

GENERAL EDUCATION

(Bachelor Degrees and Associate of Arts in General Education)

The general education program promotes the intellectual growth of all students in National University's undergraduate degree programs. The general education curriculum assumes that undergraduates will not concentrate on a major field of study until they have completed a thorough general education program that is writing-intensive and addresses the cultural diversity of contemporary society.

Students in the general education program are advised to focus on writing and speech communication first. Students are then counseled to explore mathematical and other formal systems to develop abstract reasoning abilities and are required to take a course in informational literacy and report writing. Finally, all students are required to have a significant exposure to the natural sciences, the humanities and fine arts, and the social and behavioral sciences and modern language. Many of these courses include an examination of the human condition in a multicultural society.

The general education curriculum emphasizes communications, mathematics and sciences, humanities and social/ behavioral sciences. Thus, the curriculum provides coherence to undergraduate education, affording the student the opportunity to:

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate critical thinking, reading and writing skills appropriate to upper-division college work.
- Demonstrate critical awareness of the major approaches, methods, assumptions, and applications of different academic disciplines.
- Employ college-level scientific and quantitative reasoning skills to appraise information and to solve problems.
- Develop basic proficiency in another language.
- Demonstrate awareness of past and present human and cultural diversity.
- Access, evaluate and use information gathered through a variety of resources and technologies in developing research projects and presentations.

The general education curriculum furnishes students with the basic knowledge necessary to pursue any degree program. Students who fulfill the curriculum gain a strong interdisciplinary liberal arts framework geared toward problem solving. This emphasis promotes self-directed research in many academic areas that have traditionally been kept separate.

Diversity Requirement

The diversity component serves the general education program goal of increasing respect for, and awareness of, diverse peoples and cultures. A plus [+] after any course on the list of approved general education courses signifies a diversity-enriched course. Students must complete at least one diversity-enriched course in the general education program.

CSU General Education Certifications and IGETC

National University will accept the following General Education certifications: California State University (CSU) General Education Breadth Certification and the Inter-Segmental General Education Transfer Curriculum (IGETC). All requirements for CSU General Education and IGETC must be completed and certified prior to transfer to National University. The University will not accept partial certifications. Students transferring with full certifications are typically required to take one to three upper-division general education courses at National in order to fulfill the unit requirements. Students must provide an official transcript with the certification included or a separate certification form from the community college attended.

General Education Program Requirements

The general education program consists of a minimum of 70.5 quarter units. Of the 70.5 quarter units, students must complete at least 4.5 units at the upper-division level and 4.5 units in diversity enriched coursework. All undergraduate students working toward any associate or bachelor's degree must meet the University's diversity requirement.

National University has general education requirements in the following eight areas:

AREA A: ENGLISH COMMUNICATION

(Minimum 15 quarter units)

Category 1: Writing

(10.5 quarter units required)

ENG 100 Effective College English I (3 quarter units)

Prerequisite: Satisfactory performance on Accuplacer

ENG 101 Effective College English II (3 quarter units)

- ENG 240 Prerequisite: ENG 100
 Advanced Composition
 Prerequisite: ENG 100, and ENG 101
- or
- ENG 334A Technical Writing
 Prerequisite: ENG 100, and ENG 101 (Only Business and Engineering majors may fulfill the requirement by taking ENG 334A)

Category 2: Speech and Communication
 (4.5 quarter units required)

- COM 100 Intro to Mass Communication
 COM 103 Oral Communication
 COM 120 Intro to Interpersonal Comm

AREA B: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(Minimum 4.5 quarter units)

- MTH 204 Mathematics for Science
 Prerequisite: MTH 12A, and MTH 12B
- MTH 209A Fundamentals of Mathematics I
 Prerequisite: Placement Evaluation
- MTH 210 Probability and Statistics
 Prerequisite: Placement evaluation
- MTH 215 College Algebra & Trigonometry
 Prerequisite: Placement Evaluation
- MTH 216A College Algebra I (3 quarter units)
 Prerequisite: Placement Evaluation
- MTH 216B College Algebra II (3 quarter units)
 Prerequisite: MTH 216A
- MTH 220 Calculus I
 Prerequisite: MTH 215 or placement evaluation
- MTH 301 Fundamentals of Mathematics II
 Prerequisite: MTH 209A
- CSC 208 Calculus for Comp. Science I
 Prerequisite: MTH 215
- MNS 205 Intro to Quantitative Methods
 Prerequisite: Placement Evaluation
- NSG 322 Intro to Biomedical Statistics

