

# General Education

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*The University of Values*



# General Education

## General Education

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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 program has six major educational goals:

- 1) To provide students with a rigorous academic liberal arts foundation to prepare them for their majors
- 2) To assist students in correlating their undergraduate education and their career goals
- 3) To promote the critical thinking, reading and writing skills necessary for success in a complex and rapidly changing world
- 4) To increase respect for and awareness of diverse peoples and cultures
- 5) To provide an interdisciplinary education through a variety of intellectual models that advance competing critical points of view and address professional and social problems
- 6) To promote access to information technology and public access databases within the context of course research

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:

- 1) Apply skills and concepts developed in general education courses to challenges and tasks presented in their upper division major courses
- 2) Apply skills and concepts developed in the general education courses to challenges and tasks presented in their future profession
- 3) Demonstrate critical thinking, reading and writing skills appropriate to upper-division college work
- 4) Demonstrate awareness of how diverse peoples and cultures have interacted in the past and interact in our contemporary world
- 5) Demonstrate critical awareness of the different approaches, methods and assumptions of different academic disciplines and how these are applied to professional and social problems
- 6) 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.

## General Education Program Requirements

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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. A plus [+ ] indicates a diversity enriched offering. All undergraduate students working toward any associate or bachelor's degree must meet the University diversity requirement.

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

### AREA A: ENGLISH COMMUNICATION

(minimum 15 quarter units)

### AREA B: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(minimum 4.5 quarter units)

### AREA C: Information Literacy

(minimum 4.5 quarter units)

### AREA D: ARTS AND HUMANITIES

(minimum 13.5 quarter units)

### AREA E: SOCIAL AND BEHAVIORAL SCIENCES

(minimum 13.5 quarter units)

### AREA F: PHYSICAL AND BIOLOGICAL SCIENCES

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

### AREA G: MODERN LANGUAGE

(minimum 9 quarter units)

*(Students may satisfy this area by passing a competency test in any second language. They also may satisfy this requirement with 9 quarter units of computer languages, such as C, C++, Java, and Visual Basic. Students who satisfy competency by examination must still meet the overall general education unit requirement)*

### AREA A-G: GENERAL EDUCATION

(minimum 4.5 quarter units)

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.

## Approved Courses

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### AREA A: ENGLISH COMMUNICATION

(15 quarter units required)

#### CATEGORY 1

Writing (10.5 quarter units required)

ENG 100 Effective College English I (3.0 quarter units)  
*(Prerequisite: Placement Exam)*

ENG 101 Effective College English II (3.0 quarter units)  
*(Prerequisite: ENG 100)*

ENG 240 Advanced Composition  
*(Prerequisite: ENG100/ 101)*

or

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ENG 334A Technical Writing  
(Prerequisites: ENG 100/101)  
(Only Business and Engineering majors may fulfill this requirement by taking ENG 334A)

## CATEGORY 2

Speech and Communications (4.5 quarter units required)

COM 100 Introduction to Communications  
COM 200 Effective Communication

## AREA B: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(minimum 4.5 quarter units)

MTH 204 Mathematics for Business and Science  
(Prerequisite: MTH012A & MTH012B)  
MTH 209A Structure and Concepts of Mathematical Fundamentals I  
(Prerequisite: Placement Evaluation)  
MTH 210 Introduction to Probability and Statistics  
(Prerequisite: Placement Evaluation)  
MTH 215 College Algebra and Trigonometry  
(Accelerated Course)  
(Prerequisite: Placement Evaluation)  
MTH 216A College Algebra and Trigonometry I (3 quarter units)  
(Prerequisite: Placement Evaluation)  
MTH 216B College Algebra and Trigonometry II (3 quarter units)  
(Prerequisite: MTH 216A)  
MTH 220 Calculus I  
(Prerequisite: MTH 215)  
MTH 301 Structure and Concepts of Mathematical Fundamentals II  
(Prerequisite: MTH209A)  
CST 206B Discrete Structures and Logic Design  
(Prerequisite: MTH 215)  
CST 208B Calculus for Computer Science  
(Prerequisite: MTH 215)  
MNS 205 Introduction to Quantitative Methods for Business  
(Prerequisite: Placement Evaluation)  
NSG 322 Introduction to Biomedical Statistics  
(open only to students in the B.S.N Degree Plan)

## AREA C: INFORMATION LITERACY

(4.5 quarter units required)

ILR 260 Information Literacy and Report Writing  
(Prerequisite: ENG 100)

## AREA D: ARTS AND HUMANITIES

(13.5 quarter units required)

