

# ACADEMIC LEARNING GOALS

**L**IBERAL ARTS EDUCATION is an education for life, designed to expand the student's understanding of significant ideas and issues relevant to participation in a diverse, complex, and multicultural world. Madonna University provides students with career preparation within a liberal arts framework consistent with the mission statement of the University. To this end, the University requires all students to engage issues of diversity within a program that includes a general education core as well as a major program area.

The Madonna University program of study requirements evolves from statements of eight Academic Goals and Competencies that together characterize the liberally educated person. These eight competencies provide a rationale for the courses that are required to fulfill the general education and program major goals.

## General Education Core (Goals 1-6)

### Goal 1 - Communication

Develop effective communication skills.

- 1.1 Demonstrate the ability to write clear, effective English prose.
- 1.2 Demonstrate the ability to read effectively, think critically, and communicate clearly in group situations as well as in individual presentations.

### Goal 2 - Religious Values

Achieve an understanding of religious and moral dimensions of human experience.

- 2.1 Identify and describe the values, questions and expressions of truth as exemplified in the Judeo-Christian tradition as well as within various other religious traditions.
- 2.2 Explain the impact and influence of religion on contemporary institutions and on individual value decisions.

### Goal 3 - Cultural Traditions

Develop an understanding of and responsiveness to the aesthetic, emotive, and intellectual expressions of human concerns through the Humanities and Arts.

- 3.1 Demonstrate the ability to interpret the Humanities as they are expressed in their cultural richness and ethnic diversity.
- 3.2 Identify and describe the stages of human civilizations as expressed through the creative arts.
- 3.3 Explain how historical and/or philosophical investigation of human experience reveals multiple views of the human condition.
- 3.4 Critically assess how literature through the creative power of language evokes complex realities in response to questions of human worth, human purpose, and human potential.

### Goal 4 - Scientific Inquiry

Achieve an understanding of modern concepts of science, computer technology, and mathematics, and the relationship between scientific and technological realities in contemporary life.

- 4.1 Demonstrate an understanding of the concepts, language and tools of mathematics and develop the ability to reason using mathematical techniques.
- 4.2 Demonstrate an understanding of the scientific bases for the study of the physical and biological worlds and their relationship to cultural and social life.
- 4.3 Demonstrate an understanding of the scientific method and its application to problem solving and discovery.

- 4.4 Demonstrate a fundamental understanding of the theory and application of computer technology and information management.

### Goal 5 - Personal and Social Environment

Develop an understanding of the ways in which individuals perceive, experience, and behave in their personal and social environment.

- 5.1 Describe the ways in which the individual is affected by the total environment.
- 5.2 Describe and analyze the elements which contribute to effective interpersonal relationships.
- 5.3 Identify and analyze social problems confronting modern pluralistic society and the various personal and community strategies for dealing with these.
- 5.4 Demonstrate an understanding of adaptation to change in personal and social environments.

### Goal 6 - World Citizenship

Develop a facility for international and national citizenship skills.

- 6.1 Demonstrate an elementary theoretical understanding of international relations.
- 6.2 Describe international problems, achievements, and aspirations of the U.S. and other nations and cultures.
- 6.3 Analyze significant contemporary national and international issues.
- 6.4 Demonstrate through informed opinion the ability to participate effectively in the formulation of national and international policies.
- 6.5 Evaluate the impact of the increasingly multicultural nature and growing internationalization of American society.

## Program Major and Career Goals (Goals 7-8)

### Goal 7 - Personal and Professional Development

Achieve individual educational goals for personal enrichment and/or career development.

- 7.1 Knowledge and skills are based on specific major.

### Goal 8 - Significant Content Knowledge

Master a significant body of content knowledge.

- 8.1 Knowledge and skills are based on specific major.

# GRADUATION REQUIREMENTS FOR ASSOCIATE DEGREE

For the associate degree, a minimum of 60 s.h., including a major and a minimum of 33 semester hours in General Education, as outlined below, as well as (for specified students) the University Requirement, must be completed. (See also page 12.)

## UNIVERSITY REQUIREMENT:

- 1 s.h. UNV 1010 Transition to Higher Education  
For all students under age 24 transferring in fewer than 13 s.h. of college credit (excluding Advanced Placement and dual enrollment credits) – or
- 3 s.h. ESL 1010 Orientation to Higher Education for the International Student  
For all international students attending an American University for the first time. (If a student meets the criteria for both UNV 1010 and ESL 1010, only ESL 1010 is required.)

