

# General Education Transfer Credit Agreement 2012-2014 Catalog

This articulation agreement describes how courses taken at West Valley 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 West Valley College:   | http://www.westvalley.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.

| Ν  | DNU GEI       | NERAL          | EDUCATION                     | REQUIREMEN  | NTS  |           |
|----|---------------|----------------|-------------------------------|---|--|-----------|
|    | FRESHMAN '    | YEAR SEMIN     | IAR (3)                       |   | Waived for students transferring in more than 12 units.    |           |
|    | DISCIPLINE-S  | SPECIFIC TEC   | CHNOLOGY                      |   | Usually taken at NDNU as part of major requirements.       |           |
| Α. | FOUND         | ATION          | COURSES                       |   |  |           |
|    | LOWER-DIVI    | SION WRITI     | NG (3)                        |   |  | Completed |
|    | ENGL          | 1A, 1C         |                               |   |  |           |
|    | WORLD HIST    | ORY (6)        |                               |   |  |           |
|    | HIST          | 5A, 5B         |                               |   |  |           |
|    | MATHEMAT      | ICS (3)        |                               |   |  |           |
|    | MATH          | D, G, 2, 3     | A, 3B, 4A, 4B, 4C, 8, 1       | 10, 10H, 12, 14, 19   |  |           |
|    | MODERN LA     | NGUAGE/ C      | ULTURE AND LANGU              | JAGE (6)  |  | Completed |
|    | Students mus  | t successfully | complete one course j         | from Level 1 and one cou  | rse from Level 2 in the same language; or, one course from |           |
|    | Level 2 and o | ne course fro  | m Level 3 in the same l       | language; or at least one   | course from Level 3.                                       |           |
|    |               |                |                               | NS 1A; PORTG 1A; RUSS   |  |           |
|    |               | •              |                               | <b>NS</b> 1B; <b>PORTG</b> 1B; <b>RUSS</b><br>, 2B; <b>ITAL</b> 2A, 2B; <b>JPNS</b> 2 | •  |           |
|    | Level 3.      | i miteri ZA, Z | 20, 3A, 30, <b>GERIVI</b> 2A, | , 20, IIAL 2A, 20, JF N3 2  | n, 20, <b>31 nii</b> 2n, 20                                |           |

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 transfer 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, Culture and Language courses (usually taken at NDNU) may be substituted for Modern Language.

| В. | SOCIAL       | AND PERSONAL RESPONSIBILI            | TY   |           |           |
|----|--------------|--------------------------------------|------|-----------|-----------|
|    | PHILOSOPHY   | (3)                                  |      |           | Completed |
| _  | PHIL         | 1, 2, 3, 4, 4H, 5, 6, 12, 16, 21, 22 |      |           |           |
|    | RELIGIOUS ST | TUDIES (6)                           |      |           |           |
|    | ANTH         | 55                                   | PHIL | 4, 4H, 16 |           |
|    | ENGL         | 44                                   |      |           |           |