AREA C: INFORMATION LITERACY

(Minimum 4.5 quarter units)

- ILR 260 Information Literacy
 Prerequisite: ENG 100, and ENG 101

AREA D: ARTS AND HUMANITIES

(Minimum 13.5 quarter units)

- ART 100 Introduction to Art History
 Prerequisite: ENG 100, and ENG 101
- ART 200 Visual Arts
- HIS 233 World Civilizations I
 Prerequisite: ENG 100, and ENG 101
- HIS 234 World Civilizations II
 Prerequisite: ENG 100, and ENG 101
- LIT 100 Introduction to Literature
 Prerequisite: ENG 100, and ENG 101
- LIT 345 Mythology
 Prerequisite: LIT 100
- MUS 100 Fundamentals of Music
- MUS 327 World Music (+)
 Prerequisite: ENG 100, and ENG 101
- PGM 101 Philosophy of Coaching
- PHL 100 Introduction to Philosophy
 Prerequisite: ENG 100, and ENG 101
- PHL 337 Ethics
 Prerequisite: ENG 100, and ENG 101
- THR 200 Theater Arts

AREA E: SOCIAL AND BEHAVIORAL SCIENCES

(Minimum 13.5 quarter units)

- COM 220 Media Literacy
- COM 380 Democracy in the Info. Age (+)
Prerequisite: ENG 100, and ENG 101
- ECO 203 Principles of Microeconomics
- ECO 204 Principles of Macroeconomics
- HIS 220A United States History I (+)
Prerequisite: ENG 100, and ENG 101
- HIS 220B United States History II (+)
Prerequisite: ENG 100, and ENG 101
- HIS 300 Roots of Western Civilization (+)
Prerequisite: ENG 100, and ENG 101
- PGM 100 History of Sport
- PGM 200 Personnel Dev & Human Relation
(may only be taken by students in the Associate of Arts Concentration in Professional Golf Management)
- POL 100 Introduction to Politics
Prerequisite: ENG 100, and ENG 101
- POL 201 American Politics
Prerequisite: ENG 100, and ENG 101
- PSY 100 Introduction to Psychology
- SOC 100 Principles of Sociology (+)
Prerequisite: ENG 100, and ENG 101
- SOC 260 Cultural Anthropology
Prerequisite: ENG 100, and ENG 101
- SOC 350 Cultural Diversity (+)
Prerequisite: ENG 100, and ENG 101

AREA F: PHYSICAL AND BIOLOGICAL SCIENCES

(Minimum 6 quarter units required [Note: one science lab is required])

- BIO 100 Survey of Bioscience
- BIO 100A Survey of Bioscience Lab (1.5 quarter units)
Prerequisite: BIO 100, or BIO 161 for science majors
- BIO 161 General Biology 1
- BIO 162 General Biology 2
Prerequisite: BIO 161
- BIO 201 Human Anatomy & Physiol I
Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101, CHE 101A or equivalent courses.
- BIO 201A Human Anatomy & Physiol Lab I (1.5 quarter units)
Prerequisite: BIO 201
- BIO 202 Human Anatomy & Physiol II
Recommended: Prior completion of: BIO 201, and BIO 201A, BIO 100, and BIO 100A, CHE 101, and CHE 101A or equivalent courses
- BIO 202A Human Anatomy & Physiol Lab II (1.5 quarter units)
Prerequisite: BIO 202
- BIO 203 Introductory Microbiology
Recommended: Prior completion of: BIO 201, and BIO 201A, BIO 202, and BIO 202A, BIO 100, and BIO 100A, CHE 101, and CHE 101A or equivalent courses
- BIO 203A Introductory Microbiology Lab (1.5 quarter units)
Prerequisite: BIO 203
- CHE 101 Introductory Chemistry
Recommended Preparation: MTH 204, or MTH 215, or MTH 216A, and MTH 216B
- CHE 101A Introductory Chemistry Lab (1.5 quarter units)
Prerequisite: CHE 101, or CHE 141 for science majors
- CHE 141 General Chemistry 1
Prerequisite: MTH 215 or equivalent
- CHE 142 General Chemistry 2
Prerequisite: CHE 141
- EES 103 Fundamentals of Geology
- EES 103A Fundamentals of Geology Lab (1.5 quarter units)
Prerequisite: EES 103
- PHS 104 Introductory Physics
Prerequisite: 2 years of high school algebra, and MTH 204, or MTH 215, or MTH 216A, and MTH 216B
- PHS 104A Introductory Physics Lab (1.5 quarter units)
Prerequisite: PHS 104, or PHS 171 for science majors
- PHS 171 General Physics 1

