Youngstown State University
College of STEM
Summary of General Education Model (2012)

BACCALAUREATE DEGREE

1. **ESSENTIAL SKILLS**
   Writing I & II (2 Courses)
   - ENGL 1550 (Prereq: Placement test or successful completion of ENGL 1539 or ENGL 1540)
   - ENGL 1551 (Prereq: ENGL 1550)

   Speaking/ Communication Foundations (1 Course)
   - CMST 1545 (Prereq: Qualified to take ENGL 1550)

   Mathematics (1 Course)
   MAJOR SPECIFIC

2. **KNOWLEDGE DOMAINS**
   **Students must take two courses in each of the four knowledge domains and one general elective**

   - Arts and Humanities (AH) (2 Courses)
   - Natural Science (NS) (2 Courses)
   - Social Science (SS) (2 Courses)
   - Social and Personal Awareness (SPA) (2 Courses)
     - Domestic Diversity (DD)
     - Environmental Sustainability (ES)
     - International Perspectives (IP)
     - Well Being (WB)

   General Elective (1 Course) (From any of the 4 knowledge domains listed above)

Total Essential Skills and Knowledge Domain Courses = 13 Courses

3. **CAPSTONE**
   **Students must take one upper division capstone course in the major or from another area that satisfies general education criteria. Capstone courses are expected to incorporate writing, oral communication and reasoning critically as appropriate in each discipline.**

   (1 Course)

4. **FOREIGN LANGUAGE**
   **All students earning a Bachelor of Arts (AB) or a Bachelor of Science (BS) degree are required to complete a foreign language through the 2600 level.**

   (2 Courses) French, Ancient Greek, Latin, German, Italian, Spanish, Swahili, Arabic, Chinese, Russian, Hebrew

*If you have questions regarding General Education Requirements, please contact:*
The Advising Center in the College of STEM
Moser Hall, Room 2325
330.941.2512

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Some courses are listed in multiple domains. Students can use the course in either domain, but cannot use the course in both domains simultaneously. Following is a list of the approved General Education Courses.

1. ARTS AND HUMANITIES (AH)

   Students must choose 2 courses from the following list. Only one professional ethics course (~) can be counted towards general education credit.

   AFST 2601  Introduction to Africana Studies 2
   ART 1540  Masterpieces of World Art
   ART 1541  Survey of Art History 1
   ART 1542  Survey of Art History 2
   DNCE 2698  Survey of Dance
   ENGL 1590  Introduction to Literature
   ENGL 2603  Journalism Ethics and Social Responsibility (~)
   ENGL 2610  World Literature
   ENGL 2617  Women in Literature
   ENGL 2618  American Literature and Diversity
   ENGL 2631  Mythology in Literature
   ENGL 2665  Introduction to Film Study
   FNLG 2610  Foreign Film
   MUED 2621  Musical Literature and Appreciation
   MUHL 2616  Survey of Jazz
   MUHL 2617  Film Music
   MUHL 2618  Rock ‘n Roll to Rock
   MUHL 2622  Popular Music in America
   PHIL 2600  Introduction to Philosophy
   PHIL 2608  The Examined Life
   PHIL 2609  Technology and Human Values
   PHIL 2616  Character and Virtue
   PHIL 2625  Introduction to Professional Ethics (~)
   PHIL 2626  Engineering Ethics (~) (Prereq: One 2600 level PHIL course, or ENTC 1505 or ENGR 1550)
   PHIL 2627  Law and Criminal Justice Ethics (~) (Prereq: Any 2600 level PHIL course or CJFS 2601, 2602, 2603)
   PHIL 2628  Business Ethics (~)
   PHIL 2630  Critical Thinking
   PHIL 3711  General Ethics (Prereq: PHIL 2600)
   PHIL 3760  Ethics of War and Peace (Prereq: PHIL 2600 or REL 2621)
   REL 2601  Introduction to World Religions
   REL 2605  Myth, Symbol and Ritual
   REL 2617  Introduction to Eastern Religion
   REL 2621  Religion and Moral Issues
   REL 2631  Religion and the Earth
   THTR 1512  Survey of Musical Theatre
   THTR 1560  Understanding Theatre
   THTR 1590  History of Motion Pictures
   THTR 2690  The Art of Motion Pictures (Prereq: Sophomore Standing)

2. NATURAL SCIENCE (NS)

   Students must choose 2 courses from the following list. At least 1 course must have a lab component.

