

Name: _____

Catalog Year: _____

Student #: _____

Date: _____

General Course Work (36 hours)

US	10097	DKS: First Year Experience	1
Composition			
ENG	11011	College Writing I	3
ENG	21011	College Writing II	3
Mathematics & Critical Reasoning			
MATH	11010	Algebra for Calculus.....	3
MATH	11022	Trigonometry.....	3
MATH	12002	Analytic Geom & Calc I.....	5
MATH	10041	Elementary Prob & Stats	
OR	MATH	30011 Basic Prob & Stats.....	3

Note: MATH 12003, Calc II, is required for the physics emphasis.

Social Sciences

PSYC	11762	General Psychology	3
d	SOC	12050 Intro. to Sociology.....	3

Humanities and Fine Arts

g	PHIL	11001 Intro to Philosophy.....	3
<i>Choose ONE from Humanities & Fine Arts (See Reverse)</i>			
_____			3
<i>Choose ONE from Fine Arts (See Reverse)</i>			
_____			3

Basic Sciences & Additional

Included in major course work

Diversity requirements met? Global Domestic

Major Course Work (69-74 Hours)—Refer to Page 3 for content area course work (16-21 Hours)

A "C" or better and a 2.6 is required in major course work

Core Science Course Work (53 hours)

BSCI	10110	Biological Diversity	4	GEOG	41073	Conserv of Nat Resources (Spring)	3
BSCI	10120	Biological Foundations	4	GEOL	11040	Earth Dynamics.....	3
BSCI	30140	Cell Biology.....	4	GEOL	11041	Earth Dynamics Lab	1
BSCI	30156	Elements of Genetics	3	GEOL	11042	Earth History.....	3
CHEM	10060	General Chemistry I (check prereqs) ...	4	GEOL	11043	Earth History Lab.....	1
CHEM	10062	Chemistry Lab I	1	PHY*	13001	General College Physics I (MATH 11022)...	4
CHEM	10061	General Chemistry II.....	4	PHY	13021	General College Physics I Lab.....	1
CHEM	10063	Chemistry Lab II.....	1	PHY*	13002	General College Physics II.....	4
CHEM	20481	Basic Organic Chemistry (Fall)	4	PHY	13022	General College Physics II Lab.....	1
GEOG	31062	Meteorology.....	3	*For Physics emphasis take PHY 23101/2, NOT 13001/2			

Professional Course Work (39 hours) "C" or better is required

Prerequisite Course work for Admission to Advanced Study:

CULT	29535	Education in a Democratic Society	3
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Other Required Education Coursework*:

ITEC	19525	Educational Technology.....	3
EPSY	29525	Educational Psychology	3
SPED	23000	Intro. to Exceptionalities	3

All Advanced Study requirements must be completed prior to admission to Advanced Study (please refer to Checklist for requirements).

***At least one of the Other Required Education courses (at left) must be taken prior to Admission to Advanced Study.**

Advanced Study Course Work:

CI	47330	Reading & Writing in ADED	3
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Please See Your Faculty Advisor For The Sequencing Of Courses

4. Student Teaching Block (SPRING SEMESTER ONLY)

e	ADED	42357 Student Teaching.....	9
	ADED	49525 Inq into Profession Practice	3

Prerequisites to Fall Block

1. w	ADED	32142 Princ of Teaching Adol (Fall Only)	3
2.	ADED	32277 Teach Sci in Sec Schools (Spring Only)...	3

3. Fall Block (Semester Prior to Student Teaching)

	ADED	42277 Topics in Sec School Science.....	3
e	ADED	42292 Field Work Practicum	3

I have reviewed the requirement sheet and professional requirements with an advisor and assume responsibility for remaining informed and completing my program.

Student Signature _____

Professional Advisor's Signature _____

All Kent Core, content, and professional (education) coursework must be completed prior to Student Teaching.