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 AN                                      | ND PHYSICAL SCIENCES (3)                                     |               |                            | Completed |  |  |
| ANTHR   | 1  | GEOG          | 1                          |           |  |  |
| ASTRO   | 1, 1H, 2*, 2H*, 11, 14, 20, 21                               | GEOL          | 1A, 1AH, 1B, 2B*, 15       |           |  |  |
| BIO   | 2, 10, 11, 11H, 12, 13*, 14, 15, 18, 22, 23, 24, 34,         | OCEAN         | 1, 10                      |           |  |  |
|   | 35, 37, 38, 41, 42, 43, 45, 46, 47, 48, 55, 56, 57           | PSCI          | 10, 20, 40                 |           |  |  |
| CHEM  | 1A, 1B, 2, 12A, 12B, 30A, 30B                                | PHYS          | 2A, 2B, 4A, 4B, 4C, 10, 40 |           |  |  |
| SOCIAL AND                                      | BEHAVIORAL SCIENCES (3)                                      |               |                            |           |  |  |
| AJ  | 1, 2, 3, 4, 5, 6, 8  | GEOG          | 2, 6                       |           |  |  |
| ANTHR   | 2, 3, 3H, 55   | H ED          | 10                         |           |  |  |
| BIO   | 36   | PHIL          | 5                          |           |  |  |
| BUS   | 61   | POLIT         | 1, 1H, 2, 3, 3H, 4         |           |  |  |
| CHS   | 2, 5   | PSYCH         | 1, 9, 12, 17, 25, 30       |           |  |  |
| COUNS   | 50   | SOC           | 1, 2, 2H, 3, 20, 40, 45    |           |  |  |
| ECON  | 1A, 1AH, 1B  | WGS           | 1, 3                       |           |  |  |
| ONE ADDITIO                                     | ONAL COURSE (3)  |               |                            |           |  |  |
| From the abo                                    | ve Individual, Society, and the Environment disciplines or f | rom Computati | ional Science below:       |           |  |  |
| CIS   | 2, 4A, 4A.1, 4B, 4B.1  | PKMGT         | 16B, 16C, 16D, 16E         |           |  |  |
| MATH  | 4C, 14, 19   |               |                            |           |  |  |

<sup>\*</sup>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.

#### D. CREATIVE ARTS LITERATURE (3) Completed **ENGL** 1B, 5A, 5B, 6A, 6AH, 6B, 6BH, 7A, 7B, 10, 12, 13, 18, 43, 43H, 44, 46, 46H, 47, 48, 48H, 49, 49H **VISUAL AND PERFORMING ARTS (3)** ARCH 46, 47 PΕ 3.02\*, 3.04\*, 3.05\*, 3.08\*, 3.12\*, 3.14\*, 3.15\*, ART 1A, 1AH, 1B, 1GH, 1D, 1DH, 1G,4, 4H, 7, 10, 12A, 12B, 3.17\*, 3.18\*, 3.19\*, 3.1\*, 3.22\*, .23\*, 3.24\*, 13, 14, 31A, 31B, 31C, 33A, 33C, 35A, 35B, 35C, 35D, 3.29\*, 3.3\*, 3.31\*, 3.32\*, 3.33\*, 3.34\*, 3.35\*, 47A, 47B, 47C, 47D, 49A, 49B, 49C, 49D, 55, 60A, 60B, 3.36\*, 3.37\* 65A, 65B, 65C, 65D, 67A, 67B, 81, 85A, 85B PETH 51,51H DM/IS 3, 4, 10C, 10D, 14C, 14D, 23, 23B, 99 PHOTO 1, 2, 20A\*, 20B\*, 21A\*, 21B\*, 30D, 49A\*, ENGL 48, 48H 49B\*, 60, 61\*, 62\*, 72\*, 73\*, 74\*, 76\*, 102 HUMAN 1A, 1AH, 1B, 1BH 1, 2A, 4, 5A, 5B, 6A, 6B, 7A, 7B, 7C, 10, 10H, 11A, THEAR MUSIC 1, 1H, 2, 2H, 3A, 3B, 4A, 4B, 5, 9, 10, 14\*, 20\*, 22\*, 26\*, 11B, 11C, 14A, 14B, 14C, 15, 15H, 18A, 20, 21A\*, 27\*, 30A\*, 30B\*, 31A\*, 31B\*, 32A\*, 32B\*, 32C\*, 33A\*, 21B\*, 21C, 22A\*, 22B\*, 22C\*, 26A\*, 35A, 40A, 33B\*, 36\*, 36B\*, 38A\*, 38B\*, 39\*, 54, 55, 56\*, 69 40B, 41A, 41B, 44A, 44B\*, 45B, 47A, 59\*, 69, 70 WS ONE ADDITIONAL COURSE (3)