## GENERAL EDUCATION

### GOAL 1 – COMMUNICATION: Develop effective communication skills.

#### COMMUNICATION SKILLS, MINIMUM OF:

- 6 s.h. ENG 1010 College Composition I (3 s.h.) and ENG 1020 College Composition II (3 s.h.) or ESL 4230\* Academic ESL Writing (3 s.h.)

\*For non-native speakers of English only.

### GOAL 2 – RELIGIOUS VALUES: Achieve an understanding of religious and moral dimensions of human experience.

#### VALUES/RELIGIOUS PERSPECTIVES\*\*, MINIMUM OF:

- 3 s.h. Religious Studies

\*\* RST 3450, RST 3470, and all THL courses are designed basically within the Catholic tradition; all other RST courses are ecumenical in approach and of general interest.

### GOAL 3 – CULTURAL TRADITIONS: Develop an understanding of and responsiveness to the aesthetic, emotive, and intellectual expressions of human concerns through the humanities and arts.

#### CULTURE AND AESTHETIC APPRECIATION, MINIMUM OF:

- 3.A.
  - 4 s.h. HUM 2010 The Medium and the Message (4 s.h.)
  - HUM 2020 Humanities Through the Arts (4 s.h.)
- 3.B.
  - 3 s.h. AHIS 2020 Great Monuments in World Art (3 s.h.)
  - ENG 2230 Ideas in World Literature (3 s.h.)
  - MUS 2020 Music Through the Ages (3 s.h.)
- 3.D.
  - 3 s.h. HIS 1080 Ancient World (4 s.h.)
  - HIS 2450 Medieval and Renaissance Europe (4 s.h.)
  - HIS 3300 Early Modern Europe (4 s.h.)
  - HIS 3330 Modern Europe, 1815-Present (4 s.h.)
  - PHL 1010 Introduction to Philosophy (3 s.h.)
  - PHL 1050 Philosophy of Person (3 s.h.)
  - PHL 1550 Inquiry Into Values (3 s.h.)
  - PHL 2210 Person and Society (3 s.h.)
  - PHL 2850 Philosophy of Law (3 s.h.)

### GOAL 4 – SCIENTIFIC INQUIRY: Achieve an understanding of modern concepts of science, computer technology, and mathematics, and the relationship between scientific and technological realities in contemporary life.

#### 4.A. MATHEMATICAL SKILLS, MINIMUM OF:

- 3 s.h. MTH 1050 Intermediate Algebra (4 s.h.)
- MTH 1150 Contemporary Mathematics (3 s.h.)
- MTH 1210 Precalculus (5 s.h.)
- MTH 2350 Probability and Statistics (4 s.h.)
- MTH 2510 Calculus with Analyt. Geometry I (5 s.h.)

#### 4.B. COMPUTER LITERACY, MINIMUM OF:

- 2 s.h. CIS 2250 Computer Fundamentals (2 s.h.)
- CIS 2380 Introduction to Computers (3 s.h.)
- CSC 2010 Web Fundamentals (3 s.h.)
- CSC 2250 JavaScript Programming (3 s.h.)

Note: Students are required to pass a computer literacy course within their first three (3) semesters at Madonna University, unless they receive transfer credit for such a course taken at another institution.

#### 4.C. SCIENTIFIC BASES OF TECHNOLOGICAL REALITIES, MINIMUM OF:

- 3 s.h. BIO 1010 Introduction to Biology (4 s.h.)
- BIO 2240 Basic Human Physiology (4 s.h.)
- BIO 2430 Anatomy and Physiology I (3 s.h.)
- BIO 3150 Human Genetics and Society (3 s.h.)
- CHM 1010 Intro. Principles of Chemistry (4 s.h.)
- CHM 1110 General Chemistry I (4 s.h.)
- CHM 1610 Introduction to Life Chemistry (4 s.h.)
- ESS 2160 Earth Science (4 s.h.)
- ESS 3030 Oceans: Continuing Frontier (4 s.h.)
- ESS 3260 Meteorology (3 s.h.)
- ESS 3290 Principles of Astronomy (4 s.h.)
- FOR 1010 Intro. Princ. of Forensic Science (3 s.h.)
- GER 3150 Physical Aspects of Aging (3 s.h.)
- NFS 2250 Human Nutrition (FCS/HMG) (4 s.h.)
- NSC 1250 Health Problems (4 s.h.)
- NSC 3250 The Ascent of Man (4 s.h.)
- PHY 2530 General Physics I (4 s.h.)
- PHY 2540 General Physics II (4 s.h.)

### GOAL 5 – PERSONAL AND SOCIAL ENVIRONMENT: Develop an understanding of the ways in which individuals perceive, experience, and behave in their personal and social environment.

