IUPUC 30 Hour Transferable Core General Education Approved* Courses
Organized by IUPUC General Education Student Learning Outcomes (SLOs)

I. Foundational Intellectual Skills – 6 credit hours

A. Core Communications
   1. Discover, explore, and analyze ideas, taking into account diverse sources and viewpoints; present the results in writing with attention to appropriate genre, audience expectations, and rhetorical conventions.
      ENGLISH
      ENG-W 131 Elementary Composition I (3 cr)
   2. Demonstrate both a) proficiency in oral discourse in a variety of formats and b) the ability to evaluate oral presentations according to established criteria.
      COMMUNICATIONS AND THEATRE
      COMM-R 110 Fundamentals of Speech Communication (3 cr)

B. Mathematical Modeling – 3 to 5 credit hours
   3. Solve problems and be able to make inferences by application of appropriate mathematical models
      MATHEMATICS
      MATH-M 118 Finite Mathematics (3 cr)
      MATH-M 119 Brief Survey of Calculus (3 cr)
      MATH 15300 Algebra and Trigonometry I (3 cr)
      MATH 15900 Pre-calculus (5 cr)
      MATH 165 Calculus I (4 cr)
      MATH 166 Calculus II (4 cr)
      MATH 171 Multidimensional Math (3 cr)
      MATH 261 Multivariable Calculus (4 cr)
      MATH 266 Differential Equations (3 cr)
      PHILOSOPHY
      PHIL P-162 Logic (3 cr)
      STATISTICS
      STAT 113
      STAT 30100

II. Ways of Knowing

A. Natural, Quantitative and Information Sciences - 9-11 credit hours
   4. Demonstrate the ability to explain and use natural scientific vocabulary and concepts, the ability to describe methods applicable to answering scientific questions, and the ability to articulate criticism of scientific debates and discoveries.
      ASTRONOMY
      AST-A 100 The Solar System (3 cr)
      AST-A 105 Stars and Galaxies (3 cr)
      BIOLOGY
BIOL-K 101 Concepts of Biology I (5 cr)
BIOL-N 100 Contemporary Biology (3 cr)
BIOL-N 108 Plants, Animals and the Environment (3 cr)
BIOL-N 212 Human Biology (3 cr)
BIOL-N 261 Human Anatomy (5 cr)
CHEMISTRY
CHEM-C 100 The World of Chemistry (3 cr)
CHEM-C 101 Elementary Chemistry I (3 cr)
CHEM-C 105 Principles of Chemistry I (3 cr)
CHEM-C 110 The Chemistry of Life (3 cr)
COMPUTER SCIENCE
ENGR 196 Introduction to Computer-aided Design (3 cr)
ENGR 197 Introduction to Programming (2 cr)
ENGR 297 Computer Tools using MatLab (1 cr)
ECONOMICS (STATISTICS)
ECON E280 Statistics for Business and Economics I (3 cr)
ECON E281 Statistics for Business and Economics II (3 cr)
GEOGRAPHY
GEOG-G 107 Physical Systems of the Environment (3 cr)
GEOLOGY
GEOL-G 107 Environmental Geology (3 cr)
GEOL-G 109 Fundamentals of Earth History (3 cr)
GEOL-G 110 Physical Geology (3 cr)
GEOL-G 115 Introduction to Oceanography (3 cr)
PHYSICS
PHYS-P 100 Physics in the Modern World
PHYS 15200 Mechanics (4 cr)
PHYS 20000 Physical Environment (3 cr)
PHYS 21800 General Physics I (4 cr)
PHYS 25100 (5 cr)
STATISTICS
STAT 350 Calculus-based Statistics (3 cr)
ENGINEERING
ENGR 195 Introduction to Engineering (1 cr)
ME 200 Thermodynamics (3 cr) for engineering
ME 270 Statics (3 cr) for engineering
ME 274 Dynamics (3 cr)
ME 262 Introduction to Engineering Design (3 cr)