From the above Creative Arts disciplines

<sup>\*</sup>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. |                                |           |  |  |  |  |  |
| CULTURAL DIVERSITY (6)                              |                                |           |  |  |  |  |  |
| ANTHR 3, 55   | HIST 3, 8A, 8B, 12, 14, 16, 34 |           |  |  |  |  |  |
| ART 7, 10, 12A, 12B, 13, 14                         | HUMAN 2, 3                     |           |  |  |  |  |  |
| BUS 24  | MUSIC 55                       |           |  |  |  |  |  |
| CHS 34A, 34B  | PHIL 4, 4H, 16, 21             |           |  |  |  |  |  |
| COMM 12   | PSYCH 9                        |           |  |  |  |  |  |
| COUN 50   | SOC 20                         |           |  |  |  |  |  |
| ENGL 6A, 6AH, 6B, 6BH, 12, 13, 18, 46               | WGS 1, 2, 3, 4A                |           |  |  |  |  |  |
| GEOG 2  |                                |           |  |  |  |  |  |

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, ANTHR 3 can fulfill (3) units of the Creative Arts 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. HIST | ORY INSTITUTIONAL REQUIREMENT  |  |
|-----------|--------------------------------|--|
| HIST      | 17A, 17B, 17BH, 8A, 12, 14, 16 |  |

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.

MAJOR REQUIREMENTS: For information on lower-division preparation for NDNU majors, please contact the Admissions Department.

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

Articulation Agreement Updated: 2013-14 Approved by: Galen Anne Corson, Articulation Officer, gcorson@ndnu.edu



# Lower Division Major Preparation: Transfer Credit Agreement 2012-2014 Catalog

Notre Dame de Namur University agrees to accept the West Valley 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 West Valley College:                                     | http://www.westvalley.edu           |

#### ART, B.A.

| NDNU LOWE   | ER-DIVISION MAJOR PREPARATION           |       | WEST VALL   | EY COLLEGE TRANSFERABLE COURS             | ES    |           |
|-------------|---|-------|-------------|---|-------|-----------|
|             |   | Sem.  |             |   | Sem.  | _         |
| Course Code | Course Title                            | Units | Course Code | Course Title                              | Units | Completed |
| ART 1001    | Drawing I                               | 3     | ART 31A     | Beginning Drawing                         | 3     |           |
| ART 1002    | Drawing II                              | 3     | ART 31B or  | Expressive Drawing (3) or                 | 3     |           |
|             |   |       | ART 31C     | Representational Drawing (3)              |       |           |
| ART 1018    | Life Drawing I                          | 3     | ART 35A     | Beginning Life Drawing                    | 3     |           |
| ART 1019    | Life Drawing II                         | 3     | ART 35B or  | Intermediate Life Drawing (3) or          | 3     |           |
|             |   |       | ART 35C or  | Intermediate-Advanced Life Drawing (3) or |       |           |
|             |   |       | ART 35D     | Advanced Life Drawing (3)                 |       |           |
| ART 1101    | Two Dimensional Design                  | 3     | ART 33A     | Two Dimensional Design                    | 3     |           |
| ART 1109    | Color Design                            | 3     | ART 33C     | Color Design                              | 3     |           |
| ART 1118    | Three Dimensional Design                | 3     | ART 81      | 3-Dimensional Design                      | 3     |           |
| ART 1127    | Advanced Design                         | 3     |             | No equivalent course                      |       |           |
| ART 1201    | Art through Time: An Art History Survey | 3     | ART 1A/H or | Survey of Western Art I (3) or            | 3     |           |
|             |   |       | ART 1B/H    | Survey of Western Art II (3)              |       |           |

