

**KENNESAW STATE UNIVERSITY
PROGRAM PROPOSAL FOR THE BACHELOR OF SCIENCE DEGREE
IN THE INTERDISCIPLINARY STUDIES PROGRAM**

ENVIRONMENTAL STUDIES - “Environmental Policy” Emphasis

This form must be typed and submitted to one of the Co-Coordinators of the Interdisciplinary Studies Program, Dr. Ed Chan or Dr. Liza Davis, in Library 423. Please note that all sections must be completed with the assistance of a pre-approved IDS advisor.

Today’s date: _____

KSU Catalog Year: _____

Last Name	First Name	MI	KSU I.D. #

Street Address	Apt. #	City	State	Zip Code

Area Code	Telephone #	E-Mail Address	Graduation Date

Disciplinary areas to be combined for an IDS Degree in Environmental Policy:

Geography	Political Science	Science
Discipline I	Discipline II	Discipline III (if applicable)

Rationale for proposed program

(Please include in this section your reasons for choosing to pursue the Environmental Science rather than Environmental Policy track available to students seeking a B.S. in Environmental Studies, taking as much space as you need to provide a thorough and substantive rationale.)

I. General Education Courses¹ Completed or Projected for Completion (42-46 hours):

Area A – Essential Skills (9-10 hours)

ENGL 1101 _____

ENGL 1102 _____

MATH 1101 _____ or MATH 1111 _____ or MATH 1112 _____ or MATH 1113 _____ or MATH 1190 (4 hours, for advanced students) _____

¹ Each course is 3 credit hours unless otherwise noted.

Area B – Social Issues (Institutional Options) (6 hours)

GEOG 1101 __ (required)

COM 1109 __ or PHIL 2200 __ or FL 1002 -- __ (Language: _____) (strongly recommended)

Area C – Humanities and Fine Arts (6 hours)

ENGL 2110 __

ART 1107 __ or MUSI 1107 __ or TPS 1107 __

Area D – Science, Mathematics, and Technology (11-12 hours)

CHEM 1151/1151L² (4 hours) __ and CHEM 1152/1152L (4 hours) __ OR CHEM 1211/1211L³ (4 hours) __ and CHEM 1212/1212L __ (4 hours)

MATH 1106 __ or **Math 1107** __ or MATH 1190 (4 hours) __ or MATH 2202 (4 hours, for students who took MATH 1190 to meet their Area I math requirement)

Area E – Social Sciences (12 hours)

POLS 1101 __

ECON 2100 __ (required)

HIST 1110 __ and HIST 2112 __

II. Fitness for Living Requirement (3 hours): HPS 1000 __

III. Area F – LOWER DIVISION Courses related to the major discipline (20 hours):

Course Number	Course Title	Hrs.	Pre-reqs	Rationale
BIOL 2107	Biological Principles I	4	CHEM 1151L or CHEM 1211/L	Introduction to cell and molecular biology... foundation for upper-level biology courses
BIOL 2108	Biological Principles II	4	BIOL 2107	Introduction to ecology & evolution... foundation for upper-level biology courses
ECON 2200	Macroeconomics	3	ECON 2100 + 6 credit hrs. of math numbered 1101 or higher	Environmental policy decisions are often made in consideration of economic impact, so students must have a basic understanding of economic principles.

² CHEM 1151/1151L will be accepted as a prerequisite for BIOL 2107.

³ CHEM 1211/L has a Math 1106 or Math 1190 co-requisite.

SOCI 2201 (Note: If this course was taken to satisfy the “Social Issues” requirement in the General Ed. curriculum, GEOG 1101 should be substituted here.)	Principles of Sociology	3	READ 0099 if required	Understanding the social nature of human behavior
GEOG 1112	Climate and Vegetation (w/ lab)	4	ENGL & READ 0099	Articulate the important concepts and components of earth-atmosphere relationships, weather and climate patterns, and vegetation patterns and dynamics.
GEOG 1113	Landforms and Landscapes	4		Knowing and understanding the principle concepts and fundamental processes that shape earth’s weather and climate systems and to articulate climate system processes and patterns at varying geographic scales

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IV. UPPER DIVISION Courses (53 hours):

You must take a minimum of **12 hours** of upper-division course work **in each of your chosen disciplines**. Each discipline must include **courses focusing on a single broad theme** and be consistent with your career and educational goals. At least **15 hours** must clearly satisfy **IDS areas of Writing/Communication; Theory/Culture; and Application/Integration** (to be listed separately in the chart below).

