UNIVERSITY CURRICULUM FOR LIBERAL EDUCATION:

I. Writing and Discourse
   ENGL 1105-1106 Freshman English
   Writing Intensive Courses
   (See selection from list of courses within major –
    Two Writing Intensive (WI) courses required for graduation)
   3___ + 3___+

II. Ideas, Cultural Traditions, and Values
   (This core curriculum requirement will be met by
    required courses in major)

III. Society and Human Behavior
     (This core curriculum requirement will be met by
      required courses in major)

IV. Scientific Reasoning and Discovery
    (This core curriculum requirement will be met by
     required courses in major)

**Area 4 Waiver** – During the summer of 2003, the Provost approved utilization
of a waiver of the two credit hours of related laboratory courses for Core Area Four
for students entering Fall 2003 and beyond. This waiver is in effect for this major.
This waiver does not reduce the minimum number of hours required for this degree.

V. Quantitative and Symbolic Reasoning
   (Select any two approved University Core Curriculum Courses)
   3___ + 3___+

VI. Creativity and Aesthetic Experience – 3 Credits
    (Select from approved University Core Curriculum Courses)
The 3 required credits can be met with any combination of
1, 2, or 3 credit approved courses.

   1-3___+
   1-3___+
   1-3___+

VII. Critical Issues in a Global Context
    (This core curriculum requirement will be met by
     required courses in major *)

**TOTAL UNIVERSITY CORE REQUIREMENTS (Not otherwise met**
by courses within major) 15 Credits
HUMANITIES, SCIENCE, AND ENVIRONMENT MAJOR

REQUIREMENTS

Department Requirements – Courses in Science and Technology in Society
ST 1504 Introduction to Humanities, Science, and Technology† (Area 2) 3___+
ST 2154 Humanities, Technology, and the Life Sciences† (Area 2) 3___+
ST 2984 Humanities, Science, and Environment† 3___+
ST 3105 Science and Technology in Modern Society† (Area 2) 3___+

Capstone Course for Majors
ST 4304 Contemporary Issues in Humanities, Science, and Technology† 3___+

Total STS Credits 15 Credits

Humanities (outside STS) – Required Courses: 5 out of the following 16
AHRM 2244 Food & Clothing: Cultural Trad., Conflicts, & Possibilities** (Area 2) 3___
ENGL 3534 Literature and Ecology** (Area 2, WI) 3___
FOR 2554 Nature and American Values (Area 2) 3___
HIST 3144 American Environmental History 3___
HIST 3234 The North American West 3___
HIST 3734 History of Modern Biology 3___
HUM/AINS 1104 Introduction to American Indian Studies 3___
HUM/AINS 4004 Topics in American Indian Studies 3___
HUM 3464 Appalachian Communities 3___
REL 2464 Religion and Science 3___
PHIL 1304 Morality and Justice (Area 2) or PHIL 2304 Global Ethics (Area 2) 3___
PHIL 3314 Ethical Theory** 3___
PHIL 4304 Topics in Social and Political Philosophy** 3___
PHIL 4604 Philosophy of Biology** (WI) 3___
UAP 4264 Environmental Ethics and Policy** 3___

Total Humanities credits (outside STS) 15 Credits

Social Sciences – Required Courses: 4 out of the following 9
GEOG 1004 Intro. Human Geography† (Area 3) 3___
OR GEOG 1014 World Regions† 3___
PSCI 1014 Intro. U.S. Govt & Politics† (Area 3) 3___
OR PSCI 1004 Nations and Nationalities 3___
OR PSCI 1024 Intro. Comp. Govt & Politics† (Area 3) 3___
PSCI 2054 Intro. to World Politics† (Areas 3 and 7) 3___
PSCI 2064 Global Economy and World Politics† (Areas 3 and 7) 3___
GEOG 2134 Geography of the Global Economy 3___
PSCI/UAP 3344 Global Environmental Issues**† (Area 7) 3___