- Prerequisite: MTH 215, or MTH 216A, and MTH 216B
- PHS 172 General Physics 2
Prerequisite: PHS 172
- PGM 202 Sustainable Golf & Turf Mgmt (6 quarter units)
(may only be taken by students in the Associate of Arts Concentration in Professional Golf Management)

AREA G: MODERN LANGUAGE
(Minimum 9 quarter units)

Language Proficiency Testing

National University will offer language proficiency testing for students who need foreign language proficiency verification through one of the below two options:

1. Passing a credit/ challenge by examination offered through the National University testing center. Note: only limited languages are available.
2. If the language is not available through a National University Credit/ Challenge examination then testing can be done through an agreement with the University of Pennsylvania Language Proficiency Testing Department. National University will allow students who have met the Intermediate level of foreign language proficiency through this test to waive the Area G language requirement in G.E. This service is made available to students at a reasonable cost. Further information may be obtained from <http://www.plc.sas.upenn.edu/testing/>

In all cases students will still be required to meet the overall unit requirement for General Education.

Minimum 9 quarter units) 9

- ARB 100 Beginning Arabic I
Corequisite: ARB 100A
- ARB 100A Beginning Arabic I Lab (1.5 quarter units)
Corequisite: ARB 100
- ARB 101 Beginning Arabic II
Prerequisite: ARB 100, and ARB 100A, Corequisite: ARB 101A
- ARB 101A Beginning Arabic II Lab (1.5 quarter units)
Prerequisite: ARB 100, and ARB 100A, Corequisite: ARB 101
- ARB 200 Intermediate Arabic I
Prerequisite: ARB 101, and ARB 101A, Corequisite: ARB 200A
- ARB 200A Intermediate Arabic I Lab (1.5 quarter units)
Prerequisite: ARB 101, and ARB 101A, Corequisite: ARB 200
- ARB 201 Intermediate Arabic II
Prerequisite: ARB 200, and ARB 200A, Corequisite: ARB 201A
- ARB 201A Intermediate Arabic II Lab (1.5 quarter units)
Prerequisite: ARB 200, and ARB 200A, Corequisite: ARB 201
- ARB 300 Advanced Arabic I
Prerequisite: ARB 201, and ARB 201A, Corequisite: ARB 300A
- ARB 300A Advanced Arabic I Lab (1.5 quarter units)
Prerequisite: ARB 201, and ARB 201A, Corequisite: ARB 300
- ARB 301 Advanced Arabic II
Prerequisite: ARB 300, and ARB 300A, Corequisite: ARB 301A
- ARB 301A Advanced Arabic II Lab (1.5 quarter units)
Prerequisite: ARB 300, and ARB 300A, Corequisite: ARB 301
- ASL 120 American Sign Language I
- ASL 220 American Sign Language II
Prerequisite: ASL 120
- ASL 320 American Sign Language III
Prerequisite: ASL 220
- CHN 100 Beginning Chinese I
Corequisite: CHN 100A
- CHN 100A Beginning Chinese I Lab (1.5 quarter units)
Corequisite: CHN 100
- CHN 101 Beginning Chinese II
Prerequisite: CHN 100, and CHN 100A, Corequisite: CHN 101A
- CHN 101A Beginning Chinese I Lab (1.5 quarter units)
Prerequisite: CHN 100, and CHN 100A, Corequisite: CHN 101
- CHN 200 Intermediate Chinese I
Prerequisite: CHN 101, CHN 101A, Corequisite: CHN 200A
- CHN 200A Intermediate Chinese I Lab (1.5 quarter units)