#### PERSONAL, SOCIAL, AND SOCIETAL SKILLS, MINIMUM OF:

- 3 s.h. PSY 1010 General Psychology (3 s.h.)

### GOAL 6 – WORLD CITIZENSHIP: Develop a facility for international and national citizenship skills.

#### NATIONAL AND INTERNATIONAL CITIZENSHIP SKILLS, MINIMUM OF:

- 3 s.h. HIS 1010 World Problems (3 s.h.)
- HIS 4320 Diplomatic History of the United States (3 s.h.)
- HIS 4631, 4632, 4633, 4634 Global Studies (3 s.h.)

# GRADUATION REQUIREMENTS FOR BACCALAUREATE DEGREE

**For the bachelor degree, a minimum of 120 s.h., including a major and a minimum of 52 semester hours in General Education, as outlined below, as well as (for specified students) the University Requirement, must be completed. (See also page 12.)**

## UNIVERSITY REQUIREMENT:

- 1 s.h. UNV 1010 Transition to Higher Education  
*For all students under age 24 transferring in fewer than 13 s.h. of college credit (excluding Advanced Placement and dual enrollment credits) — or*
- 3 s.h. ESL 1010 Orientation to Higher Education for the International Student  
*For all international students attending an American University for the first time. (If a student meets the criteria for both UNV 1010 and ESL 1010, only ESL 1010 is required.)*

## GENERAL EDUCATION

### GOAL 1 — COMMUNICATION: Develop effective communication skills.

#### COMMUNICATION SKILLS, MINIMUM OF:

- 6 s.h. ENG 1010 College Composition I (3 s.h.) and  
ENG 1020 College Composition II (3 s.h.) or  
ESL 4230\* Academic ESL Writing (3 s.h.)

\*For non-native speakers of English only.

### GOAL 2 — RELIGIOUS VALUES: Achieve an understanding of religious and moral dimensions of human experience.

#### VALUES/RELIGIOUS PERSPECTIVES\*\*, MINIMUM OF:

- 6 s.h. Religious Studies

\*\* All courses or workshops listed or cross-listed with the RST or THL rubrics may be used toward fulfillment of graduation Goal 2. Note that RST 3450, RST 3470, and all THL courses are designed basically within the Catholic tradition; all other RST courses are ecumenical in approach and of general interest.

### GOAL 3 — CULTURAL TRADITIONS: Develop an understanding of and responsiveness to the aesthetic, emotive, and intellectual expressions of human concerns through the humanities and arts.

#### CULTURE AND AESTHETIC APPRECIATION, MINIMUM OF:

- 3.A.
  - 4 s.h. HUM 2010 The Medium and the Message (4 s.h.)  
HUM 2020 Humanities Through the Arts (4 s.h.)  
HUM 3050 The Idea of Justice (4 s.h.)  
HUM 3080 The Nature and Scope of Inquiry (4 s.h.)  
HUM 3090 Holocaust: Issues and Themes in the Genocide of European Jewry (4 s.h.)
- 3.B.
  - 3 s.h. AHIS 2020 Great Monuments in World Art (3 s.h.)  
ENG 2230 Ideas in World Literature (3 s.h.)  
MUS 2020 Music Through the Ages (3 s.h.)
- 3.C.
  - 4 s.h. ENG 3010 Major American Writers: Beginnings to 1900 (4 s.h.)  
ENG 3020 Major Amer. Writers: 1900 to Pres. (4 s.h.)

- ENG 3540 American Folklore and Literature (4 s.h.)
- ENG 3550 Women in Literature (4 s.h.)
- ENG 3610 Major British Writers: Chaucer to Johnson (4 s.h.)
- ENG 3620 Major Brit. Writers: Blake to Eliot (4 s.h.)
- ENG 3710 Contemporary Literature (4 s.h.)
- ENG 4210 Time and Literature (4 s.h.)
- ENG 4230 Voices and Visions: Modern American Poets (4 s.h.)
- ENG 4240 Cultural Issues in Contemporary Literature and Film (1 s.h. each, *must complete 4 topics*)
- ENG 4540 Classics of African-American Lit. (4 s.h.)
- ENG 4550 Voices of Pluralism in American Literature (4 s.h.)
- ENG 4750 Studies in Literature (4 s.h.)