ART 100 Introduction to Art History  
(Prerequisites: ENG 100/101)  
ART 200 Visual Arts  
ART 200A Visual Arts Laboratory (1.5 quarter units)  
(Prerequisite: ART200)  
HIS 233 World Civilization I  
(Prerequisites: ENG 100/101)  
HIS 234 World Civilization II  
(Prerequisites: ENG 100/101)  
LIT 100 Introduction to Literature  
(Prerequisites: ENG 100/101)  
LIT 345 Mythology  
(Prerequisites: ENG 100/101)  
MUS 100 Fundamentals of Music  
MUS 327 World Music  
(Prerequisites: ENG 100/101)  
THR 200 Theater Arts  
PHL 100 Introduction to Philosophy  
(Prerequisites: ENG 100/101)

## AREA E: SOCIAL AND BEHAVIORAL SCIENCES

(13.5 quarter units required)

COM 380 Democracy in the Information Age [+]  
(Prerequisites: ENG 100/101)  
ECO 203 Principles of Macroeconomics  
ECO 204 Principles of Microeconomics  
(Prerequisite: ECO 203)  
HIS 220A History of the United States I [+]  
(Prerequisite: ENG 100/101)  
HIS 220B History of the United States II [+]  
(Prerequisite: ENG 100/101)  
HIS 300 Foundations of Western Civilization  
(Prerequisite: ENG 100/101)  
HIS 350 Cultural Diversity [+]  
(Prerequisites: ENG 100/101)  
POL 201 American Government and Politics  
(Prerequisites: ENG 100/101)  
PSY 100 Introduction to Psychology  
SOC 100 Principles of Sociology  
(Prerequisite: ENG 100/101)  
SOC 260 Cultural Anthropology  
(Prerequisites: ENG 100/101)

## AREA F: PHYSICAL AND BIOLOGICAL SCIENCES

(6 quarter units required)

(Note: One science lab is required @ 1.5 quarter units)

SCI 100 Survey of Bioscience  
SCI 100A Survey of Bioscience Laboratory (1.5 quarter units)  
SCI 101 General Chemistry  
SCI 101A General Chemistry Laboratory (1.5 quarter units)  
(Prerequisites: MTH 204 and SCI 101)  
SCI 104 General Physics  
SCI 104A General Physics Laboratory (1.5 quarter units)  
(Prerequisites: MTH 204 and SCI 104)  
SCI 201 Human Anatomy and Physiology I  
SCI 201A Human Anatomy and Physiology Laboratory I (1.5 quarter units)  
(Prerequisite: SCI 201)  
SCI 103 Fundamentals of Geology  
SCI 103A Fundamentals of Geology Laboratory (1.5 quarter units)  
(Prerequisite: SCI 103)  
SCI 202 Human Anatomy and Physiology II  
SCI 202A Human Anatomy and Physiology Laboratory II (1.5 quarter units)  
(Prerequisite: SCI 202)  
SCI 203 Introduction to Microbiology  
SCI 203A Introduction to Microbiology Laboratory I (1.5 quarter units)  
(Prerequisite: SCI 203)

## AREA G: MODERN LANGUAGE

(9 quarter units required)

(In addition to the coursework listed below, students may satisfy this area by passing a competency test in any second language. They also may satisfy this requirement with 9 quarter units of computer languages, such as C, C++, Java, and Visual Basic. Students who satisfy competency by examination must still meet the overall general education unit requirement.)

ASL 120 American Sign Language I  
ASL 220 American Sign Language II  
(Prerequisite: ASL 120)  
ASL 320 American Sign Language III  
(Prerequisite: ASL 220)  
LAS 100 Spanish I  
LAS 200 Spanish II  
(Prerequisite: LAS 100)  
LAS 300 Spanish III  
(Prerequisite: LAS 200)

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- LAS 101 Spanish for the Native Speaker  
*(Prerequisite: Native speaking ability and/or recommendation of instructor.)*
- LAS 201 Spanish for the Native Speaker II  
*(Prerequisite: LAS 101)*

## **AREA A-G GENERAL EDUCATION**

(4.5 quarter units minimum)

If a student has not met the upper-division unit requirement in the completion of the above general education areas, one of the following courses must be taken. If a student has already met the upper-division unit requirement in the completion of the above general education areas, any course in Areas A through G may satisfy this Area.

- COM 380 Democracy in the Information Age [+]  
*(Prerequisites: ENG 100/101)*
- HIS 300 Foundations of Western Civilization  
*(Prerequisites: ENG 100/101)*
- HIS 350 Cultural Diversity [+]  
*(Prerequisites: ENG 100/101)*
- LIT 342 World Literature  
*(Prerequisites: ENG 100/101)*
- PHL 375 Environmental Ethics  
*(Prerequisites: ENG 100/101)*
- SCI 300 Geography [+]
- SOC 260 Cultural Anthropology  
*(Prerequisites: ENG 100/101)*