Thematic Course Work in Discipline I: Geography

Course Number	Course Title	Hrs.	Pre-reqs.	Learning Outcomes
GEOG 3305	Introduction to Cartographic Processes	3	GEOG 1101	Understanding the processes and technology of cartography from theoretical and applied perspectives
GEOG 3315	Introduction to Geographic Information Systems	3	GEOG 3305 or perm. of instructor	Understanding the basic design of state-of-the-art GIS and its analytical capabilities
GEOG 3340	Cultural Geography	3	GEOG 1101	Learning to analyze human cultures through the lenses of region, diffusion, ecology, integration, and landscape
GEOG 3700	Introduction to Environmental Studies	3	Any gen. ed. science lab sequence	Understanding the human dimensions of environmental issues in the United States

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Thematic Course Work in Discipline II: Policy-Making in the International Environmental Arena

Course Number	Course Title	Hrs.	Pre-reqs.	Learning Outcomes
POLS 3313	Public Policy Analysis	3	POLS 1101	Understanding data and methodological approaches to public policy analysis and political and social inputs into the policy process
POLS 4456	International Environmental Policy	3	POLS 1101	Understanding the basic elements of environmental policy making in an international arena
ECON 4530	Public and Urban Economics	3	60 credit hrs. incl. ECON 2200	Applying economic models to analyze the role of government in determining the optimal provision of public goods, regulation of externalities, etc.
POLS 4436 or SOCI 3344	or Politics of Developing Areas Biotechnology and Social Change	3	POLS 1101 Soci 2201	Understanding the role of political processes in meeting the problems of emerging nations Understanding the role of biotechnology on ethical, legal issues and their impact on policy.

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Thematic Course Work in Discipline III: Science [Complementary CSM Courses]

Course Number	Course Title	Hrs.	Pre-reqs.	Learning Outcomes
BIOL 3370	Ecology	4	BIOL 2108	A deeper understanding of the relationships among living organisms and their environments; field activities included.
BIOL 3371 or BIOL 3372 or BIOL 3373 or BIOL 4490 or BIOL 4620	Limnology or Aquatic Biodiversity or Aquatic Methods or Special Topics (w/ approval) or Advanced Topics in Ecology & Evolution (w approval)	4	"C" or better in BIOL 2107 & 2108	A deeper understanding of the relationships among living organisms and their environments and the methods used to study them; field activities included
STAT 3125	Biostatistics (currently MATH 2107)	3	MATH 1113 or 1112 + BIOL 2107 OR 2221	Students will use statistical tools to analyze and interpret data.
SCI 4700L	Applied Environmental Studies	3	BIOL 3370 or SCI 3360	Applying environmental knowledge in an interdisciplinary, field-based capstone course

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Course Work Satisfying IDS Areas of Writing/Communication; Theory/Culture; and Application/Integration. Choose FIVE of the following courses. (15 hours distinct from hours in disciplinary thematic courses):

Course Number	Course Title	Hrs.	Pre-reqs.	Learning Outcomes
COM 4460	Crisis Communication	3	Permission of instructor	Communication
SOCI 3333	Technology and Society	3	SOCI 2105 or 2201 or ANTH 2105 or 2201	Theory/Culture
GEOG 3800	Climatology	3	GEOG 1112 and any GE lab sequence	Theory/Application: Knowing and understanding the principle concepts and fundamental processes that shape earth's weather and climate systems and articulating climate system processes and patterns at varying geographic scales
GEOG 3900	Biogeography	3	GEOG 1112	Application/Integration of disciplines: Understanding the historic and current principles and concepts of biogeography and biogeographic thought and the internal and external factors governing and limiting a species' distribution
FREN/SPAN/GRMN 3200	Critical Reading and Applied Writing	3	FREN or SPAN or GRMN 2002	Writing/Communication/Application/Culture
HIST 3305	The World Since 1945	3	HIST 1110	Culture

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V. Related Studies (1-3 hours):

To be chosen in consultation with advisor.

Total units of upper-division course work: 53

Total degree units: 123

APPROVALS:

I understand and approve this proposed plan of study for an interdisciplinary degree at Kennesaw State University:

Department of _____ (from CHSS) _____
Date

Department of _____ (from CSM) _____
Date

Dr. Rebecca Casey, Chair
Department of University Studies _____
Date

Dr. Edward Chan or Dr. Liza Davis, Co-Coordinator
of the IDS Program _____
Date

I agree to complete the plan of study proposed above (with appropriate modifications approved by my IDS advisors, where necessary) or notify Dr. Chan or Dr. Davis in writing of my decision to withdraw from the major:

Ms./Mr. _____, IDS Program Applicant _____
Date