Total Social Science Foundation 12 Credits

Social Science Selections – Minimum of 12 hours from this list
At least 6 hours at 3000 level or above; minimum one 4000 level course
AHRM 4604 Housing, Energy, and the Environment (Area 7) 3___
FIW 4464 Human Dimensions of Fisheries and Wildlife** 3___
FOR 2784 World Forests and Forest Products** (Area 7) 3___
FOR 4434 Forest Resource Policy** 3___
GEOG 3104 Environmental Problems, Population, and Development 3___
GEOG 4074 Medical Geography** 3___
GEOG 4204 Geography of Resources
GEOG 4084 Introduction to GIS
HTM 2454 Travel and Tourism Management
HTM 3454 Tourism Analysis**
HTM 3484 Socio-Cultural Impacts of Tourism
MGT 3304 Management Theory and Leadership Practice
MGT 4334 Ethical Leadership & Corporate Social Responsibility**
PSCI 3214 Political Participation**
PSCI/UAP 3714 The U.S. Policy Process** (WI)
PSCI/UAP 3744 Public Policy Analysis**
PSYC 2084 Social Psychology**
SOC 2004 Social Organization and Social Problems
SOC 2504 Comparative Social Change
SOC 3504 Population Trends and Issues
UAP 3354 Introduction to Environmental Policy and Planning
UAP 4184 Community Involvement
UAP 4214 Women, Environment, and Development**
UAP 4304 Non Profit Organization Leadership and Governance

**Total Social Science Selections**

12 Credits

Natural Sciences – Required Courses

BIOL 1005-1006 General Biology† (Area 4)

OR BIOL 1105-1106 Principles of Biology†- available to biology minors (Area 4) 3

FIW 2114 Principles of Fisheries and Wildlife Management**†(Area 7) 3

GEOS 1014 Earth and Life Through Time†

OR GEOS 1024 Resources and the Environment† 3

**Total Natural Science Foundation**

12 Credits

Natural Science Selections – Minimum of 12 hours from this list

At least 6 hours at 3000 level or above; minimum one 4000 level course

Note: Biology 3000 and 4000 level courses have restricted capacity for non-majors

BIOL 2204 Plants and Civilization** (Area 7) 3

BIOL 2304 Plant Biology ** 3

BIOL 2504 General Zoology** 3

BIOL 2804 Ecology** 3

BIOL 3204 Plant Taxonomy** 3

BIOL 4004 Freshwater Ecology** 4

BIOL 4014 Environmental Toxicology** 2

BIOL 4314 Plant Ecology** 4

BIOL 4404 Ornithology** 4

BIOL 4434 Mammalogy** 4

BIOL 4474 Ethology** 4

CSES 3134 Soils in the Landscape** 3

CSES 3604 Fundamentals of Environmental Science** 3

FIW 4464 Human Dimensions of Fisheries and Wildlife** 3

FIW 4614 Fish Ecology** 3

FOR 2314/2324 Intro. Forest Biology and Dendrology with lab 3

FOR 3364 Survey of Forest Ecology and Management** 3

FOR 3524 Environmental Interpretation** 3

GEOG 4044 Biogeography 3
GEOS 1004 Physical Geology 3
GEOS 3014 Environmental Geology 3
NR 1114 Intro to Renewable Natural Resources 2
PHYS 2074 Highlights of Contemporary Physics 3

**Total Natural Science Selections** 12 Credits

**Written, Oral, and Visual Communication – Required Courses**
COMM 2004 Public Speaking 3+

**One of the following writing courses:**
ENGL 3764 Technical Writing 3
ENGL 3774 Business Writing 3
ENGL 4824 Science Writing** 3

**Total Written, Oral, and Visual Communication** 6 Credits

**TOTAL FREE ELECTIVES** 21 Credits

In consultation with your advisor, select appropriate courses to fulfill graduation requirements.

**TOTAL CREDITS REQUIRED** 120 Credits

*University Core Curriculum Requirements – The university requires students to complete course work from all seven areas of the Core Curriculum. For core areas 2, 3, 4, and 7 you are free to meet the requirements from your choice of university approved core area courses; areas 2, 3, 4, and 7 will be met by required courses for this major.

**Prerequisites may apply – See your advisor. Note: All Biology 3000 and 4000 level courses have restricted capacity for non-majors
+ Indicates course is required.
† Indicates courses used to calculate in-major GPA.

Students should discuss the requirements for their major with their advisor prior to registering for classes each semester.

A sequence of 2 foreign language courses is required for graduation unless 3 high school credits of the same foreign language or 6 transfer credit hours of foreign language have been earned. These credits do not count toward graduation. – See Catalog section on Graduation Requirements.
For ViEWS requirement see STS department guidelines.

**MINIMUM GRADE POINT AVERAGE**
In-major minimum must be a GPA of 2.0. In order to graduate from Virginia Tech a student must have a minimum overall GPA of 2.0.

**STS SATISFACTORY PROGRESS POLICY**
In addition to the satisfactory progress toward a degree policy required by the University, satisfactory progress toward a B.A. in STS requires that upon having attempted 72 semester hours (including transfer, AP, advanced standing, and credit by exam) an STS student must have: Completed at least 6 credits toward this major with a 2.0 GPA and have a minimum of a 2.0 in-major GPA. In-major courses include all STS courses and foundation courses for social sciences and natural sciences.