Total Hours Completed _____

Hours Needed:
General Coursework _____

Major Coursework (Core) _____

Major Coursework (Content Area) _____

Professional Coursework _____

Total for Degree _____

Important notes:

- Students must complete 39 upper division hours.
- A minimum cumulative 2.75 GPA and a 2.6 major GPA are required for admission to advanced study, student teaching and graduation.
- Qualifying scores on OAE: Assessment of Professional Knowledge - Adolescence to Young Adult (7-12) Pedagogy Assessment and Integrated Science (specialty area) Content Assessment are required for Ohio Licensure.

2013–2014 KENT STATE REQUIREMENTS

UNIVERSITY REQUIREMENT (1 credit hour)

US 10097 Destination Kent State: First Year Experience (1)
Not required of students age 21+ at time of admission or transfer students with 25 credits (excluding PSEOP or dual credit)

WRITING-INTENSIVE COURSE REQUIREMENT

Students must complete one writing-intensive course at Kent State with a minimum C grade. See the University Catalog (www.kent.edu/catalog) for course listing.

KENT CORE (36 credit hours)

See the University Catalog (www.kent.edu/catalog) for information on transfer credit, proficiency testing and other options to meet the Kent Core. None of the courses on the Kent Core list may be taken pass/fail. **LEGEND:** **TM** – Ohio Transfer Module; **G** – Global Diversity; **D** – Domestic Diversity; **LAB** – Laboratory Course

COMPOSITION (6 credit hours)

TM ENG 11011 College Writing I (3) **OR**
 TM ENG 11002 College Writing I–Stretch (3)
 TM ENG 21011 College Writing II (3)
 HONR 10197 Freshman Honors Colloquium I (1-4)
 HONR 10297 Freshman Honors Colloquium II (1-4)

MATHEMATICS AND CRITICAL REASONING (3 credit hours)

CS 10051 Introduction to Computer Science (4)
 MATH 11008 Explorations in Modern Mathematics (3)
 MATH 11009 Modeling Algebra (4)
 TM MATH 11010 Algebra for Calculus (3)
 TM MATH 11012 Intuitive Calculus (3)
 TM MATH 11022 Trigonometry (3)
 MATH 12001 Algebra and Trigonometry (5)
 TM MATH 12002 Analytic Geometry and Calculus I (5)
 TM MATH 12011 Calculus with Precalculus I (3)
 TM MATH 12012 Calculus with Precalculus II (3)
 MATH 14001 Basic Mathematical Concepts I (4)
 MATH 14002 Basic Mathematical Concepts II (4)
 PHIL 21002 Introduction to Formal Logic (3)

HUMANITIES AND FINE ARTS (9 credit hours)

Minimum one course must be selected from the Humanities in Arts and Sciences area, and minimum one course must be selected from Fine Arts.

Humanities in Arts and Sciences

G TM CLAS 21404 The Greek Achievement (3)
 G TM CLAS 21405 The Roman Achievement (3)
 TM ENG 21054 Introduction to Shakespeare (3)
 TM ENG 22071 Great Books to 1700 (3)
 TM ENG 22072 Great Books Since 1700 (3)
 TM ENG 22073 Major Modern Writers: British and United States (3)
 G TM HIST 11050 World History: Ancient and Medieval (3)
 G TM HIST 11051 World History: Modern (3)
 D TM HIST 12070 History of the United States: The Formative Period (3)
 D TM HIST 12071 History of the United States: The Modern Period (3)
 G TM PAS 23001 Black Experience I: Beginnings to 1865 (3)
 D TM PAS 23002 Black Experience II: 1865 to Present (3)
 G TM PHIL 11001 Introduction to Philosophy (3)
 G TM PHIL 21001 Introduction to Ethics (3)
 G TM PHIL 21020 Comparative Religious Thought I (3)
 G TM PHIL 21021 Comparative Religious Thought II (3)

Humanities in Communication and Information

D TM COMM 26000 Criticism of Public Discourse (3)

