

# General Education Transfer Credit Agreement 2014-2015 Catalog

This articulation agreement describes how courses taken at Cabrillo College 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 to meet with a transfer counselor: | 650.508.3600 NDNU Admissions Office |
|--------------------------------------------------------------------------------------|-------------------------------------|
| Course Descriptions and Major Prerequisites:                                         | http://www.ndnu.edu/catalog         |
| More information on Cabrillo College:                                                | http://www.cabrillo.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.

| N  | NDNU GENERAL EDUCATION REQUIREMENTS                                                                                                                          |                                                                            |                  |  |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------|--|--|--|--|--|
|    | FRESHMAN YEAR SEMINAR (3)                                                                                                                                    | Waived for students transferring in more than 12 units                     |                  |  |  |  |  |  |
| -  | DISCIPLINE-SPECIFIC TECHNOLOGY                                                                                                                               | Usually taken at NDNU as part of major requirements                        |                  |  |  |  |  |  |
| Α. | FOUNDATION COURSES                                                                                                                                           |                                                                            |                  |  |  |  |  |  |
|    | LOWER-DIVISION WRITING (3)                                                                                                                                   |                                                                            | Completed        |  |  |  |  |  |
|    | ENGL 1A, 1AH, 1AMC, 1AMCH, 1C, 2, 2H, 2MC, 2MCH                                                                                                              |                                                                            |                  |  |  |  |  |  |
|    | WORLD HISTORY (6)                                                                                                                                            |                                                                            |                  |  |  |  |  |  |
|    | HIST 2A, 2B                                                                                                                                                  |                                                                            |                  |  |  |  |  |  |
|    | MATHEMATICS (3)                                                                                                                                              |                                                                            |                  |  |  |  |  |  |
| _  | MATH 3, 4, 5A, 5B, 5C, 6, 7, 10, 12, 12H, 13, 15, 18, 23                                                                                                     |                                                                            |                  |  |  |  |  |  |
|    | MODERN LANGUAGE/ CULTURE AND LANGUAGE (6)                                                                                                                    |                                                                            |                  |  |  |  |  |  |
|    | Student must demonstrate language proficiency equivalent to a minimun                                                                                        | n 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                                                                                | he same language.                                                          |                  |  |  |  |  |  |
|    | Level 1: ASL 1; FR 1; GRMN 1; ITAL 1; JAPAN 1; SPAN 1; 16                                                                                                    | Level 3: ASL 3; FR 3; ITAL 3; SPAN 3; 4; 5A; 25;                           | 26; 30B          |  |  |  |  |  |
| -  | Level 2: ASL 2; FR 2; GRMN 2; ITAL 2; JAPAN 2; SPAN 2; 17                                                                                                    |                                                                            | <u> </u>         |  |  |  |  |  |
|    | WORLD HISTORY. Transfer students (30 or more transferable units) may fulfill<br>described in the NDNU catalog. Note: History coursework taken by any student |                                                                            | •                |  |  |  |  |  |
|    | requirement, provided course content meets the criteria for Section A (World F                                                                               |                                                                            |                  |  |  |  |  |  |
|    | History coursework may be transferred in by any student to satisfy this requirement                                                                          | ent. The only exception to the World History requirement for transfer cou  | ses taken after  |  |  |  |  |  |
|    | matriculation is for a course from a school that does not offer World History (effect                                                                        | ctive Fall 2012 catalog). Please speak with your transfer counselor for mo | e information.   |  |  |  |  |  |
|    | MODERN LANGUAGE/CULTURE AND LANGUAGE. Students who have complete                                                                                             | ed the third-year level of one foreign language in high school with a gra  | de of C (2.0) or |  |  |  |  |  |
|    | higher in each term of the third year are exempt from the foreign language                                                                                   |                                                                            |                  |  |  |  |  |  |
|    | requirement by completing Level 2 as described above, unless eligible<br>courses may be substituted for Foreign Language.                                    | for exemption. For majors leading to a B.S. degree, Foreign Culture        | and Language     |  |  |  |  |  |
|    | courses may be substituted for Foreign Language.                                                                                                             |                                                                            |                  |  |  |  |  |  |
| Β. | SOCIAL AND PERSONAL RESPONSIBILI                                                                                                                             | ТҮ                                                                         |                  |  |  |  |  |  |
|    | PHILOSOPHY (3)                                                                                                                                               |                                                                            | Completed        |  |  |  |  |  |
| -  | PHILO 4, 6, 7, 8, 9, 10, 10H, 12, 14, 15, 16, 17                                                                                                             |                                                                            |                  |  |  |  |  |  |
|    | RELIGIOUS STUDIES (6)                                                                                                                                        |                                                                            |                  |  |  |  |  |  |
|    | ANTHR 8                                                                                                                                                      | PHILO 15                                                                   |                  |  |  |  |  |  |

