WRIGHT STATE UNIVERSITY

The 2020-2021

Wright State Core
A university degree goes beyond preparing graduates for a profession; it transforms their lives and their communities. Wright State graduates will have the ability to apply insights from multiple disciplines to engage effectively with a diverse world. **The Wright State Core** is an integrated program of courses and experiences that provides students with the breadth of skills, knowledge and understanding expected of university graduates. The program helps students develop the knowledge and skills essential for critical thinking, creative problem solving, meaningful civic engagement, multicultural competence, appreciation for the arts, and life-long learning.

**UNIVERSITY LEARNING OBJECTIVES**

Wright State graduates will be able to:

1. communicate effectively
2. demonstrate mathematical literacy
3. evaluate arguments and evidence critically
4. apply the methods of inquiry of the natural sciences, social sciences, and the arts and humanities
5. demonstrate global and multicultural competence
6. demonstrate understanding of contemporary social and ethical issues
7. participate in democratic society as informed and civically engaged citizens

**THE ELEMENTS OF THE WRIGHT STATE CORE**

The Elements of the Wright State Core are the foundational skills, the broad areas of knowledge and practice, and the global, historical, and cultural perspectives that together provide Wright State University students with the ability to negotiate their roles successfully and constructively in a changing world. Even more than in the past, graduates must be proficient in all methods of communication, able to use and interpret mathematical and statistical information, and must understand the methods of inquiry of the historian, the scientist, and the humanist.

*Updated May 2020*
LEARNING OUTCOMES

AT THE COMPLETION OF THE WRIGHT STATE CORE, A STUDENT WILL BE ABLE TO DO EACH OF THE FOLLOWING:

ELEMENT 1: COMMUNICATION

The foundational skills students need in academic discourse, research, and documentation in an electronic environment

− Adapt rhetorical processes and strategies for audience, purpose, and type of task
− Organize and produce texts that meet the demands of specific genres, purposes, audiences, and stances
− Employ appropriate mechanics, usage, grammar, and spelling conventions
− Find, analyze, evaluate, summarize, and synthesize appropriate source material from both print and electronic environments
− Use reliable and varied evidence to support claims, incorporate ideas from sources appropriately, and acknowledge and document the work of others appropriately
− Present focused, logical arguments that support a thesis
− Use electronic environments to draft, revise, edit, and share or publish texts

ELEMENT 2: MATHEMATICS

The foundational skills required to use and interpret mathematics and statistics

− Identify the various elements of a mathematical or statistical model
− Determine the values of specific components of a mathematical/statistical model or relationships among various components
− Apply a mathematical/statistical model to a real-world problem
− Interpret and draw conclusions from graphical, tabular, and other numerical or statistical representations of data
− Summarize and justify analyses of mathematical/statistical models for problems, expressing solutions using an appropriate combination of words, symbols, tables or graphs
**Element 3: Global Traditions**

Historical analysis and global perspectives necessary to understand our diverse world

- Critically describe some of the political, social or economic systems, historical, cultural or spiritual traditions, and/or technological innovations around the world
- Demonstrate an awareness of the diversity of people or traditions in our world in ways that promote effective engagement, both locally and globally
- Use political, social, economic, historical, cultural, spiritual or technological knowledge to evaluate contemporary issues

**Element 4: Arts and Humanities**

Tools for analysis and appreciation of the arts, philosophy, and religious thought

- Critically analyze significant creative, literary, philosophical or religious works
- Understand and discuss the complex blend of imaginative vision, socio-cultural context, ethical values, and aesthetic judgment in creative, philosophical or religious works
- Recognize, evaluate and respond to creative, philosophical or religious works
- Develop appropriate and ethical applications of knowledge in the humanities or the arts

**Element 5: Social Science**

Perspectives on human behavior and culture informed by the disciplines of the social sciences

- Critically apply knowledge of social science theory and methods of inquiry to personal decisions, current issues, or global concerns
- Explain and critique the methods of inquiry of social science disciplines
- Demonstrate an understanding of the ethical issues involved in the acquisition or application of social science knowledge
- Demonstrate, from a social science perspective, an understanding of the responsibilities of an informed and engaged citizen to the success of democratic society
### Element 6: Natural Science

Introductions to the scientific understanding of the physical and biological phenomena

- Understand the nature of scientific inquiry
- Critically apply knowledge of scientific theory and methods of inquiry to evaluate information from a variety of sources
- Distinguish between science and technology and recognize their roles in society
- Demonstrate an awareness of theoretical, practical, creative and cultural dimensions of scientific inquiry
- Discuss fundamental theories underlying modern science

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### Wright State Core Program Requirements