### 3.D.

- 3 s.h. HIS 1080 Ancient World (4 s.h.)  
HIS 2450 Medieval and Renaissance Europe (4 s.h.)  
HIS 3300 Early Modern Europe (4 s.h.)  
HIS 3330 Modern Europe, 1815-Present (4 s.h.)  
PHL 1010 Introduction to Philosophy (3 s.h.)  
PHL 1050 Philosophy of Person (3 s.h.)  
PHL 1550 Inquiry Into Values (3 s.h.)  
PHL 2010 Logic (3 s.h.)  
PHL 2210 Person and Society (3 s.h.)  
PHL 2850 Philosophy of Law (3 s.h.)  
PHL 3150 Existentialism (3 s.h.)  
PHL 3310 Philosophy of Science (3 s.h.)  
PHL 3650 Philosophy of Knowledge (3 s.h.)  
PHL 4080 Moral Issues in Business (3 s.h.)  
PHL 4090 Environmental Ethics (3 s.h.)  
PHL 4110 Medical Ethics (3 s.h.)  
PHL 4150 Philosophy of Religion (3 s.h.)  
PHL 4230 Metaphysics (3 s.h.)

### GOAL 4 — SCIENTIFIC INQUIRY: Achieve an understanding of modern concepts of science, computer technology, and mathematics, and the relationship between scientific and technological realities in contemporary life.

#### 4.A. MATHEMATICAL SKILLS, MINIMUM OF:

- 3 s.h. MTH 1050 Intermediate Algebra (4 s.h.)  
MTH 1060 Trigonometry (3 s.h.)  
MTH 1150 Contemporary Mathematics (3 s.h.)  
MTH 1210 Precalculus (5 s.h.)  
MTH 2300 Business Calculus (4 s.h.)  
MTH 2330 Learning and Teaching Number Concepts (3 s.h.)  
MTH 2350 Probability and Statistics (4 s.h.)  
MTH 2510 Calculus with Analytic Geom. I (5 s.h.)

#### 4.B. COMPUTER LITERACY, MINIMUM OF:

- 2 s.h. CIS 2250 Computer Fundamentals (2 s.h.)  
CIS 2380 Introduction to Computers (3 s.h.)  
CSC 2010 Web Fundamentals (3 s.h.)  
CSC 2250 JavaScript Programming (3 s.h.)

Note: Students are required to pass a computer literacy course within their first three (3) semesters at Madonna University, unless they receive transfer credit for such a course taken at another institution.

**4.C. SCIENTIFIC BASES OF TECHNOLOGICAL REALITIES/  
BIOLOGICAL SCIENCE, MINIMUM OF:**

- 3 s.h. BIO 1010\* Introduction to Biology (4 s.h.)  
BIO 1030\* General Biology I (4 s.h.)  
BIO 1040\* General Biology II (4 s.h.)  
BIO 2240 Basic Human Physiology (4 s.h.)  
BIO 2260\* Microbiology (4 s.h.)  
BIO 2430\* Anatomy and Physiology I (3 s.h.)  
BIO 2440\* Anatomy and Physiology II (3 s.h.)  
BIO 3150 Human Genetics and Society (3 s.h.)  
BIO 3300 Human Sexuality in a World of  
Diversity (4 s.h.)  
BIO 3610 Epidemiology (3 s.h.)  
BIO 3710 Pathophysiology (3 s.h.)  
CHM 3610\* Biochemistry I (4 s.h.)  
GER 3150 Physical Aspects of Aging (3 s.h.)  
NFS 2250 Human Nutrition (FCS/HMG) (4 s.h.)  
NSC 1250 Health Problems (4 s.h.)  
NSC 3080 The Nature and Scope of Inquiry (3-4 s.h.)  
NSC 3730\* Science Foundations I (4 s.h.)

**4.D. SCIENTIFIC BASES OF TECHNOLOGICAL REALITIES/  
PHYSICAL SCIENCE, MINIMUM OF:**

- 4 s.h. CHM 1010\* Introduct. Principles of Chemistry (4 s.h.)  
CHM 1110\* General Chemistry I (4 s.h.)  
CHM 1610\* Introduction to Life Chemistry (4 s.h.)  
ESS 2160\* Earth Science (4 s.h.)  
ESS 3030 Oceans: Continuing Frontier (4 s.h.)  
ESS 3260 Meteorology (3 s.h.)  
ESS 3290\* Principles of Astronomy (4 s.h.)  
FOR 1010\* Intro. Princ. of Forensic Science (3 s.h.)  
NSC 3080 Nature and Scope of Inquiry (3-4 s.h.)  
NSC 3250 The Ascent of Man (4 s.h.)  
NSC 3740\* Science Foundations II (4 s.h.)  
PHY 2530\* General Physics I (4 s.h.)  
PHY 2540\* General Physics II (4 s.h.)  
PHY 2710\* Fundamental Electronics (4 s.h.)