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 IN  | DIVIDUAL, SOCIETY, AND THE                           | ENVIROI | NMENT                                 |           |
|------------|------------------------------------------------------|---------|---------------------------------------|-----------|
| NATURAL AI | ND PHYSICAL SCIENCES (3)                             |         |                                       | Completed |
| ANTHR      | 1, 1H, 1L*                                           | GEOL    | 10, 15, 20, 25                        |           |
| ASTRO      | 3, 4, 7                                              | HS      | 10, 20, 24                            |           |
| BIO        | 1A, 1B, 1C, 4, 4A*, 5, 6, 11A, 11B, 11C, 13A, 13AL*  | KIN     | 10B                                   |           |
| CHEM       | 1A, 1B; 3, 3L* (formerly CHEM 2); 5, 10, 12A, 12AL*, | METEO   | 1, 1L*                                |           |
|            | 12B, 12BL*, 30A, 30B, 32                             | N       | 14, 24, 34, 44                        |           |
| ENGR       | 3                                                    | OCEAN   | 10                                    |           |
| ES         | 10, 10L*                                             | PHYS    | 2A, 2B, 4A, 4B, 4C, 4D, 10, 10L*, 11  |           |
| FT         | 5                                                    | RT      | 51 plus 51L*                          |           |
| GE0G       | 1, 1L*, 5                                            |         |                                       |           |
| SOCIAL AND | BEHAVIORAL SCIENCES (3)                              |         |                                       |           |
| ANTHR      | 2, 2H, 6, 7                                          | GE0G    | 2, 4                                  |           |
| AP         | 35                                                   | HS      | 15                                    |           |
| BUS        | 75                                                   | HSERV   | 70                                    |           |
| CJ         | 1, 2, 5, 12, 20                                      | PS      | 1, 1H, 2, 3, 4, 5                     |           |
| COMM       | 12                                                   | PSYCH   | 1, 1H, 6, 8, 26, 31, 33, 35ABC, 39ABC |           |
| ECE        | 31, 32, 52                                           | SOC     | 1, 1H, 2, 2H, 3, 5, 8, 9, 10, 47      |           |
| ECON       | 1A, 1B                                               | WS      | 1, 2, 5, 7, 11                        |           |
|            | ONAL COURSE (3)                                      |         |                                       |           |

#### **ONE ADDITIONAL COURSE (3)**

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

| CS | 12J plus 20J (preferred); CS 11 plus 19; 21, 23, 24 |  |
|----|-----------------------------------------------------|--|
|----|-----------------------------------------------------|--|

\*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.