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

| NDNU LOWE   | R-DIVISION MAJOR PREPARATION            |       | WEST VALL   | EY COLLEGE TRANSFERABLE COURS          | ES    |           |
|-------------|---|-------|-------------|--|-------|-----------|
|             |   | Sem.  |             |  | Sem.  | _         |
| Course Code | Course Title                            | Units | Course Code | Course Title                           | Units | Completed |
| ART 1001    | Drawing I                               | 3     | ART 31A     | Beginning Drawing                      | 3     |           |
| ART 1010    | Drawing with Illustrator                | 3     | DM/IS 14C   | Digital Illustration: Illustrator      | 3     |           |
| ART 1018    | Life Drawing I                          | 3     | ART 35A     | Beginning Life Drawing                 | 3     |           |
| ART 1019    | Life Drawing II                         | 3     | ART 35B or  | Intermediate Life Drawing (3) or       | 3     |           |
|             |   |       | ART 35C or  | Intermediate-Advanced Life Drawing (3) |       |           |
|             |   |       | ART 35D     | Advanced Life Drawing (3)              |       |           |
| ART 1101    | Two Dimensional Design                  | 3     | ART 33A     | Two Dimensional Design                 | 3     |           |
| ART 1109    | Color Design                            | 3     | ART 33C     | Color Design                           | 3     |           |
| ART 1118    | Three Dimensional Design                | 3     | ART 81      | 3-Dimensional Design                   | 3     |           |
| ART 1127    | Advanced Design                         | 3     |             | No equivalent course                   |       |           |
| ART 1201    | Art through Time: An Art History Survey | 3     | ART 1A/H or | Survey of Western Art I (3) or         | 3     |           |
|             |   |       | ART 1B/H    | Survey of Western Art II (3)           |       |           |

### BIOLOGY, B.S.

| NDNU LOWER-D   | DIVISION MAJOR PREPARATION                    |           | WEST VALL           | EY COLLEGE TRANSFERABLE COURS            | ES    |           |  |
|--|---|-----------|---------------------|--|-------|-----------|--|
|  |   | Sem.      |                     |  | Sem.  |           |  |
| Course Code  | Course Title                                  | Units     | Course Code         | Course Title                             | Units | Completed |  |
| BIO 1101 / L   | General Biology I / Lab                       | 3/1       | BIO 43              | Principles of Cell Biology               | 5     |           |  |
| BIO 1103 / L   | General Biology II / Lab                      | 3/1       | BIO 41              | Principles of Animal Biology             | 5     |           |  |
| CHE 1202 / L   | General Chemistry I / Lab                     | 3/1       | CHEM 1A             | General Chemistry                        | 5     |           |  |
| CHE 1204 / L   | General Chemistry II / Lab                    | 3/1       | CHEM 1B             | General Chemistry                        | 5     |           |  |
| MTH 1216   | Precalculus with Trigonometry                 | 4         | MATH 2              | Pre-Calculus Algebra and Trigonometry    | 5     |           |  |
| One mathematics cou  | urse from the following:                      |           |                     |  |       |           |  |
| MTH 1320* or   | Calculus I* (4) or                            | 3-4       | MATH 3A * or        | Calculus and Analytical Geometry* (5) or | 3-5   |           |  |
| MTH 1322* or   | Applied Calculus* (4) or                      |           | MATH 12* or         | Applied Calculus* (4) or                 |       |           |  |
| MTH 2502*  | Statistics* (3)                               |           | MATH 10/H*          | Elementary Statistics* (3)               |       |           |  |
| (2) semesters of College   | e Physics or (2) semesters of Physics for Sci | ientists: |                     |  |       |           |  |
| PHY 1203 / L plus  | College Physics I / Lab (4) plus              | 8         | PHYS 2A plus        | General Physics (5) plus                 | 10    |           |  |
| PHY 1205 / L; or   | College Physics II / Lab (4); or              |           | PHYS 2B; or         | General Physics (5); or                  |       |           |  |
| PHY 1304 / L plus  | Physics for Scientists I / Lab (4) plus       |           | PHYS 4A <b>plus</b> | Engineering Physics – Mechanics (5) plus |       |           |  |
| PHY 1306 / L   | Physics for Scientists II /Lab (4)            |           | PHYS 4B             | Engineering Physics – Elec/Magnetism (5) |       |           |  |
| * 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           |             | WEST VALI       | LEY COLLEGE TRANSFERABLE COURSI         | ES    |           |
|-----------------|---|-------------|-----------------|---|-------|-----------|
|                 |   | Sem.        |                 |   | Sem.  |           |
| Course Code     | Course Title                            | Units       | Course Code     | Course Title                            | Units | Completed |
| BIO 1101 / L    | General Biology I / Lab                 | 3/1         | BIO 43          | Principles of Cell Biology              | 5     |           |
| BIO 1103 / L    | General Biology II / Lab                | 3/1         | BIO 41          | Principles of Animal Biology            | 5     |           |
| CHE 1202 / L    | General Chemistry I / Lab               | 3/1         | CHEM 1A         | General Chemistry                       | 5     |           |
| CHE 1204 / L    | General Chemistry II / Lab              | 3/1         | CHEM 1B         | General Chemistry                       | 5     |           |
| MTH 1320*       | Calculus I*                             | 4           | MATH 3A*        | Calc and Analyt Geom*                   | 5     |           |
| MTH 1321*       | Calculus II* (recommended) (4)          |             | MATH 3B*        | Calc and Analyt Geom* (recommended) (5) |       |           |
| MTH 2502        | Statistics                              | 3           | MATH 10/H       | Elementary Statistics                   | 3     |           |
| PHY 1304 / L    | Physics for Scientists I /Lab           | 3/1         | PHYS 4A         | Engineering Physics: Mechanics          | 5     |           |
| PHY 1306 / L    | Physics for Scientists II /Lab          | 3/1         | PHYS 4B         | Engineering Physics: Elec/Magnetism     | 5     |           |
| * 2 Math course | es required which correspond to level 4 | 1 on the ma | th placement to | act or higher                           |       |           |