<table>
<thead>
<tr>
<th>Elements</th>
<th>Required Distributions</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>One first-year composition course</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One second-year writing course</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>One course</td>
<td>3</td>
</tr>
<tr>
<td>Global Traditions</td>
<td>One interdisciplinary Global Studies course</td>
<td>6</td>
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<tr>
<td></td>
<td>One history course</td>
<td></td>
</tr>
<tr>
<td>Arts/Humanities</td>
<td>One course</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>Two courses from different disciplines</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science</td>
<td>Two lecture/lab science courses</td>
<td>8</td>
</tr>
<tr>
<td>Additional Core Courses</td>
<td>Two additional approved Wright State Core courses from any of the Elements (some programs may designate these courses)</td>
<td>6</td>
</tr>
<tr>
<td>Multicultural Competence</td>
<td>As part of the Core, in addition to the interdisciplinary Global Studies Course (Element 3), students must take a second designated multicultural competence class in any Element or as an additional course. Courses with the Service Learning attribute (SRV or SRVI) and study abroad courses meet a MC requirement.</td>
<td>n/a</td>
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<tr>
<td>Writing Across the Curriculum</td>
<td>As part of the Core, students must take two Integrated Writing (IW) Core courses</td>
<td>n/a</td>
</tr>
<tr>
<td>Total</td>
<td>12 courses</td>
<td>38</td>
</tr>
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Element 1 – Communication—First-Year Writing Course
- ENG 1100 Academic Writing and Reading
- ENG 1110 Academic Writing and Reading—Repeat
- ENG 1130 Academic Writing and Reading
- ENG 1140 Intensive Academic Writing and Reading

Element 1 – Communication—Second-Year Writing Course
- EGR 3350 Technical Communications for Engineers and Scientists
- ENG 2100 Research Writing and Argumentation
- ENG 2110 Research Writing and Argumentation: Education
- ENG 2120 Research Writing and Argumentation: Health Sciences
- ENG 2130 Research Writing and Argumentation: Sciences
- ENG 2140 Research, Technical Writing, and Presentation for Scientists and Engineers

Element 1 – Communication—Additional Course Available
- COM 1010 Essentials of Public Address

Element 2 - Mathematics
- EC 1050 Elementary Mathematical Economic and Business Models and Methods
- EGR 1010 Introductory Mathematics for Engineering Applications (IW)
- MTH 1440 Mathematics and the Modern World with Algebra Review
- MTH 1450 Mathematics and the Modern World
- MTH 2240 Applied Calculus
- MTH 2280 Business Calculus
- MTH 2300 Calculus I
- MTH 2310 Calculus II
- MTH 2430 Mathematics Concepts for Teachers II
- STT 1600 Statistical Concepts
- STT 2640 Elementary Statistics

Element 3 – Global Traditions—Interdisciplinary Global Studies
- AFS 2000 What is the African and African American Experience? (IW, MC)
- ART 2430 Nonwestern Art (IW, MC)
- ATH 2150 Comparative Nonwestern Cultures (IW, MC)
- ATH 2500 Introduction to Cultural Anthropology for Health Care Professionals (MC)
- CS 1000 Technology and Society (IW, MC)
- EC 2100 The Economics of State and Society
- EC 2500 Economic Systems of the Global South (IW, MC)
- EC 2900 Global Economic, Business and Social Issues (IW, MC)
- ED 2100 Education in a Democracy (MC)
- ED 2600 Introduction to Education (IW, MC)
- ED 2800 Cultural Humility for Working with Youth (IW, MC)
- EDS 2900 Individuals with Exceptionalities (IW, MC)
- EES 2600 Environmental Science & Society: A Cross Cultural Perspective (MC)
- ENG 2310 Comparative Literature: Non-Western Literatures (IW, MC)
- ENG 2320 American Academic Culture (MC) (RESTRICTED TO INTERNATIONAL STUDENTS)
- FAS 1050 Amish Society (MC)
- GEO 2210 Non-Western Human Environments (IW, MC)
- ML 2010 French Culture (MC)
- ML 2020 Chinese Culture Through Film (MC)
- ML 2030 Spanish Culture (MC)
- ML 2040 The Hispanic World: Cultures in Motion (MC)
- ML 2050 Russian Culture (MC)
- MUS 2420 Comparative Nonwestern Cultures: Music (IW, MC)
Element 3 – Global Traditions—Interdisciplinary Global Studies cont’d
- PLS 2510 Comparative Nonwestern Social Systems (IW, MC)
- PPH 2000 Global Health (IW, MC)
- PPH 2100 Climate Change and Health (IW, MC)
- REL 1010 Introduction to World Religions (MC)
- REL 2320 Nonwestern Religions (IW, MC)
- RST 2610 Regional Studies: Japan (IW, MC)
- RST 2620 Regional Studies: China (IW, MC)
- RST 2710 Regional Studies: Africa (IW, MC)
- RST 2810 Regional Studies: Latin America (IW, MC)
- RST 2910 Regional Studies: Middle East (IW, MC)
- RST 2920 Regional Studies: India (IW, MC)
- URS 2000 Cities of the World (IW, MC)