MATH

6,23

## D. CREATIVE ARTS

| ITERATURE | (3)                                                   |               |                                                     | Completea |
|-----------|-------------------------------------------------------|---------------|-----------------------------------------------------|-----------|
| ENGL      | 1B, 1BMC, 20A, 20B, 24A, 24B, 30A, 30B, 34, 39, 40, 4 | 41A, 41B, 45, | 46A, 46B, 48A                                       |           |
| SUAL AND  | PERFORMING ARTS (3)                                   |               |                                                     |           |
| ART       | 2A, 2B, 3A, 3B, 4, 5, 8A, 8B, 10A*, 11A, 11B, 21*,    | MUS           | 1, 1M, 2, 2M, 3, 3M, 4, 4M, 5, 6, 9A, 10, 10M,      |           |
|           | 23*, 24*, 27, 28, 31A, 31B, 33, 34A, 34B, 35, 36,     |               | 11A, 11LA, 12, 13A, 15A*, 15B*,  15C, 16*, 17A*,    |           |
|           | 37A, 37B, 44A, 46C, 48*, 52, 54*                      |               | 17B*, 17C*, 17LD*, 18A*, 18B*, 18CB, 18JB*,         |           |
| AH        | 10, 11, 11H, 12, 13, 13H, 14, 16, 17, 18, 19, 20A,    |               | 19AA*, 19BB*, 20*, 22A*, 22B*, 23*, 23L*, 24A*,     |           |
|           | 20B, 52, 53, 77                                       |               | 24ADV*, 24B*, 24C*, 26A*, 26B*, 26C*, 27*,          |           |
| AP        | 6*, 9A, 9B, 9C, 14, 15, 28*, 42, 43, 45,46A, 46B,     |               | 28*, 33A*, 33B*, 33C*, 33D*, 36*, 38*, 39*, 40*,    |           |
|           | 46C, 47, 52, 54*                                      |               | 46*, 47*, 49*, 50*, 51A*, 51B*, 51C*, 51D*,         |           |
| DANCE     | 1, 2A*, 2B*, 9A*, 9B*, 10A*, 10B*, 11A*, 11B*, 12A*,  |               | 51J*, 52*, 52LA*, 56*, 57A*, 57B*, 57NS*, 58*,      |           |
|           | 12B*, 15A*, 15B*, 16A*, 16B*, 17A*, 17B*, 17C*, 19A*, |               | 61*, 62*, 64*, 65*, 66*, 67*, 68*, 68CP*, 74,       |           |
|           | 19B*, 19C*, 69*,74*, 76*, 78*, 81*, 82*, 86*, 92      |               | 75*, 76MT*, 77, 85A*                                |           |
| DM        | 1, 3, 4, 6, 8, 11, 12, 13, 76                         | TA            | 7, 8, 9, 10A, 10B, 10C, 11, 12A*, 12B, 13A,         |           |
| ENGL      | 14C, 49A                                              |               | 13B, 14, 15, 17, 18, 21*, 27*, 28, 29*, 31, 33, 34, |           |
|           |                                                       |               | 35, 72*, 73*, 74, 75*, 85A*, 85B*, 85L*, 85P*       |           |

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

| <b>COMMUNITY ENGAGEMENT (3)</b><br>Please see transfer counselor for more information. |                                |       |                                                | Completed |
|----------------------------------------------------------------------------------------|--------------------------------|-------|------------------------------------------------|-----------|
| CULTURAL DI                                                                            | VERSITY (6)                    |       |                                                |           |
| ANTHR                                                                                  | 2, 2Н, 6, 7, 8,17              | HIST  | 6, 14, 14H, 16A, 16B, 16C, 18A, 18B, 19A, 19B, |           |
| AH                                                                                     | 16, 17, 19, 52                 |       | 19C, 21A, 21AH, 21B, 21BH, 23, 29A, 29B        |           |
| AP                                                                                     | 35                             | PHILO | 14, 15                                         |           |
| ENGL                                                                                   | 24A, 24B, 39, 40, 41A, 41B, 45 | SOC   | 2, 2H, 3, 8, 9                                 |           |
| GEOG                                                                                   | 2, 4                           | WS    | 1, 2, 5, 7, 11                                 |           |

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, Geography 2 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.

## U.S. HISTORY INSTITUTIONAL REQUIREMENT

HIST 17A, 17AH, 17B, 17BH, 18A, 18B, 21A, 21AH, 21B, 21BH, 29A, 29B

U.S. HISTORY INSITUTIONAL 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.