5. **Demonstrate the ability to obtain, analyze, interpret and criticize qualitative observations and quantitative measurements to explain natural phenomena and to test hypotheses.**

ASTRONOMY
AST-A 100 The Solar System (3 cr)
AST-A 105 Stars and Galaxies (3 cr)
BIOLOGY
BIOL-K 101 Concepts of Biology I (5 cr)
BIOL-N 100 Contemporary Biology (3 cr)
BIOL-N 108 Plants, Animals and the Environment (3 cr)
BIOL-N 212 Human Biology (3 cr)
BIOL-N 213 Human Biology Lab (1 cr)
BIOL-N 261 Human Anatomy (5 cr)

CHEMISTRY
CHEM-C 100 The World of Chemistry (3 cr)
CHEM-C 101 Elementary Chemistry I (3 cr)
CHEM-C 105 Principles of Chemistry I (3 cr)
CHEM-C 110 The Chemistry of Life (3 cr)
CHEM-C 115 Lab for Chemistry of Life (2 cr)

GEOGRAPHY
GEOG-G 107 Physical Systems of the Environment (3 cr)

GEOL-G 107 Environmental Geology (3 cr)
GEOL-G 109 Fundamentals of Earth History (3 cr)
GEOL-G 110 Physical Geology (3 cr)
GEOL-G 115 Introduction to Oceanography (3 cr)
GEOL-G 117 Environmental Geology Lab (1 cr)
GEOL-G 119 Fundamentals of Earth History Lab (1 cr)
GEOL-G 120 Physical Geography Lab (1 cr)

PHYSICS
PHYS 15200 Mechanics (4 cr)
PHYS 20000 Physical Environment (3 cr)
PHYS 21800 General Physics I (4 cr)

6. IUPUC General Education Student Learning Outcome 6 is not included in the 30 hour transferable core.

B. Arts and Humanities - 9 credits total from Arts & Humanities and Social & Historical

7. Demonstrate an understanding and appreciation of the complexity of the human experience, the arts and aesthetics, and the great ideas and cultures of the world; Interpret and critically evaluate the creative products of human expression.

ART
HER-E 101 Beginning Drawing (3 cr)
HER-E 102 Drawing II (3 cr)
HER-H 100 Art Appreciation (3 cr)

COMMUNICATIONS
COMM M150 Mass Media and Contemporary Society
COMM T-130 Introduction to Theatre

ENGLISH
ENG-L 202 Literary Interpretations (3 cr)
ENG-L 115 Literature for Today (3 cr)
ENG-L 203 Introduction to Drama (3 cr)
ENG-L 204 Introduction to Fiction (3 cr)
ENG-L 205 Introduction to Poetry (3 cr)
ENG-L 207 Women and Literature (3 cr)
ENG-L 213 Literary Masterpieces (3 cr)
ENG-L 214 Literary Masterpieces (3 cr)
ENG-W 210 Literacy and Public Life (3 cr)
GEOGRAPHY
GEOG-G 110 Introduction to Human Geography (3 cr)
MUSIC
MUS-E 241 Introduction to Music Fundamentals (3 cr)
MUS-Z 201 History of Rock and Roll Music (3 cr)
PHILOSOPHY
PHIL-P 110 Introduction to Philosophy
PHIL-P 120 Ethics

C. Social and Historical Studies - 9 credits total from Arts & Humanities and Social & Historical

8. Understand the methods social scientists use to explore social phenomena; describe forces (e.g. economic, social, political) that influence behavior.

