UNIVERSITY CURRICULUM FOR LIBERAL EDUCATION*:

I. Writing and Discourse
   ENGL 1105-1106 Freshman English 3+3+

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

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

IV. Scientific Reasoning and Discovery
     (This 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 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 Liberal Education Curriculum Courses) 3+3+

VI. Creativity and Aesthetic Experience – 3 Credits
    (Select from approved University Liberal Education 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 curriculum requirement will be met by required courses in major)

*University Curriculum for Liberal Education Requirements: The University requires students to complete
course work from all seven areas of the Curriculum for Liberal Education. For areas 1, 5, and 6 you are free
to meet the requirements from your choice of university approved area courses; areas 2, 3, 4, and 7 will be
met by required courses for this major.

TOTAL UNIVERSITY LIBERAL EDUCATION 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
STS 1504 Introduction to Humanities, Science, and Technology† (Area 2) 3____+
STS 2154 Humanities, Technology, and the Life Sciences† (Area 2) 3____+
STS 2984 Humanities, Science, and Environment† 3____+
STS 3105 Science and Technology in Modern Society† (Area 2) 3____+

Capstone Course for Majors
STS 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
AHFM 2244 Food and Clothing: Cultural Traditions Conflicts and Possibilities** (Area 2) 3____
ENGL 3534 Literature and Ecology** (Area 2) 3____
FOR 2554 Nature and American Values (Area 2) 3____
HIST 3144 American Environmental History 3____
HIST 3234 The North American West 3____
HIST 3754 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 3514 Ethical Theory** 3____
PHIL 4304 Topics in Social and Political Philosophy** 3____
PHIL 4604 Philosophy of Biology** 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 Introduction to Human Geography† (Area 3) 3____
OR GEOG 1014 World Regions† 3____
PSCI 1014 Introduction to United States Government and Politics† (Area 3) 3____
OR PSCI 1004 Nations and Nationalities† 3____
OR PSCI 1024 Introduction to Comparative Government and Politics† (Area 3) 3____
PSCI 2054 Introduction 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
AHFM 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
GEOG 4074 Medical Geography**
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**
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

Natural Sciences – Required Courses
BIOL 1005-1006 General Biology† (Area 4)
OR BIOL 1105-1106 Principles of Biology† - available to biology minors (Area 4)
FIW 2114 Principles of Fisheries and Wildlife Management**† (Area 7)
GEOS 1014 Earth and Life Through Time†
OR GEOS 1024 Resources and the Environment†

Total Natural Science Foundation

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)
BIOL 2304 Plant Biology **
BIOL 2504 General Zoology**
BIOL 2804 Ecology**
BIOL 3204 Plant Taxonomy**
BIOL 4004 Freshwater Ecology**
BIOL 4014 Environmental Toxicology**
BIOL 4314 Plant Ecology**
BIOL 4404 Ornithology**
BIOL 4434 Mammalogy**
BIOL 4474 Ethology**
CSES 3134 Soils in the Landscape**
CSES 3604 Fundamentals of Environmental Science**
FIW 4464 Human Dimensions of Fisheries and Wildlife**
FIW 4614 Fish Ecology**
FOR 2314 Forest Biology and Dendrology
FOR 2324 Dendrology Lab

12 Credits
FOR 3364 Survey of Forest Ecology and Management**  
FOR 3324 Environmental Interpretation**  
GEOG 4044 Biogeography  
GEOS 1004 Physical Geology  
GEOS 3014 Environmental Geology  
NR 1114 Intro to Renewable Natural Resources  
PHYS 2074 Highlights of Contemporary Physics  
Total Natural Science Selections  

Written, Oral, and Visual Communication – Required Courses  
COMM 2004 Public Speaking  
One of the following writing courses:  
ENGL 3764 Technical Writing  
ENGL 3774 Business Writing  
ENGL 4824 Science Writing**  
Total Written, Oral, and Visual Communication  

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

TOTAL CREDITS REQUIRED  

**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  

Students who did not successfully complete at least two years of a single foreign, classical, or sign language during high school must successfully complete six semester hours of a single foreign, classical, or sign language at the college level. Courses taken to meet this requirement do not count toward the hours required for graduation. Please consult the Undergraduate Catalog for details. 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 overall 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.