Fine Arts

TM ARCH 10001 Understanding Architecture (3)
 TM ARCH 10011 Survey of Architectural History I (3)
 TM ARCH 10012 Survey of Architectural History II (3)
 TM ARTH 12001 Art as a World Phenomenon (3)
 TM ARTH 22006 Art History I: Ancient and Medieval Art (3)
 TM ARTH 22007 Art History II: Renaissance to Modern Art (3)
 G TM ARTH 22020 Art of Africa, Oceania and the Americas (3)
 G TM DAN 27076 Dance as an Art Form (3)
 TM MUS 22111 The Understanding of Music (3)
 G TM MUS 22121 Music as a World Phenomenon (3)
 G TM THEA 11000 The Art of the Theatre (3)

ADDITIONAL (6 credit hours)

Select courses from the Kent Core.

Any of the following courses may also be selected:

TM COMM 15000 Introduction to Human Communication (3)
 HONR 13597 Colloquium: The Western Identity (3)
 PHIL 11009 Principles of Thinking (3)

SOCIAL SCIENCES (6 credit hours)

Courses must be selected from two curricular areas.

G TM ANTH 18210 Introduction to Cultural Anthropology (3)
 G TM ANTH 18420 Introduction to Archaeology (3)
 D TM CACM 11001 Introduction to Conflict Management (3)
 TM ECON 22060 Principles of Microeconomics (3)
 TM ECON 22061 Principles of Macroeconomics (3)
 TM GEOG 10160 Introduction to Geography (3)
 G TM GEOG 17063 World Geography (3)
 D TM GEOG 17064 Geography of the United States and Canada (3)
 G TM GEOG 22061 Human Geography (3)
 D TM GERO 14029 Introduction to Gerontology (3)
 D TM JMC 20001 Media, Power and Culture (3)
 TM JUS 26704 Issues in Law and Society (3)
 G TM POL 10004 Comparative Politics (3)
 D TM POL 10100 American Politics (3)
 G TM POL 10500 World Politics (3)
 D TM PSYC 11762 General Psychology (3)
 D TM PSYC 20651 Child Psychology (3)
 D TM PSYC 21211 Psychology of Adjustment (3)
 D TM PSYC 22221 Multicultural Psychology (3)
 D TM SOC 12050 Introduction to Sociology (3)
 G TM SOC 22778 Social Problems (3)

BASIC SCIENCES (6-7 credit hours)

Minimum one laboratory course (marked "LAB") must be selected.

Beginning "major sequences" courses in athletic training (ATTR 25057, 25058), biological sciences (BSCI 10110, 10120, 11010, 11020), chemistry (CHEM 10060, 10061, 10062, 10063, 10960, 10961), exercise science (EXSC 25057, 25058) and physics (PHY 12201, 12202, 23101, 23102) may be substituted for those courses listed below.