ANTHROPOLOGY
ANTH-A 103 Human Origins and Prehistory (3 cr)
ANTH-A 104 Cultural Anthropology (3 cr)
COMMUNICATIONS
COMM-C 180 Introduction to Interpersonal Communication (3 cr)
ECONOMICS
ECON-E 101 Survey of Economic Issues and Problems (3 cr)
ECON-E 201 Introduction to Microeconomics (3 cr)
ECON-E 202 Introduction to Macroeconomics (3 cr)
EDUCATION
EDUC-P 251 Educational Psychology for Elementary Teachers (3 cr)
EDUC-P254 Educational Psychology for K-12 Teachers (3 cr)
ENGLISH
ENG-Z 205 Introduction to the English Language (3 cr)
FOLKLORE
FOLK-F 101 Introduction to Folklore
INTERNATIONAL STUDIES
INTL-I 100 Introduction to International Studies
POLITICAL SCIENCE
POLS-Y 101 Introduction to Political Science (3 cr)
POLS-Y 103 Introduction to American Politics (3 cr)
POLS Y217 Comparative Politics (3 cr)
POLS Y219 International Relations (3 cr)
PSYCHOLOGY
PSY-B 104 Psychology as a Social Science (3 cr)
PSY-B 105 Psychology as a Biological Science (3 cr)

RELIGIOUS STUDIES
REL-R 133 Introduction to Religion (3 cr)
REL-R 212 Comparative Religions (3 cr)

SOCIOLOGY
SOC-R 100 Introduction to Sociology (3 cr)
SOC-R 121 Social Problems (3 cr)

PUBLIC AND ENVIRONMENTAL AFFAIRS
SPEA-J 101 American Criminal Justice System (3 cr)

9. Understand how people have existed, acted and thought in the past in various parts of the world; describe the social and historical forces that impacted them and how those forces might influence contemporary society.

ANTHROPOLOGY
ANTH-A 103 Human Origins and Prehistory (3 cr)
ANTH-A 104 Cultural Anthropology (3 cr)
ANTH-P 220 The Rise of Civilization (3 cr)

FOLKLORE
FOLK-F 101 Introduction to Folklore (3 cr)

GEOGRAPHY
GEOG-G 110 Introduction to Human Geography (3 cr)
GEOG-G 130

HISTORY
HIST-H 105 American History I (3 cr)
HIST-H 106 American History II (3 cr)
HIST-H 108 World History I (3 cr)
HIST-H 109 World History II (3 cr)
HIST-H 113 History of Western Civilization I (3 cr)
HIST-H 114 History of Western Civilization II (3 cr)
HIST-H 207 Modern East Asian Civilization (3 cr)

WOMEN’S STUDIES
WOST W105

III. Modes of Inquiry

A. World Languages and Cross-Cultural Inquiry

10. Demonstrate both a) an understanding and appreciation of the complexity of world cultures and b) the ability to think transnationally or transculturally about social, political, economic, aesthetic, or technological issues.

AMERICAN SIGN LANGUAGE
ASL-A 131 Intensive Beginning American Sign Language I (5 cr)
ASL-A 132 Intensive Beginning American Sign Language II (5 cr)

ANTHROPOLOGY
ANTH-A 103 Human Origins and Prehistory (3 cr)
ANTH-A 104 Cultural Anthropology (3 cr)
EDUCATION
EDUC-E 201 Multicultural Education and Global Awareness (3 cr)
HISTORY
HIST H108 World History I (3 cr)
HIST H109 World History II (3 cr)
INTERNATIONAL STUDIES
INTL I100 Introduction to International Studies
NEAR EASTERN LANGUAGES AND CULTURE –
NELC-A131 Basic Arabic I
NELC-A132 Basic Arabic II
POLITICAL SCIENCE
POLS Y217 Comparative Politics (3 cr)
POLS Y219 International Relations (3 cr)
RELIGIOUS STUDIES
REL-R 212 Comparative Religions (3 cr)
REL-R 133 Introduction to Religion (3 cr)
SPANISH
SPAN-S 117 Beginning Spanish I (3 cr)
SPAN-S 131 Intensive Beginning Spanish I (5 cr)
SPAN-S 132 Intensive Beginning Spanish II (5 cr)