650.508.3600 NDNU Admissions Office

http://www.ndnu.edu http://www.cabrillo.edu

Articulation Agreement Updated: September 16, 2014 Approved by: Galen Anne Corson, Articulation Officer, gcorson@ndnu.edu



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

Notre Dame de Namur University agrees to accept the Cabrillo 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 Cabrillo College:                                        | http://www.cabrillo.edu             |

## ART, B.A.

|             |                                         |       | ,           |                                      |       |           |
|-------------|-----------------------------------------|-------|-------------|--------------------------------------|-------|-----------|
| NDNU LOW    | ER-DIVISION MAJOR PREPARATION           |       | CABRILLO (  | COLLEGE TRANSFERABLE COURSES         |       |           |
|             |                                         | Sem.  |             |                                      | Sem.  |           |
| Course Code | Course Title                            | Units | Course Code | Course Title                         | Units | Completed |
| ART 1001    | Drawing I                               | 3     | ART 2A      | Drawing and Composition              | 3     |           |
| ART 1002    | Drawing II                              | 3     | ART 2B      | Drawing and Composition              | 3     |           |
| ART 1018    | Life Drawing I                          | 3     | ART 3A      | Life Drawing                         | 3     |           |
| ART 1019    | Life Drawing II                         | 3     | ART 3B      | Life Drawing                         | 3     |           |
| ART 1101    | Two Dimensional Design                  | 3     | ART 4       | Beginning Design: Design and Color   | 3     |           |
| ART 1109    | Color Design                            | 3     |             | No equivalent course                 |       |           |
| ART 1118    | Three Dimensional Design                | 3     | ART 5       | Beginning Design: 3-Dimensional Form | 3     |           |
| ART 1127    | Advanced Design                         | 3     |             | No equivalent course                 |       |           |
| ART 1201    | Art through Time: An Art History Survey | 3     | AH 13/H     | Renaissance to Mid-19th Century      | 3     |           |

## ART AND GRAPHIC DESIGN, B.A.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION           |       | CABRILLO (  | COLLEGE TRANSFERABLE COURSES         |       |           |
|-------------|-----------------------------------------|-------|-------------|--------------------------------------|-------|-----------|
|             |                                         | Sem.  |             |                                      | Sem.  |           |
| Course Code | Course Title                            | Units | Course Code | Course Title                         | Units | Completed |
| ART 1001    | Drawing I                               | 3     | ART 2A      | Drawing and Composition              | 3     |           |
| ART 1010    | Drawing with Illustrator                | 3     |             | No equivalent course                 |       |           |
| ART 1018    | Life Drawing I                          | 3     | ART 3A      | Life Drawing                         | 3     |           |
| ART 1019    | Life Drawing II                         | 3     | ART 3B      | Life Drawing                         | 3     |           |
| ART 1101    | Two Dimensional Design                  | 3     | ART 4       | Beginning Design: Design and Color   | 3     |           |
| ART 1109    | Color Design                            | 3     |             | No equivalent course                 |       |           |
| ART 1118    | Three Dimensional Design                | 3     | ART 5       | Beginning Design: 3-Dimensional Form | 3     |           |
| ART 1127    | Advanced Design                         | 3     |             | No equivalent course                 |       |           |
| ART 1201    | Art through Time: An Art History Survey | 3     | AH 13/H     | Renaissance to Mid-19th Century      | 3     |           |