   ASTR 1504/L  Descriptive Astronomy
   BIOL 1505/L  Biology and the Modern World
   CHEM 1500/L  Chemistry in Modern Living
   ENST 1500/L  Introduction to Environmental Science
   GEOG 1503  Physical Geography
   GEOG 2630/L  Weather
   GEOL 1500/L  Environmental Geology (class and lab must be taken in the same term)
   GEOL 1504  The Dynamic Earth
   GEOL 2602  Introduction to Oceanography
   PHYS 1500/L  Conceptual Physics
   PHYS 2608  Sound
The following courses were designed for science and health science majors. Students should consult their advisor before selecting them.

BIOL 1545/L  Allied Health Anatomy/Physiology (Prereq: High School Biology and Chemistry or equivalent)
BIOL 1551/L  Anatomy & Physiology I (Prereq: High School Biology and Chemistry)
BIOL 1552/L  Anatomy & Physiology II (Prereq: BIOL 1551)
BIOL 2601/L  General Biology: Molecules and Cells (Prereq: CHEM 1515 or concurrent enrollment in CHEM 1515)
BIOL 2602/L  General Biology: Organisms and Ecology (Prereq: BIOL 2601 and CHEM 1515)
CHEM 1505/L  Allied Health Chemistry I (Prereq: CHEM 1501 or equiv, MATH 1507/08 or equiv. Concurrent w/ Lab)
CHEM 1506/L  Allied Health Chemistry II (Prereq: CHEM 1505. Concurrent with 1506 L)
CHEM 1515/L  General Chemistry I (Prereq: CHEM 1501 or equiv. MATH 1513 or equiv. Con. w/ Lab & R if major)
CHEM 1516/L  General Chemistry II (Prereq: CHEM 1515, Con. w/ 1516 Lab; CHEM 1516R if major or repeating 1516)
GEOL 1505/L  Physical Geology
GEOL 2611  Geology for Engineers
PHYS 1501/L  Fundamentals of Physics I (Prereq: Math 1507 & 1508 or equiv. or at least a level 40 on placement test)
PHYS 1502/L  Fundamentals of Physics II (Prereq: PHYS 1501 or equiv.)
PHYS 2601/2610 L  General Physics for Applied Medical Studies I (Prereq/concurrent: MATH 1571, 1581H or 1585H)
PHYS 2602/2611L  General Physics for Applied Medical Studies II (Prereq: PHYS 2601)
PHYS 2607  Physical Science for Early & Middle Childhood Edu (Prereq: MATH 1501 or level 30, UD status)
PHYS 2610/L  General Physics I (Prereq: HS physics or PHYS 1501. Prereq or concurrent: MATH 1571)
PHYS 2611/L  General Physic II (Prereq: PHYS 2610. Prereq or concurrent: MATH 1572)

3. SOCIAL SCIENCE (SS)

Students must choose 2 courses from the following list. (* ECON 1501 and ECON 2610 cannot both be used for General Education Credit)

