

Name: _____

Catalog Year: _____

S.S.#: _____

Date: _____

Please note: This requirement sheet will become void unless 12 hours of credit at Kent State University have been earned in a two-year period.
Preserve this sheet. It is your only assured official statement of degree requirements.

General Course Work (36 hours)

Composition	US 10097	DKS: First Year Experience	1
	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	3
	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	Bio Diversity	4	GEOG 41073	Conserv of Nat Resources (Spring)....	3
BSCI 10120	Bio 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	4	GEOL 11043	Earth History Lab	1
CHEM 10062	Chemistry Lab I	1	PHY* 13001	General College Physics I	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

<i>Prerequisites to Fall Block</i>		
1. w ADED 32142	Princ of Teaching Adol (Fall Only)	3
2. ADED 32277	Teach Sci in Sec Schools (Spring Only)...	3

<i>3. Fall Block (Semester Prior to Student Teaching)</i>		
ADED 42277	Topics in Sec School Science	3
e ADED 42292	Field Work Practicum	3

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	_____

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 _____

Each semester, meet with your Assigned Faculty Advisor: _____

THE KENT CORE
Areas and Courses

I. COMPOSITION..... 6 hours

ENG 11011 College Writing I **OR** 11002 (pre-req. 11001), (3 ea)
21011 College Writing II (3)
or (HONR 10197/20197 Fresh. Honors Colloquium I/II (4 ea)

II. MATHEMATICS AND CRITICAL REASONING 3 hours

CS 10051 (4) Introduction to Computer Science
MATH 11008 (3) Exploration in Modern Math
11009 (4) Modeling Algebra
11010 (3) Algebra for Calculus
11012 (3) Intuitive Calculus
12001 (5) Algebra & Trigonometry
12002 (5) Analytic Geometry & Calculus I
12011[2] (3ea) Calculus with Precalculus I, II
14001 (4) Basic Math Concepts I
14002 (4) Basic Math Concepts II
PHIL 21002 (3) Introduction to Formal Logic

III. HUMANITIES AND FINE ARTS..... 9 hours

At least one course must be selected from the "Humanities in Arts and Sciences" section and at least one course must be selected from the "Fine Arts" section.

HUMANITIES IN ARTS AND SCIENCES – Must Choose ONE

CLAS 21404 g (3) The Greek Achievement
21405 g (3) The Roman Achievement
ENG 21054 (3) Introduction to Shakespeare
22071[2] (3ea) Great Books I, II
22073 (3) Major Modern Writers: British and U. S.
HIST 11050[1] g (3ea) History of Civilization I, II
12070 d (3) History of U.S.: The Formative Period
12071 d (3) History of U.S.: The Modern Period
PAS 23001 g (3) Black Experience —Beginnings to 1865
23002 d (3) Black Experience —1865 to Present
PHIL 11001 g (3) Introduction to Philosophy
21001 g (3) Introduction to Ethics
21020[1] g (3ea) Comp. Religious Thought I, II

HUMANITIES IN COMMUNICATION & INFORMATION

COMM 26000 d (3) Criticism of Public Discourse

FINE ARTS– Must Choose ONE

ARCH 10001 (3) Understanding Architecture
10011[12] (3ea) Survey of Arch. History I, II
ARTH 12001 (3) Art as a World Phenomenon
22006 (3) Art History I: Ancient & Medieval Art
22007 (3) Art History II: Renaissance to Modern
22020 g (3) Art of Africa, Oceania, & the Americas
DAN 27076 g (3) Dance as an Art form
MUS 22111 (3) Understanding of Music
22121 g (3) Music as a World Phenomenon
THEA 11000 g (3) The Art of Theatre

IV. SOCIAL SCIENCES 6 hours

Courses must be selected from **two different** curricular areas.