Prerequisite: CHN 101, CHN 101A, Corequisite: CHN 200
 CHN 201 Intermediate Chinese II
 Prerequisite: CHN 200, CHN 200A, Corequisite: CHN 201A
 CHN 201A Intermediate Chinese II Lab (1.5 quarter units)
 Corequisite: CHN 201, Prerequisite: CHN 200, CHN 200A
 CHN 300 Adv Intermediate Chinese I
 Prerequisite: CHN 201, CHN 201A, Corequisite: CHN 300A
 CHN 300A Adv Intermediate Chinese I Lab (1.5 quarter units)
 Prerequisite: CHN 201, CHN 201A, Corequisite: CHN 300
 CHN 301 Adv Intermediate Chinese II
 Prerequisite: CHN 300, CHN 300A, Corequisite: CHN 301A
 CHN 301A Adv Interm Chinese II Lab (1.5 quarter units)
 Prerequisite: CHN 300, CHN 300A, Corequisite: CHN 301
 PRS 100 Beginning Persian I
 Corequisite: PRS 100A
 PRS 100A Beginning Persian I Lab (1.5 quarter units)
 Corequisite: PRS 100
 PRS 101 Beginning Persian II
 Prerequisite: PRS 100, and PRS 100A, Corequisite: PRS 101A
 PRS 101A Beginning Persian II Lab (1.5 quarter units)
 Corequisite: PRS 101, Prerequisite: PRS 100, and PRS 100A
 PRS 200 Intermediate Persian I
 Corequisite: PRS 200A, Prerequisite: PRS 100, and PRS 101A
 PRS 200A Intermediate Persian I Lab (1.5 quarter units)
 Corequisite: PRS 200, Prerequisite: PRS 101, and PRS 101A
 PRS 201 Intermediate Persian II
 Corequisite: PRS 201A, Prerequisite: PRS 200, and PRS 200A
 PRS 201A Intermediate Persian II Lab (1.5 quarter units)
 Corequisite: PRS 201, Prerequisite: PRS 200, and PRS 200A
 PRS 300 Advanced Persian I
 Corequisite: PRS 300A, Prerequisite: PRS 201, and PRS 201A
 PRS 300A Advanced Persian I Lab (1.5 quarter units)
 Corequisite: PRS 300, Prerequisite: PRS 201, and PRS 201A
 PRS 301 Advanced Persian II
 Corequisite: PRS 301A, Prerequisite: PRS 300, and PRS 300A
 PRS 301A Advanced Persian II Lab (1.5 quarter units)
 Corequisite: PRS 301, Prerequisite: PRS 300, and PRS 300A
 SPN 100 Beginning Spanish I
 Prerequisite: and
 SPN 101 Beginning Spanish II
 Prerequisite: SPN 100
 SPN 200 Intermediate Spanish I
 Prerequisite: SPN 101
 LUS 100 Introductory Luiseño 1
 Corequisite: LUS 100A
 LUS 100A Introductory Luiseño 1 Lab (1.5 quarter units)
 Corequisite: LUS 100
 LUS 101 Introductory Luiseño 2
 Corequisite: LUS 101A, Prerequisite: LUS 100, and LUS 101A
 LUS 101A Introductory Luiseño 2 Lab (1.5 quarter units)
 Corequisite: LUS 101, Prerequisite: LUS 100, and LUS 100A
 LUS 200 Intermediate Luiseño 1
 Corequisite: LUS 200A, Prerequisite: LUS 101, and/ or LUS 101A
 LUS 200A Intermediate Luiseño 1 Lab (1.5 quarter units)
 Corequisite: LUS 200, Prerequisite: LUS 101, and/ or LUS 101A
 LUS 201 Intermediate Luiseño 2
 Corequisite: LUS 201A, Prerequisite: LUS 200, and/ or LUS 200A
 LUS 201A Intermediate Luiseño 2 Lab (1.5 quarter units)
 Corequisite: LUS 201, Prerequisite: LUS 200, and/ or LUS 200A
 LUS 300 Advanced Luiseño 1
 Corequisite: LUS 300A, Prerequisite: LUS 201, and/ or LUS 201A
 LUS 300A Advanced Luiseño 1 Lab (1.5 quarter units)
 Corequisite: LUS 300, Prerequisite: LUS 201, and/ or LUS 201A
 LUS 301 Advanced Luiseño 2
 Corequisite: LUS 301A, Prerequisite: LUS 300, and/ or LUS 300A
 LUS 301A Advanced Luiseño 2 Lab (1.5 quarter units)