## BIOLOGY, B.S.

|                          |                                                |          | e 2 e 3 i , 2 i e   | •                                               |       |           |
|--------------------------|------------------------------------------------|----------|---------------------|-------------------------------------------------|-------|-----------|
| NDNU LOWER-D             | DIVISION MAJOR PREPARATION                     |          | CABRILLO CO         | <b>DLLEGE</b> TRANSFERABLE COURSES              |       |           |
|                          |                                                | Sem.     |                     |                                                 | Sem.  |           |
| Course Code              | Course Title                                   | Units    | Course Code         | Course Title                                    | Units | Completed |
| BIO 1101 / L             | General Biology I / Lab                        | 3/1      | BIO 1A              | Cell and Molecular Biology                      | 5     |           |
| BIO 1103 / L             | General Biology II / Lab                       | 3/1      | BIO 1B or           | Animal Diversity/Evolutionary Principles (5) or |       |           |
|                          |                                                |          | BIO 1C              | Plant Biology/Ecological Principles (5)         |       |           |
| CHE 1202 / L             | General Chemistry I / Lab                      | 3/1      | CHEM 1A             | General Chemistry I                             | 5     |           |
| CHE 1204 / L             | General Chemistry II / Lab                     | 3/1      | CHEM 1B             | General Chemistry II                            | 5     |           |
| MTH 1216                 | Precalculus with Trigonometry *                | 4        | MATH 4              | Precalculus Algebra and Trigonometry            | 4     |           |
| One mathematics cou      | urse from the following:                       |          |                     |                                                 |       |           |
| MTH 1320* or             | Calculus I* (4) or                             | 3-4      | MATH 5A* or         | Analytic Geometry and Calculus I (5) or         | 5     |           |
| MTH 1322* or             | Applied Calculus* (4) or                       |          |                     | No equivalent course                            |       |           |
| MTH 2502*                | Statistics* (3)                                |          | MATH 12/H*          | Elementary Statistics (5)*                      |       |           |
| (2) semesters of College | e Physics or (2) semesters of Physics for Scie | entists: |                     |                                                 |       |           |
| PHY 1203 / L <b>plus</b> | College Physics I / Lab (4) plus               | 8        | PHYS 2A <b>plus</b> | General Physics 2A (4) plus                     | 8-10  |           |
| PHY 1205 / L; or         | College Physics II / Lab (4); or               |          | PHYS 2B; <b>or</b>  | General Physics 2B (4); or                      |       |           |
| PHY 1304 / L <b>plus</b> | Physics for Scientists I / Lab (4) plus        |          | PHYS 4A plus        | Physics Scientists and Engineers I (5) plus     |       |           |
| PHY 1306 / L             | Physics for Scientists II /Lab (4)             |          | PHYS 4B             | Physics Scientists and Engineers II (5)         |       |           |
| * 2 Math courses re      | auired which correspond to level 4 o           | n tha ma | th placement test   | or higher                                       |       |           |

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

### BIOCHEMISTRY, B.S.

| NDNU LOW       | ER-DIVISION MAJOR PREPARATION           |           | CABRILLO C        | OLLEGE TRANSFERABLE COURSES                     |       |           |
|----------------|-----------------------------------------|-----------|-------------------|-------------------------------------------------|-------|-----------|
|                |                                         | Sem.      |                   |                                                 | Sem.  |           |
| Course Code    | Course Title                            | Units     | Course Code       | Course Title                                    | Units | Completed |
| BIO 1101 / L   | General Biology I / Lab                 | 3/1       | BIO 1A            | Cell and Molecular Biology                      | 5     |           |
| BIO 1103 / L   | General Biology II / Lab                | 3/1       | BIO 1B or         | Animal Diversity/Evolutionary Principles (5) or | - 5   |           |
|                |                                         |           | BIO 1C            | Plant Biology/Ecological Principles (5)         |       |           |
| CHE 1202 / L   | General Chemistry I / Lab               | 3/1       | CHEM 1A           | General Chemistry I                             | 5     |           |
| CHE 1204 / L   | General Chemistry II / Lab              | 3/1       | CHEM 1B           | General Chemistry II                            | 5     |           |
| MTH 1320*      | Calculus I*                             | 4         | MATH 5A*          | Analytic Geom/Calc I*                           | 5     |           |
| MTH 1321*      | Calculus II* (recommended) (4)          |           | MATH 5B*          | Analytic Geom/Calc II* (recommended) (5)        |       |           |
| MTH 2502       | Statistics                              | 3         | MATH 12/H         | Elementary Statistics                           | 5     |           |
| PHY 1304 / L   | Physics for Scientists I /Lab           | 3/1       | PHYS 4A           | Physics for Scientists and Engineers I          | 5     |           |
| PHY 1306 / L   | Physics for Scientists II /Lab          | 3/1       | PHYS 4B           | Physics for Scientists and Engineers II         | 5     |           |
| * 2 Math cours | es required which correspond to level 4 | on the ma | ath placement tes | t, or higher.                                   |       |           |