\* These courses include a Laboratory Science Experience. One of the science courses must be selected from the group that includes a laboratory experience.

**GOAL 5 – PERSONAL AND SOCIAL ENVIRONMENT:  
Develop an understanding of the ways in which individuals perceive, experience, and behave in their personal and social environment.**

**PERSONAL, SOCIAL, AND SOCIETAL SKILLS, MINIMUM OF:**

**5.A.**

- 3 s.h. PSY 1010 General Psychology (3 s.h.)

**5.B.**

- 6 s.h. BUS 1010 Contemporary Society and the  
Organization (3 s.h.)  
CJ 1020 Introduction to Criminal Justice (3 s.h.)  
ENG 2620 Language and Culture (3 s.h.)  
ENG 3260 Business and Professional Writing (BUS)  
(3 s.h.)  
FIN 3700 Life Cycle Financial Planning (3 s.h.)  
GER 1070 Introduction to Gerontology (3 s.h.)  
GER 3070 Psychology of Aging (3 s.h.)  
LAW 1000 Introduction to Paralegal Studies (3 s.h.)  
MGT 2160 Human Behavior and Attitudes (2 s.h.)  
MGT 2360 Principles of Management (3 s.h.)  
MGT 3020 Organizational Behavior (3 s.h.)  
MGT 3160 Human Behavior and Leadership (2 s.h.)

- MIS 3420 Computer Ethics (3 s.h.)  
PSY 2450 Life Span Developmental Psychology  
(4 s.h.)  
PSY 3660 Social Psychology: A Psychological  
Perspective (4 s.h.)  
SSC 3080 The Nature and Scope of Inquiry  
(3-4 s.h.)  
SLS 1000 Intro. to Sign Language Studies (3 s.h.)  
SLS 3310 Deaf Culture (3 s.h.)  
SOC 1010 Intro. to Sociology and Cultural  
Anthropology (4 s.h.)  
SOC 2210 Social Problems (4 s.h.)  
SOC 3120 Diversity, Discrimination, and Social Justice  
(3 s.h.)  
SOC 3220 Race, Ethnicity, and Class in American  
Life (4 s.h.)  
SOC 3530 Marriage and the Family (4 s.h.)  
SOC 3670 Social Psychology (4 s.h.)  
SOC 3750 Religion and Society (3 s.h.)  
SW 2300 Introduction to Social Work (4 s.h.)

**GOAL 6 – WORLD CITIZENSHIP: Develop a facility for  
international and national citizenship skills.**

**NATIONAL AND INTERNATIONAL CITIZENSHIP SKILLS,**

**MINIMUM OF:**

**6.A.**

- 3 s.h. HIS 1010 World Problems (3 s.h.)  
HIS 4320 Diplomatic History of the United States  
(3 s.h.)  
HIS 4631 Global Studies: Modern Africa (3 s.h.)  
HIS 4632 Global Studies: Modern Asia (3 s.h.)  
HIS 4633 Global Studies: Modern Latin America  
(3 s.h.)  
HIS 4634 Global Studies: Modern Middle East  
(3 s.h.)

**6.B.**

- 3 s.h. CJ 2350 The American Judicial Process (3 s.h.)  
ECN 2710 Economics for Human Services (3 s.h.)  
ECN 2720 Principles of Microeconomics (3 s.h.)  
ECN 2730 Principles of Macroeconomics (3 s.h.)  
GEO 3010 World Regional Geography (4 s.h.)  
HIS 2310 United States to 1900 (4 s.h.)  
HIS 3410 Minority Groups in America (4 s.h.)  
HIS 4510 Economic and Business History of the  
United States (4 s.h.)  
HIS 4530 United States in the Twentieth  
Century (4 s.h.)  
PSC 2510 American Government (4 s.h.)  
PSC 3010 International Relations (4 s.h.)  
PSC 3210 Comparative Politics (4 s.h.)  
PSC 4510 State and Local Government (4 s.h.)  
Foreign Language (3 s.h.)\*

\* Up to three (3) semester hours of foreign language, including Sign Language Studies but excluding SLS 1000 and FL 2100, can be used to satisfy the second portion of requirements under Goal 6 (World Citizenship) of the General Education requirements.

Students who wish to study a language not being taught at Madonna University should see their major advisor or the Office of Academic Advising to arrange Consortium registration at the University of Detroit Mercy or Marygrove College, or see the Center for International Relations to discuss opportunities for study abroad.