**ENVS Sustainable Systems Concentration Course List**

**Knowledge Competencies**

**Resource Management (2 of the following)**

EEB 2208 Introduction to Conservation Biology

GEOG 3340 Environmental Planning and Management

MARN 3030 Coastal Pollution and Bioremediation

NRE 2010 Natural Resources Measurements

NRE 2215 Introduction to Water Resources

NRE 2325 Fish and Fisheries Conservation

NRE 2345 Introduction to Fish and Wildlife

NRE 3105 Wetlands Biology and Conservation

NRE 3125 Watershed Hydrology

NRE 3155 Water Quality Management

NRE 3305 African Field Ecology and Renewable Resources Management

NRE 3335 Wildlife Management

NRE 3345/W Wildlife Management Techniques

NRE 3500 Exurban Silviculture

NRE 3535 Remote Sensing of the Environment

NRE 4335 Fisheries Management

NRE 4575 Natural Resource Applications of Geographic Information Systems

**Ecological Systems (2 of the Following)**

EEB 2244/W General Ecology

EEB 3247 Freshwater Ecology

EEB 4230W Methods of Ecology

EEB 3230/MARN 3014 Marine Biology

NRE 2455 Forest Ecology

NRE 3205 Stream Ecology

NRE 4340 Environmental Toxicology

**Built Systems (1 of the following)**

AH 3175 Environmental Health

GEOG 2400 Sustainable Cities

HORT 3765 Phytotechnology: Use of Plants for Ecosystem Services

LAND 3230W Environmental Planning and Landscape Design

NRE 3265 Sustainable Urban Ecosystems

**Governance & Policy (1 of the following)**

AH 3174 Environmental Laws, Regulations and Issues

ARE 3235 Marine Resource and Environmental Economics

ARE 3434 Environmental and Resource Policy

ARE 3437 Marine Fisheries Economics and Policy

ARE 4438 Valuing the Environment

ARE 4462 Environmental and Resource Economics

ECON/MAST 2467 Economics of the Oceans

GEOG 3320W Environmental Evaluation and Assessment

MAST/POLS 3832 Maritime Law

NRE 3201 Conservation Law Enforcement

NRE 3245 Environmental Law

NRE 3000 Human Dimensions of Natural Resources

POLS/EVST 3412 Global Environmental Politics

SOCI 3407/W Energy Environment and Society

**Ethics, Values, & Culture (1 of the following)**

ANTH 3339 Cultural Designs for Sustainability

ENGL 3240 American Nature Writing

ENGL 3715 Nature Writing Workshop

GEOG 3410 Human Modifications of Natural Environments

HIST 3540 American Environmental History

HIST 3542 New England Environmental History

JOUR 3046 Environmental Journalism

PHIL 3216 Environmental Ethics

SOCI 2701 Sustainable Societies

SOCI 2705 Sociology of Food

SOCI 2709W Society and Climate Change

SOCI 3407/W Energy Environment and Society

**Economics & Business (1 of the following)**

ARE 3235 Marine Resource and Environmental Economics

ARE 4305 The Role of Agriculture and Natural Resources in Economic Development

ARE 4438 Valuing the Environment

ARE 4444 Economics of Energy and the Environment

ARE 4462 Environmental and Resource Economics

ARE 4464 Benefit Cost Analysis and Resource Management

ECON/MAST 2467 Economics of the Oceans

ECON 3466 Environmental Economics

ECON 3473 Economic Development

**\*Courses cannot be used to fulfill more than one competency.**