# BUSINESS ADMINISTRATION, B.S.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION        |       | WEST VALI   | LEY COLLEGE TRANSFERABLE COURS       | SES   |           |
|-------------|--------------------------------------|-------|-------------|--------------------------------------|-------|-----------|
|             |                                      | Sem.  |             |                                      | Sem.  |           |
| Course Code | Course Title                         | Units | Course Code | Course Title                         | Units | Completed |
| BUS 1000    | Foundations of Business              | 3     | BUS 51      | Introduction to Business             | 3     |           |
| BUS 1008    | <b>Building Business Values</b>      | 3     |             | No equivalent course                 |       |           |
| BUS 1100    | Macroeconomics                       | 3     | ECON 1A/H   | Principles of Macroeconomics         | 3     |           |
| BUS 1108    | Microeconomics                       | 3     | ECON 1B/H   | Principles of Microeconomics         | 3     |           |
| BUS 1220    | Introduction to Financial Accounting | 3     | ACCTG 10    | Accounting Fundamentals Financial    | 5     |           |
| BUS 1232    | Managerial Accounting                | 3     | ACCTG 11    | Accounting Fundamentals - Managerial | 5     |           |
| BUS 1300    | Community Based Research/Stats       | 3     |             | No equivalent course                 |       |           |

# COMMUNICATION, B.A.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION |       | WEST VALL   | EY COLLEGE TRANSFERABLE ( | COURSES |           |
|-------------|-------------------------------|-------|-------------|---------------------------|---------|-----------|
|             |                               | Sem.  |             |                           | Sem.    |           |
| Course Code | Course Title                  | Units | Course Code | Course Title              | Units   | Completed |
| COM 1000    | Introduction to Communication | 3     |             | No equivalent course      |         |           |
| COM 1008    | Oral Communication            | 3     | COMM 1/1H   | Public Speaking           | 3       |           |
| COM 1458L   | Media Production Lab          | 3     |             | No equivalent course      |         |           |