Corequisite: LUS 301, Prerequisite: LUS 300, and/ or LUS 300A

Students may also satisfy Area G requirements with 9 quarter units of computer languages:

- CSC 242 Intro to Programming Concepts
Prerequisite: CSC 200, and CSC 208
- CSC 252 Programming in C++
Prerequisite: CSC 242
- CSC 262 Programming in JAVA
Prerequisite: MTH 215

AREA A-G: GENERAL EDUCATION

(Minimum 4.5 quarter units)

If a student has not met the upper-division unit requirement in the completion of the above general education areas, an upper-division course from the following list must be taken. (Upper-division courses applicable to General Education are numbered 300-399). If a student has already met the upper-division unit requirement in the completion of the above general education areas, any course below or any course in Areas A through G may satisfy this Area.

- ART 315 Film as Art
Prerequisite: ENG 100, ENG 101
- ART 329 World Art (+)
Prerequisite: ENG 100, ENG 101
- BRO 210 History of Television
Prerequisite: ENG 100, ENG 101, and COM 100, or COM 103
- COM 360 Representation in the Media (+)
Prerequisite: ENG 100, and/ or ENG 101
- COM 380 Democracy in the Info. Age (+)
Prerequisite: ENG 100, and ENG 101
- EES 301 Earth & Planetary Sciences
- EES 322 Oceanography
- EES 335 Environmental Science
- ENG 365 Creative Writing
Prerequisite: ENG 100, and ENG 101
- ENG 375 Nature Writing
Prerequisite: ENG 100, and ENG 101
- HIS 300 Roots of Western Civilization
Prerequisite: ENG 100, and ENG 101
- HUM 362 Persian Culture
Prerequisite: ENG 100, and ENG 101
- LIT 311 British Literature I
Prerequisite: LIT 100
- LIT 312 British Literature II
Prerequisite: LIT 100
- LIT 321 American Literature I
Prerequisite: LIT 100
- LIT 322 American Literature II
Prerequisite: LIT 100
- MUS 326 Survey of Am Music History
- PHL 320 Comparative Religion (+)
Prerequisite: ENG 100, and ENG 101
- PHL 332 Religion of Islam
Prerequisite: ENG 100, and ENG 101
- PHL 375 Environmental Ethics
Prerequisite: ENG 100, and ENG 101
- PHS 102 Survey of Physical Science
- PSY 300 Social Psychology of Sport
Prerequisite: ENG 100, ENG 101, PSY 100
- PSY 301 Child Development
Prerequisite: ENG 100, ENG 101
- SCI 300 Geography (+)
- SOC 325 Popular Culture
Prerequisite: ENG 100, and ENG 101
- SOC 327 Arab Culture
Prerequisite: ENG 100, and ENG 101
- SOC 336 American Film and Society (+)
Prerequisite: ENG 100, and ENG 101

- SOC 344 Marriage, Sex and the Family
Prerequisite: ENG 100, and ENG 101
- SOC 350 Cultural Diversity
Prerequisite: ENG 100, and ENG 101
- SOC 352 Modern Chinese Culture
Prerequisite: ENG 100, and ENG 101

Remedial courses taken to achieve minimum levels of collegiate-level competency in the areas of writing and mathematical concepts and systems do not satisfy any portion of the general education requirement.