# BUSINESS ADMINISTRATION, B.S.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION        |       | CABRILLO C  | OLLEGE TRANSFERABLE COURSES    |       |           |
|-------------|--------------------------------------|-------|-------------|--------------------------------|-------|-----------|
|             |                                      | Sem.  |             |                                | Sem.  |           |
| Course Code | Course Title                         | Units | Course Code | Course Title                   | Units | Completed |
| BUS 1000    | Foundations of Business              | 3     | BUS 20      | Introduction to Business       | 3     |           |
| BUS 1008    | Building Business Values             | 3     |             | No equivalent course           |       |           |
| BUS 1100    | Macroeconomics                       | 3     | ECON 1A     | Introduction to Macroeconomics | 3     |           |
| BUS 1108    | Microeconomics                       | 3     | ECON 1B     | Introduction to Microeconomics | 3     |           |
| BUS 1220    | Introduction to Financial Accounting | 3     | ACCT 1A     | Financial Accounting           | 4     |           |
| BUS 1232    | Managerial Accounting                | 3     | ACCT 1B     | Managerial Accounting          | 4     |           |
| BUS 1300    | Community Based Research/Stats       | 3     |             | No equivalent course           |       |           |

# COMMUNICATION, B.A.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION |       | CABRILLO C   | OLLEGE TRANSFERABLE COURSES         |       |           |
|-------------|-------------------------------|-------|--------------|-------------------------------------|-------|-----------|
|             |                               | Sem.  |              |                                     | Sem.  |           |
| Course Code | Course Title                  | Units | Course Code  | Course Title                        | Units | Completed |
| COM 1000    | Introduction to Communication | 3     | JOURN 21     | Mass Communications                 | 3     |           |
| COM 1008    | Oral Communication            | 3     | COMM 1/H     | Public Speaking                     | 3     |           |
| COM 1458L   | Media Production Lab          | 3     | JOURN 23A or | Reporting for the News Media (3) or | 3     |           |
|             |                               |       | JOURN 53     | Newspaper Production (3)            |       |           |

## COMPUTER AND INFORMATION SCIENCE, B.S.

Emphasis in Software Engineering

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION  |       | CABRILLO         | COLLEGE TRANSFERABLE COURSES                 |       |           |
|-------------|--------------------------------|-------|------------------|----------------------------------------------|-------|-----------|
|             |                                | Sem.  |                  |                                              | Sem.  |           |
| Course Code | Course Title                   | Units | Course Code      | Course Title                                 | Units | Completed |
| CIS 1130    | Foundations / Computer Science | 4     | CS 12J <b>or</b> | Intro Programming Concepts/Meth, Java (4) or | 4     |           |
|             |                                |       | CS 11            | Intro Programming Concepts/Meth, C++ (4)     |       |           |
| CIS 1130 L  | Programming Laboratory         | 1     |                  | No equivalent course                         |       |           |
| CIS 1140    | Data Structure and Abstraction | 4     | CS 21            | Intro Data Structures and Algorithms         | 4     |           |
| MTH 1320    | Calculus I                     | 4     | MATH 5A          | Analytic Geometry and Calculus I             | 5     |           |
| MTH 1321    | Calculus II                    | 4     | MATH 5B          | Analytic Geometry and Calculus II            | 5     |           |
| MTH 2522    | Probability and Statistics     | 4     |                  | No equivalent course                         |       |           |
| CIS 1150*   | Computer Organization * (4)    |       | CS 24            | Elementary Computer Organization* (4)        |       |           |