AFST 2600  Introduction to Africana Studies I
AMER 2601  American Identity
AMER 2610  Work & Class in American Culture
ANTH 1500  Introduction to Anthropology
ANTH 1503  The Rise and Fall of Civilizations
CJFS 1500  Introduction to Criminal Justice
ECON 1501*  Economics in Action
ECON 1502  Panic and Prosperity: U.S. Economic Policy since the Great Depression
ECON 1503  Rich and Poor: Diversity and Disparity in the U.S. Workplace
ECON 2610*  Principles of Microeconomics (Prereq: MATH 1501 or a level 20 or higher on the math placement test)
ECON 2630  Principles of Macroeconomics (Prereq: ECON 2610)
ENGL 2651  Introduction to Language
GEOG 2626  World Geography
GEOG 2640  Human Geography
GEOG 2650  Global Economic Landscapes
GERO 1501  Introduction to Gerontology
HIST 1500  Discovering World History
HIST 1501  American Dreams
HIST 1511  World Civilization to 1500 (Prereq: Placement into ENGL 1550 or completion of ENGL 1539/1540)
HIST 1512  World Civilization since 1500 (Prereq: Placement into ENGL 1550 or completion of ENGL 1539/1540)
HIST 2605  Turning Points in U.S. History I (Prereq: Readiness for ENGL 1550)
HIST 2606  Turning Points in U.S. History II (Prereq: Readiness for ENGL 1550)
PHLT 1531  Fundamentals of Public Health
POL 1550  Introduction to Political Science
POL 1560  American Government
POL 2640  Comparative World Government (Prereq: POL 1550 or POL 1560)
PSYC 1560  General Psychology
PSYC 3700  Social Psychology (Prereq: PSYC 1560 or SOC 1500)
PSYC 3755  Child Development (Prereq: PSYC 1560)
PSYC 3758  Lifespan Development (Prereq: PSYC 1560)
SOC 1500  Introduction to Sociology
SOC 3703  Aging and Society (Cross-listed w/ GERO 3703) (Prereq: SOC 1500 or GERO 1501)
TCOM 1595  Survey of American Mass Communication
WMST 2601  Introduction to Women’s Studies
4. SOCIAL AND PERSONAL AWARENESS (SPA)
Students must choose 2 courses from the following list. The list is broken into 4 categories: Domestic Diversity, Environmental Sustainability, International Perspectives and Well Being.

DOMESTIC DIVERSITY (DD)
AFST 2600  Introduction to Africana Studies I
AFST 2601  Introduction to Africana Studies II
AMER 2601  American Identity
CMST 2610  Intercultural Communication
ENGL 2617  Women in Literature
ENGL 2618  American Literature and Diversity
ENGL 2651  Introduction to Language
HIST 2606  Turning Points in U.S. History II (Prereq: Readiness for ENGL 1550)
SOC 2690  Identities and Differences
WMST 2601  Introduction to Women’s Studies

ENVIRONMENTAL SUSTAINABILITY (ES)
ENST 1500/L  Introduction to Environmental Science
GEOL 1500/L  Environmental Geology (Class and lab must be taken in the same term)
PHIL 3727  Environmental Ethics (Prereq: Phil 2600 or ENST 2600)
REL 2631  Religion and the Earth

INTERNATIONAL PERSPECTIVES (IP)
ART 1540  Masterpieces of World Art
ART 1542  Survey of Art History II
FNLG 2610  Foreign Film
GEOG 2626  World Geography
GEOG 2640  Human Geography
GEOG 2650  Global Economic Landscapes
HIST 1500  Discovering World History
HIST 1512  World Civilization since 1500 (Prereq: Placement into ENGL 1550 or completion of ENGL 1539/1540)
MUED 2621  Musical Literature and Appreciation
POL 1550  Introduction to Political Science
POL 2640  Comparative World Government (Prereq: POL 1550 or POL 1560)
REL 2601  Introduction to World Religions
REL 2617  Introduction to Eastern Religions

WELL BEING (WB)
COUN 1587  Introduction to Health and Wellness in Contemporary Society
FNUT 1551  Normal Nutrition (Prereq: CHEM 1500 or high school equivalent)
HPES 1500  Physical Activity Core Concepts
(2 HPES activity courses must be taken in addition to this course to satisfy the GER req.)
PHLT 1531  Fundamentals of Public Health
PHLT 1568  Healthy Lifestyles
PSYC 2692  Human Sexuality
PSYC 3707  Psychology of Intimate Relationships (Prereq: PSYC 1560)
PSYC 3758  Lifespan Development (Prereq: PSYC 1560)
SOC 3703  Aging and Society (cross-listed w/ GERO 3703) (Prereq: SOC 1500 or GERO 1501)
SOC 3745  Sociology of Health, Illness & Health Care (Cross-listed w/ GERO 3745) (Prereq: SOC 1500 or GERO 1501)