TM ANTH 18630 Human Evolution (3)
 LAB TM ANTH 18631 Issues in Human Evolution (1) *Pre/corequisite 18630*
 TM BSCI 10001 Human Biology (3)
 TM BSCI 10002 Life on Planet Earth (3)
 LAB TM BSCI 10003 Lab Experience in Biology (1) *Pre/corequisite 10001/10002*
 LAB TM BSCI 20020 Biological Structure and Function (5)
 TM CHEM 10030 Chemistry in Our World (3)
 LAB TM CHEM 10031 Chemistry in Our World Laboratory (1) *Pre/corequisite 10030*
 TM CHEM 10050 Fundamentals of Chemistry (3)
 TM CHEM 10052 Introduction to Organic Chemistry (2)
 LAB TM CHEM 10053 Inorganic and Organic Laboratory (1) *Corequisite 10052*
 TM CHEM 10054 General and Elementary Organic Chemistry (5)
 TM GEOG 21062 Physical Geography (3)
 LAB TM GEOG 21063 Physical Geography Laboratory (1) *Pre/corequisite 21062*
 TM GEOL 11040 Earth Dynamics (3)
 LAB TM GEOL 11041 Earth Dynamics Laboratory (1) *Pre/corequisite 11040*
 TM GEOL 11042 Earth History (3)
 LAB TM GEOL 11043 Earth History Laboratory (1) *Pre/corequisite 11042*
 TM GEOL 21062 Environmental Geology (3)
 TM GEOL 21080 Oceanography (3)
 NUTR 23511 Science of Human Nutrition (3)
 TM PHY 11030 Seven Ideas that Shook the Universe (3)
 TM PHY 13001 General College Physics I (4)
 TM PHY 13002 General College Physics II (4)
 TM PHY 13011 College Physics I (2)
 TM PHY 13012 College Physics II (2)
 LAB PHY 13021 General College Physics Laboratory I (1)
 LAB PHY 13022 General College Physics Laboratory II (1)
 TM PHY 21040 Physics in Entertainment and the Arts (3)
 LAB TM PHY 21041 Physics in Entertainment and the Arts Laboratory (1) *Pre/corequisite 21040*
 TM PHY 21430 Frontiers in Astronomy (3)
 LAB TM PHY 21431 Frontiers in Astronomy Laboratory (1) *Pre/corequisite 21430*

DIVERSITY REQUIREMENT

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. At least one course must be taken from the Kent Core, marked above as global ("G") or domestic ("D"). This course may count both as diversity and Kent Core. See the University Catalog (www.kent.edu/catalog) for course listing.

EXPERIENTIAL LEARNING REQUIREMENT

Students must complete an experiential learning activity at Kent State, either as a designated course or as a non-credit, non-course experience approved by the appropriate faculty member. Courses with numbers ending in 92, 98, 99 or having "student teaching" in title also fulfill this requirement. See the University Catalog (www.kent.edu/catalog) for course listing.

CONTENT AREA COURSE WORK

Select **ONE** of the following areas of emphasis: Life Science, Earth Science, Chemistry, or Physics
A “C” or better is required in all content area course work

Life Science-LFSC (17 hours)

BSCI	30360	General Ecology	4
BSCI	40163	Organic Evolution.....	3
CHEM	30284	Intro Bio Chemistry	4
GEOL	21062	Environmental Geology	3
PHY	21430	Frontiers in Astronomy	3

Earth Science-ESCI (16 hours)

CHEM	30301	Inorganic Chemistry I.....	2
GEOL	20140	Oceanography	3
GEOL	23063	Mineralogy.....	4
GEOL	31070	Petrology OR	
GEOL	32066	Geomorphology	4
PHY	21430	Frontiers in Astronomy	3

Chemistry-CHEM (17 hours)

CHEM	30105	Analytical Chemistry I.....	3
CHEM	30284	Intro Bio Chemistry	4
CHEM	30301	Inorganic Chemistry I.....	2
CHEM	30475	Organic Chem Lab.....	1
CHEM	40567	Basic Concepts of Physical Chem	4
PHY	21430	Frontiers in Astronomy	3

Physics-PHY (20-21 hours)

CHEM	40567	Basic Concept of Phys Chem (Fall Only).....	4
MATH	12003	Analytic Geom & Calc II.....	5
PHY	21430	Frontiers in Astronomy.....	3
PHY	30020	Intermediate Physics Lab.....	2
PHY	36001	Introductory Modern Physics	3
PHY	32511	Electronics (4) OR	
PHY	36002	Applications of Modern Physics (3).....	3-4

Please be aware that some science courses are offered only one time per year. It is the student’s responsibility to consult with each of the science departments for the sequencing of courses.

Important Contacts

School of Teaching, Learning, and Curriculum Studies: 330-672-2580

Department of Biological Sciences: 330-672-3613

Department of Chemistry and Biochemistry: 330-672-2032

Department of Geography: 330-672-2045

Department of Geology: 330-672-2680

Department of Physics: 330-672-2246

Department of Mathematical Sciences: 330-672-2430