\* 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 |                                |       | CABRILLO COLLEGE TRANSFERABLE COURSES |                                              |       |           |  |
|---------------------------------------|--------------------------------|-------|---------------------------------------|----------------------------------------------|-------|-----------|--|
|                                       |                                | Sem.  |                                       |                                              | Sem.  |           |  |
| Course Code                           | Course Title                   | Units | Course Code                           | Course Title                                 | Units | Completed |  |
| CIS 1130                              | Foundations Computer Science   | 4     | CS 12J <b>or</b>                      | Intro Programming Concepts/Meth, Java (4) or | 4     |           |  |
|                                       |                                |       | CS 11                                 | Intro Programming Concepts/Meth, C++ (4)     |       |           |  |
| CIS 1130 L                            | Programming Laboratory         | 1     |                                       | No equivalent course                         |       |           |  |
| CIS 1140                              | Data Structure and Abstraction | 4     | CS 21                                 | Intro Data Structures and Algorithms         | 4     |           |  |
| BUS 1000                              | Foundations of Business        | 3     | BUS 20                                | Introduction to Business                     | 3     |           |  |
| MTH 1322                              | Applied Calculus               | 4     | MATH 18                               | Business Calculus                            | 3     |           |  |
| MTH 2502                              | Statistics                     | 3     | MATH 12/H                             | Elementary Statistics                        | 5     |           |  |
| MTH 2502 L                            | Excel for Statistics           | 1     |                                       | No equivalent course                         |       |           |  |

# HUMAN SERVICES, B.S.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION |       | CABRILLO    | COLLEGE TRANSFERABLE COURSES              |       |           |
|-------------|-------------------------------|-------|-------------|-------------------------------------------|-------|-----------|
|             |                               | Sem.  |             |                                           | Sem.  |           |
| Course Code | Course Title                  | Units | Course Code | Course Title                              | Units | Completed |
| PS 1001     | Introduction to Psychology    | 3     | PSYCH 1/H   | General Psychology                        | 3     |           |
| SOC 1001    | Introduction to Sociology     | 3     | SOC 1/H     | Intro to Sociology: Understanding Society | 3     |           |