ANTH 18210 g (3) Intro to Cultural Anthropology
18420 g (3) Intro to Archaeology
CACM 11001 d (3) Intro to Conflict Mgmt
ECON 22060 (3) Principles of Microeconomics
22061 (3) Principles of Macroeconomics
GEOG 10160 (3) Intro. To Geography
17063 g (3) World Geography
17064 d (3) Geography of U.S. and Canada
22061 (3) Human Geography
GERO 14029 d (3) Introduction to Gerontology
JMC 20001 d (3) Media, Power and Culture
JUS 26704 d (3) Issues in Law & Society
POL 10004 g (3) Comparative Politics
10100 d (3) American Politics
10301 d (3) Diversity in American Public Policy
10500 g (3) World Politics
PSYC 11762 d (3) General Psychology
20651 d (3) Child Psychology
21211 d (3) Psychology of Adjustment
22221 d (3) Multicultural Psychology
SOC 12050 d (3) Intro to Sociology
22778 g (3) Social Problems

V. BASIC SCIENCES 6-7 hours

At least one laboratory course must be selected. Beginning "major sequences" courses in biological sciences (BSCI 10110, 10120, 11010, 11020), chemistry (CHEM 10060, 10061, 10062, 10063, 10960, 10961) and physics (PHY 23101, 23102) may be substituted for those courses listed below.

ONE COURSE MUST INCLUDE OR BE TAKEN WITH A ONE-CREDIT HOUR LAB.

ANTH 18630[1] (3)&(1) Human Evolution & Lab (pre or coreq. 18630)
BSCI 10001 (3) Human Biology: Cells and Systems
10002 (3) Life on Planet Earth
10003 (1) Lab Experience in Biology
20020 (5) Biological Structure and Function
CHEM 10030[1] (3)&(1) Chemistry in Our World & Lab (p/coreq. 10030)
10050 (3) Fundamentals of Chemistry
10052[3] (2)&(1) Intro. To Organic Chemistry & Lab(p/c 10052)
10054 (5) Gen. & Elem. Organic Chem
GEOG 21062[3] (3)&(1) Physical Geography & Lab(pre or coreq. 21062)
GEOL 11040[1] (3)&(1) Earth Dynamics & Lab (pre or coreq. 11040)
11042[3] (3)&(1) Earth History & Lab (pre or coreq. 11042)
21062 (3) Environmental Geology
21080 (3) Oceanography
NUTR 23511 (3) Science of Human Nutrition
PHY 11030 (3) Seven Ideas that Shook the Universe
11660 (3) Physical Science
13001[2] (4 ea) General College Physics I, II
13011[21] (2)&(1) College Physics I & Lab
13012[22] (2)&(1) College Physics II & Lab
21040[1] (3)&(1) Physics in Entertainment/Arts & Lab p/c 21040
21430[1] (3)&(1) Frontiers in Astronomy & Lab(pre/coreq 21430)

VI. ADDITIONAL 6 hours

Select from courses listed below or from Categories II-V listed above.

Courses must be selected from **two different** categories.

COMM 15000 (3) Intro. to Human Communication
PHIL 11009 (3) Principles of Thinking

TOTAL 36-37 hours

Important notes:

1. A minimum cumulative 2.75 GPA is required for admission to advanced study, student teaching and graduation.
2. A 2.6 major GPA is required for admission to advanced study, student teaching and graduation.
3. Students must complete 39 upper division hours.
4. Two diversity courses are required for graduation (Fall 2001 and beyond) - at least one course addressing domestic (d) issues and one course addressing global (g) issues.
5. One writing intensive (w) course is required for graduation
6. Qualifying scores on Praxis II: Principles of Learning and Teaching (7-12) and the Specialty Area tests Chem, Physics & General Science PLUS Biology Content Knowledge OR Specialty Area tests Biology & General Science PLUS Physics OR Chemistry OR Earth Science are required for Ohio Licensure.
7. A minimum of 121 valid hours is required for graduation from Kent State University.

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 following science departments for the sequencing of courses.

BSCI (Biological Sciences)..... 330-672-3613 or web page:
www.kent.edu/biology/BSCICoursesfallspringsummer.html
 CHEM (Chemistry). 330-672-2032
 GEOG (Geography) 330-672-2045
 GEOL (Geology) 330-672-2680
 PHY (Physics)..... 330-672-2246