Element 3 – Global Traditions—History
- CLS 1500 Introduction to Greek and Roman Culture
- HST 1100 Western Civilizations to 1500
- HST 1200 The West and the World since 1500

Element 4 – Arts/Humanities
- ART 2140 Themes in Visual Culture
- CLS 1600 Introduction to Classical Mythology
- CLS 2040 Great Books – Classics (IW)
- DAN 2330 Inside Dance: Dance as Art and Entertainment
- ENG 2040 Great Books: Literature (IW)
- ENG 2050 African-American Literature (IW, MC)
- ENG 2310 Comparative Literature: Non-Western Literatures (IW, MC)
- FMS 1310 Introduction to Film Studies
- ML 2010 French Culture (MC)
- ML 2020 Chinese Culture Through Film (MC)
- ML 2040 The Hispanic World: Cultures in Motion (MC)
- ML 2050 Russian Culture (MC)
- MP 1310 The Moving Image
- MUS 1210 Music Listening
- MUS 2140 Music in Western Culture
- MUS 2420 Comparative Nonwestern Cultures: Music (IW, MC)
- MUS 2900 African-American Music: America and Beyond (IW, MC)
- PHL 2040 Great Books: Philosophy (IW)
- PHL 2050 Philosophy: The Big Questions (IW)
- PHL 2100 Philosophy of State and Society
- PHL 2500 Professional Ethics
- REL 1010 Introduction to World Religions (MC)
- REL 2040 Bible, Qur’an, and Western Culture (IW, MC)
- TH 2140 Theatre in Western Culture
- UH 2010 Studies in Humanities (IW)

Element 5 – Social Science
- ATH 2200 Introduction to Archaeology
- EC 2000 Economic Life (IW)
- EC 2040 Principles of Microeconomics
- EC 2050 Principles of Macroeconomics
- EC 2100 The Economics of State and Society
- EC 2500 Economic Systems of the Global South (IW, MC)
- EC 2900 Global Economic, Business and Social Issues (IW, MC)
- ED 2600 Introduction to Education (IW, MC)
- ED 2700 Introduction to Educational Psychology (IW)
- EDS 2900 Individuals with Exceptionalities (IW, MC)
Element 5 – Social Science cont’d

- FIN 2050 Personal Financial Decision Making
- MKT 1500 Personal Marketing for Career Success
- PLS 2000 Power and Politics (IW, MC)
- PLS 2120 American National Government (MC)
- PSY 1010 Introduction to Psychology (IW)
- SOC 2000 Introduction to Sociology (IW, MC)
- SW 2720 Multicultural Competence in a Diverse World (IW, MC)
- UH 2020 Studies in Social Sciences (IW)
- WGS 1000 Introduction to Sexual Health & Diversity
- WGS 2000 Introduction to Women & Gender Studies (IW, MC)

Element 6 - Natural Science  All courses below meet the Core Lab Science Requirement

- ASM 1717 – Humans and Machines at Extremes (IW)
- ATH 2100 Introduction to Biological Anthropology
- BIO 1050 Biology of Food
- BIO 1060 Global Ecology and Diversity
- BIO 1070 Health and Disease
- BIO 1120 Cells and Genes
- BIO 1150 Organisms and Ecosystems
- BIO 3450 Concepts in Biology I for Early and Middle Childhood Education
- CHM 1020 Elementary Organic Chemistry with Applications
- CHM 1050 Chemistry of Our World: Living Things
- CHM 1060 Chemistry of Our World: Materials
- CHM 1210/1210L General Chemistry I & Lab
- CHM 1220/1220L General Chemistry II & Lab
- CHM 2450 Concepts in Chemistry I for Early and Middle Childhood Education
- CS 1150 Introduction to Computer Science
- CS 1300 Data Science for Everyone
- EES 1030 The Paleobiology of Dinosaurs
- EES 1050 Dynamic Earth
- EES 1070 Sustainable Earth
- EES 2150 Global Change
- EES 2510 Earth Systems
- EES 2550 Earth History
- EES 3450 Concepts in Earth Science for Educators
- KNH 2500 Basic Anatomy and Physiology for KNH Majors
- PHY 1050/1050L Physics of How Things Work & Lab
- PHY 1060/1060L Astronomy & Lab
- PHY 2400/2400L General Physics I & Lab
- PHY 2410/2410L General Physics II & Lab
- PHY 2450 Concepts in Physics for Early Childhood Education
- PHY 2460 Concepts in Physics for Middle Childhood Education
- SM 1010 Scientific Literacy for the 21st Century (IW)