# KINESIOLOGY, B.S.

| NDNU LOWE                                                                                                                                 | R-DIVISION MAJOR PREPARATION     |       | CABRILLO    | COLLEGE TRANSFERABLE COURSES                    |       | -         |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------|-------------|-------------------------------------------------|-------|-----------|--|--|
|                                                                                                                                           |                                  | Sem.  |             |                                                 | Sem.  |           |  |  |
| Course Code                                                                                                                               | Course Title                     | Units | Course Code | Course Title                                    | Units | Completed |  |  |
| BIO 1101 / L                                                                                                                              | General Biology I / Lab          | 3/1   | BIO 1A      | Cell and Molecular Biology                      | 5     |           |  |  |
| BIOL 1103 / L                                                                                                                             | General Biology II / Lab         | 3/1   | BIO 1B or   | Animal Diversity/Evolutionary Principles (5) or | 5     |           |  |  |
|                                                                                                                                           |                                  |       | BIO 1C      | Plant Biology/Ecological Principles (5)         |       |           |  |  |
| One Chemistry cou                                                                                                                         | rse from the following:          |       |             |                                                 |       |           |  |  |
| CHE 1101 or                                                                                                                               | Introductory Chemistry (3) or    | 3-4   | CHEM 10     | Concepts of Chemistry (4) or                    | 4-5   |           |  |  |
| CHE 1202 /L or                                                                                                                            | General Chemistry I/Lab (3/1) or |       | CHEM 1A     | General Chemistry I (5) or                      |       |           |  |  |
| CHE 1204 /L                                                                                                                               | General Chemistry II/Lab (3/1)   |       | CHEM 1B     | General Chemistry II (5)                        |       |           |  |  |
| MTH 2502                                                                                                                                  | Statistics                       | 3     | MATH 12/H   | Elementary Statistics                           | 5     |           |  |  |
| PSY 1001                                                                                                                                  | Introduction to Psychology       | 3     | PSYCH 1/H   | General Psychology                              | 3     |           |  |  |
| 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 LOWE            | R-DIVISION MAJOR PREPARATION                              |       | CABRILLO    | COLLEGE TRANSFERABLE COURSES |       |           |
|----------------------|-----------------------------------------------------------|-------|-------------|------------------------------|-------|-----------|
|                      |                                                           | Sem.  |             |                              | Sem.  |           |
| Course Code          | Course Title                                              | Units | Course Code | Course Title                 | Units | Completed |
| BIO 1009/1109L       | Introduction to Biology with Lab                          | 3.5   | BIO 11A     | General Biology              | 4     |           |
| PSC 1000             | Introduction American Government                          | 3     | PS 1/H      | Introduction to Government   | 3     |           |
| For Credential stu   | For Credential students, one course from the following: 3 |       |             |                              |       |           |
| ART 2605 or          | Art Education Concepts (3) or                             |       |             | Must be taken at NDNU        |       |           |
| THE 2151             | Children's Theatre (3)                                    |       |             | Must be taken at NDNU        |       |           |
| For Non-Credent      | ial Students:                                             |       |             |                              |       |           |
| Three units within t | he Visual and Performing Arts meeting                     | 3     |             | Three units, as described    | 3     |           |
| one of the following | g criteria: One 3-unit content course,                    |       |             |                              |       |           |
| or units in studio   | /performance or concepts                                  |       |             |                              |       |           |
| PSY 1001             | Introduction to Psychology                                | 3     | PSYCH 1/H   | General Psychology           | 3     |           |

7/28/15 Amendment to Articulation Agreement: BIO 11B has been changed to read BIO 11A.

## PSYCHOLOGY, B.A.

| NDNU LOWER-DIVISION MAJOR PREPARATION |                            |       | CABRILLO CO          | <b>DLLEGE</b> TRANSFERABLE COURSES      |       |           |
|---------------------------------------|----------------------------|-------|----------------------|-----------------------------------------|-------|-----------|
|                                       |                            | Sem.  |                      |                                         | Sem.  |           |
| Course Code                           | Course Title               | Units | Course Code          | Course Title                            | Units | Completed |
| PSY 1001                              | Introduction to Psychology | 3     | PSYCH 1/H            | General Psychology                      | 3     |           |
| MTH 2502                              | Statistics                 | 3     | MATH 12/H; <b>or</b> | Elementary Statistics / Honors (5) or   | 3-5   |           |
|                                       |                            |       | PSYCH 2A*            | Statistics for Behavioral Sciences* (3) |       |           |

\* Note: PSYCH 2A does not satisfy the NDNU Mathematics General Education requirement.

## SOCIOLOGY, B.A.

| NDNU LOWER-DIVISION MAJOR PREPARATION |                           |       | CABRILLO    | COLLEGE TRANSFERABLE COURSES              |       |           |
|---------------------------------------|---------------------------|-------|-------------|-------------------------------------------|-------|-----------|
|                                       |                           | Sem.  |             |                                           | Sem.  |           |
| Course Code                           | Course Title              | Units | Course Code | Course Title                              | Units | Completed |
| SOC 1001                              | Introduction to Sociology | 3     | SOC 1/H     | Intro to Sociology: Understanding Society | 3     |           |
| SOC 1009                              | Cultural Anthropology     | 3     | ANTHR 2/H   | Introduction to Anthropology: Cultural    | 3     |           |

650.508.3600 NDNU Admissions Office http://www.ndnu.edu http://www.cabrillo.edu

Articulation Agreement Updated: September 16, 2014 Approved by: Galen Anne Corson, Articulation Officer, gcorson@ndnu.edu