourteen units of major instrument and/or vocal coaching, determined by advisement and track are required. The lower-division courses that may satisfy the requirement are:</i>			<i>(1) Fourteen units of major instrument and/or vocal coaching, determined by advisement and track are required. The lower-division courses that may satisfy the requirement are:</i>				
MUS 1600	Individual Instruction: Voice	1-4	MUS 10A-D	Beg (3), Adv Beg (3), Int (3), or Adv Int (3)	3		
MUS 1605	Individual Instruction: Piano	.5-4	MUS 9A or 9B	Beginning Piano (3), or Intermediate Piano (3)	3		
MUS 1607	Individual Instruction: Collaborative Piano	1-4	N/A	No equivalent course			
MUS 1610	Individual Instruction: Instrument	1-4	1-4 units of Individual Instruction on an Instrument		1-4		
MUS 1615	Vocal Coaching	.5-1	N/A	No equivalent course			
<i>(2) Eight units of performance and repertoire courses, determined by advisement and track are required. Lower-division courses that may satisfy the requirement are:</i>			<i>(2) Eight units of performance and repertoire courses, determined by advisement and track are required. Lower-division courses that may satisfy the requirement are:</i>				
MUS 1000	Piano/Instrumental Performance and Repertoire	1	MUS 19	Piano Ensemble and Repertoire	3		
MUS 1005	Vocal Performance and Repertoire	1	N/A	No equivalent course			
<i>(3) Eight units of ensembles/workshop, determined by advisement and track are required. The lower-division courses that may satisfy the requirement are:</i>			<i>(3) Eight units of ensembles/workshop, determined by advisement and track are required. The lower-division courses that may satisfy the requirement are:</i>				
MUS 1050	Opera Workshop	1-3	N/A	No equivalent course			
MUS 1063	Chanteurs Concert Choir	1	MUS 14	Chorale	3		
MUS 1065	Camerata Chamber Ensemble	1	N/A	No equivalent course			
MUS 1070	Orchestra	1	MUS 15	Orchestra	3		
MUS 1120	Musical Theatre Workshop	1-4	N/A	No equivalent course			
MUS 1730	Ensemble	1-3	N/A	No equivalent course			
Musicianship			Musicianship				
MUS 1150	Computer Applications in Music	3	MUS 29	Electronic Music	3		
MUS 1200	Music Theory I	3	MUS 1A	Beginning Musicianship	3		
MUS 1201	Musicianship	1	MUS 4	Music Fundamentals	3		
MUS 1205	Music Theory II	3	MUS 1B	Intermediate Musicianship	3		
MUS 1210	Music Theory III	3	MUS 3A	Diatonic Harmony	3		
MUS 1215	Music Theory IV	3	MUS 3B	Chromatic Harmony	3		
MUS 1614	Indiv Instruct: Music Theory	1-4	N/A	No equivalent course			

POLITICAL SCIENCE, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
HST 1000	World History I	3	N/A	No equivalent course			
HST 1010	World History II	3	N/A	No equivalent course			
PSC 1000	Introduction to American Government	3	POLS 1	American Government	3		
PSC 1100	Introduction to Comparative Government	3	POLS 2	Comparative Government	3		

PSYCHOLOGY, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
PSY 1001	Introduction to Psychology	3	PSYC 1	General Psychology	3		
MTH 2502	Statistics	3	MATH 80 or PSYC 5*	Probability and Statistics (4) or Statistics for Behavioral Sciences* (5)	4-5		

* Note: PSYC 5 does not satisfy the Mathematics General Education requirement at NDNU, but may be a suitable choice for students to meet the statistics requirement, provided that they have completed the Math GE requirement through another course. MTH 2502 is highly recommended for students who are going on to graduate school

SOCIOLOGY, B.A.

NDNU LOWER-DIVISION MAJOR PREPARATION			CITY COLLEGE OF SAN FRANCISCO EQUIVALENT COURSES				
Course Code	Course Title	Units	Course Code	Course Title	Units	C	IP
SOC 1001	Introduction to Sociology	3	SOC 1	Introduction to Sociology	3		
SOC 1009	Cultural Anthropology	3	ANTH 3	Intro Social/Cultural Anthropology	3		

650.508.3600 NDNU Admissions Office

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

Articulation Agreement Updated: September 2017

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

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