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

Emphasis in Software Engineering

| NDNU LOWER-DIVISION MAJOR PREPARATION WEST VALLEY COLLEGE TRANSFERABLE COURSES |                                |       |                    |                                      |       |           |
|--|--------------------------------|-------|--------------------|--------------------------------------|-------|-----------|
|  |                                | Sem.  |                    |                                      | Sem.  |           |
| Course Code  | Course Title                   | Units | Course Code        | Course Title                         | Units | Completed |
| CIS 1130   | Foundations / Computer Science | 4     | CIS 4A.1 <b>or</b> | Computer Programming I (JAVA) (4) or | 4     |           |
|  |                                |       | CIS 4A             | Computer Programming I (C++) (4)     |       |           |
| CIS 1130 L   | Programming Laboratory         | 1     |                    | No equivalent course                 |       |           |
| CIS 1140   | Data Structure and Abstraction | 4     | CIS 4B.1           | Computer Programming II (JAVA)       | 4     |           |
| MTH 1320   | Calculus I                     | 4     | MATH 3A            | Calculus and Analytical Geometry     | 5     |           |
| MTH 1321   | Calculus II                    | 4     | MATH 3B            | Calculus and Analytical Geometry     | 5     |           |
| MTH 2522   | Probability and Statistics     | 4     |                    | No equivalent course                 |       |           |
| CIS 1150*  | Computer Organization * (4)    |       |                    | No equivalent course                 |       |           |

<sup>\*</sup> 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**

|             | 1                              |       |                    | ,                                    |       |           |
|-------------|--------------------------------|-------|--------------------|--------------------------------------|-------|-----------|
| NDNU LOW    | ER-DIVISION MAJOR PREPARATION  |       | WEST VALI          | LEY COLLEGE TRANSFERABLE COURS       | SES   |           |
|             |                                | Sem.  |                    |                                      | Sem.  |           |
| Course Code | Course Title                   | Units | Course Code        | Course Title                         | Units | Completed |
| CIS 1130    | Foundations / Computer Science | 4     | CIS 4A.1 <b>or</b> | Computer Programming I (JAVA) (4) or | 4     |           |
|             |                                |       | CIS 4A             | Computer Programming I (C++) (4)     |       |           |
| CIS 1130 L  | Programming Laboratory         | 1     |                    | No equivalent course                 |       |           |
| CIS 1140    | Data Structure and Abstraction | 4     | CIS 4B.1           | Computer Programming II (JAVA)       | 4     |           |
| MTH 1322    | Applied Calculus               | 4     | MATH 12            | Applied Calculus                     | 4     |           |
| MTH 2502    | Statistics                     | 3     | MATH 10/H          | Elementary Statistics                | 3     |           |
| MTH 2502 L  | Excel for Statistics           | 1     |                    | No equivalent course                 |       |           |

# HUMAN SERVICES, B.S.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION |       | WEST VAL    | EY COLLEGE TRANSFERABLE CO | OURSES |           |
|-------------|-------------------------------|-------|-------------|----------------------------|--------|-----------|
|             |                               | Sem.  |             |                            | Sem.   | _         |
| Course Code | Course Title                  | Units | Course Code | Course Title               | Units  | Completed |
| PSY 1001    | Introduction to Psychology    | 3     | PSYCH 1     | General Psychology         | 3      |           |
| SOC 1001    | Introduction to Sociology     | 3     | SOC 1       | Introduction to Sociology  | 3      |           |

#### KINESIOLOGY, B.S.

|                    |                                  |       | ,           |                                  |       |           |
|--------------------|----------------------------------|-------|-------------|----------------------------------|-------|-----------|
| NDNU LOWE          | R-DIVISION MAJOR PREPARATION     |       | WEST VALL   | EY COLLEGE TRANSFERABLE COL      | JRSES |           |
|                    |                                  | Sem.  |             |                                  | Sem.  |           |
| Course Code        | Course Title                     | Units | Course Code | Course Title                     | Units | Completed |
| BIO 1101 / L       | General Biology I / Lab          | 3/1   | BIO 43      | Principles of Cell Biology       | 5     |           |
| BIOL 1103 / L      | General Biology II / Lab         | 3/1   | BIO 41      | Principles of Animal Biology     | 5     |           |
| One Chemistry cou  | rse from the following:          |       |             |                                  |       |           |
| CHE 1101 <b>or</b> | Introductory Chemistry (3) or    | 3-4   | CHEM 2 or   | Introductory Chemistry (4) or    | 3-5   |           |
|                    |                                  |       | CHEM 30 or  | Fundamentals of Chemistry (3) or |       |           |
| CHE 1202 /L or     | General Chemistry I/Lab (3/1) or |       | CHEM 1A or  | General Chemistry (5) or         |       |           |
| CHE 1204 /L        | General Chemistry II/Lab (3/1)   |       | CHEM 1B     | General Chemistry (5)            |       |           |
| MTH 2502           | Statistics                       | 3     | MATH 10/H   | Elementary Statistics            | 3     |           |
| PSY 1001           | Introduction to Psychology       | 3     | PSYCH 1     | 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                     |       | WEST VALL   | EY COLLEGE TRANSFERABLE COURS | ES    |           |
|----------------------|--|-------|-------------|-------------------------------|-------|-----------|
|                      |  | Sem.  |             |                               | Sem.  |           |
| Course Code          | Course Title                                     | Units | Course Code | Course Title                  | Units | Completed |
| COM 1008 or          | Oral Communication (3) or                        | 3     | COMM 1/1H   | Public Speaking               | 3     |           |
| THE 1005             | Intro to Oral Interpretation (3)                 |       |             | No equivalent course          |       |           |
| BIO 1009/1109L       | Introduction to Biology with Lab                 | 3.5   | BIO 10      | Introduction to Biology       | 4     |           |
| PSC 1000             | Introduction American Government                 | 3     | POLIT 1/H   | American Government           | 1     |           |
| For Credential stu   | udents, 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, <b>or</b> |       |             |                               |       |           |
| 3 units in studio/pe | rformance or concepts                            |       |             |                               |       |           |
| PSY 1001             | Introduction to Psychology                       | 3     | PSYCH 1     | General Psychology            | 3     |           |

### PSYCHOLOGY, B.A.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATIOI | V     | WEST VAL    | LEY COLLEGE TRANSFERAB | LE COURSES |           |
|-------------|-------------------------------|-------|-------------|------------------------|------------|-----------|
| •           |                               | Sem.  |             |                        | Sem.       | _         |
| Course Code | Course Title                  | Units | Course Code | Course Title           | Units      | Completed |
| PSY 1001    | Introduction to Psychology    | 3     | PSYCH 1     | General Psychology     | 3          |           |
| MTH 2502    | Statistics                    | 3     | MATH 10/H   | Elementary Statistics  | 3          |           |

### SOCIOLOGY, B.A.

| NDNU LOW    | ER-DIVISION MAJOR PREPARATION |       | WEST VAL    | LEY COLLEGE TRANSFERABLE COL   | JRSES |           |
|-------------|-------------------------------|-------|-------------|--------------------------------|-------|-----------|
|             |                               | Sem.  |             |                                | Sem.  |           |
| Course Code | Course Title                  | Units | Course Code | Course Title                   | Units | Completed |
| SOC 1001    | Introduction to Sociology     | 3     | SOC 1       | Introduction to Sociology      | 3     |           |
| SOC 1009    | Cultural Anthropology         | 3     | ANTHR 3/H   | Intro to Cultural Anthropology | 3     |           |

| 650.508.3600 NI     | ONU Admissions Office     |
|---------------------|---------------------------|
| http://www.ndnu.edu | http://www.westvalley.edu |

Articulation Agreement Updated: 2013-14 Approved by: Galen Anne Corson, Articulation Officer, <a href="mailto:gcorson@ndnu.edu">gcorson@ndnu.edu</a>