name: ____________________________

expected graduation date: ___________

summer modules
  ___ F&ES 001 Urban Ecosystem Analysis
  ___ F&ES 002 Land Measurement and Mapping
  ___ F&ES 003 Ecosystem Measurement

please check all courses completed and indicate courses that will be completed with an asterisk.

A. Basic Knowledge

1. Biological Science (three courses from different topic areas)
   a. Topic Area: Tree Physiology, Morphology and Taxonomy
      - F&ES 652b Wood Structure and Function
      - F&ES 654a Structure, Function and Development of Trees and Other Vascular Plants
      - F&ES 671a Natural History and Taxonomy of Trees
      - F&ES 679a Plant Ecophysiology
      - F&ES 731b Tropical Field Botany
      - Approved Other:
   
   b. Topic Area: Forest Ecology, Forest Dynamics
      - F&ES 660a Forest Dynamics: Growth & Development of Forest Stands
      - F&ES 752a Ecology and Conversation of Tropical Forests
      - Approved Other:
   
   c. Topic Area: Ecosystem and Community Ecology
      - F&ES 530a Ecosystems and Landscapes
      - F&ES 740b Dynamics of Ecological Systems
      - Approved Other:
   
   d. Topic Area: Forest Health/Restoration
      - (F&ES 674b Seminar in Forest Health and Climate Change) – not offered 18-19
      - (F&ES 650b, Fire: Science and Policy) – not offered 18-19
      - (F&ES 683b Seminar in Tropical Forest Restoration in Human Dominated Landscapes) not offered 18-19
      - Approved Other:

2. Physical Sciences (two courses from different topic areas)
   a. Topic Area: Soils and Geology
      - F&ES 709a Soil Science
      - G&G 110a Dynamic Earth
      - Approved Other:
   
   b. Topic Area: Hydrology
      - F&ES 714b Environmental Hydrology
      - F&ES 724a Watershed Cycles and Processes
      - (F&ES 644a Watershed Science) – not offered 18-19
      - Approved Other:
   
   c. Topic Area: Biometeorology
      - G&G 322a Physics of Weather and Climate
      - G&G 140a Atmosphere, Oceans and Climate Change
      - G&G 120a Earth's Changing Climate
      - F&ES 630b The Physical Science of Climate Change
      - Approved Other:

3. Social Sciences (two courses, one from each topic area)
   a. Topic Area: Social and Political Ecology & Anthropology
      - F&ES 520a Society & Environ. Intro to Theory & Method
      - F&ES 615b Political Ecology of Conservation and Restoration of Tropical Forests
      - F&ES 764a Environment, Culture, Morality, and Politics
      - F&ES 839a Social Science of Development and Conservation
      - Approved Other:
   
   b. Topic Area: Policy Science & Law
      - F&ES 627b Environmental Law
      - F&ES 820b Land Use Law
      - F&ES 824a Environmental Law and Policy
      - F&ES 826a Foundations of Natural Resource Policy & Management
      - F&ES 829b Global Environmental Governance
      - Approved Other:
B. Frameworks and Skills

1. **Economics** (one course)
   - Forest and Ecosystem Finance
   - F&ES 804b Economics of Environment and Natural Resource Management
   - F&ES 834b Environmental Economics
   - Approved Other:

2. **Silviculture** (one course)
   - F&ES 659b Principles in Applied Ecology: the Practice of Silviculture
   - Approved Other:

3. **Measurement** (one course)
   - F&ES 510a Introduction to Statistics for the Environmental Sciences
   - F&ES 751b Sampling Methodology and Practice
   - F&ES 753a Regression Modeling of Ecological and Environmental Data
   - F&ES 758b Multivariate Statistical Analysis in the Environmental Sciences
   - F&ES 781b Applied Spatial Statistics
   - Approved Other:

4. **GIS** (one course strongly recommended)
   - F&ES 726b Remote Sensing: Observing the Earth from Space
   - F&ES 755b Modeling Geographic Space
   - F&ES 756a Modeling Geographic Objects

C. Synthesis and Analysis

1. **Management of Forest Resources** (one course/both recommended)
   - F&ES 954a Management Plans for Protected Areas
   - F&ES 676b Forest Ecosystem Management
   - Approved Other:

2. **Professional Skills – Concentration Area**
   - see concentration area examples (three courses)
   - F&ES 669b Forest Operations (strongly recommended)
   - : ________________
   - : ________________

3. **Professional Ethics** (required)
   - F&ES 009 Professional Ethics

D. Capstone - Leadership

   - F&ES 837b Seminar on Leadership in Natural Resources and the Environment
   - F&ES 955a, b Seminar in Research Analysis, Writing, Communication in Forest Ecology and Management
   - Approve Project Course:

E. Field Trips (one week long field trip)

   - F&ES 668b Field Trips in Forest Resource Management and Silviculture
   - F&ES 670b Southern Forest and Forestry Field Trip
   - Approved Other:

STUDENT'S SIGNATURE: __________________________________________

ADVISOR'S SIGNATURE: __________________________________________

MF PROGRAM COORDINATOR SIGNATURE: __________________________

REGISTRAR'S SIGNATURE: _________________________________________

Return to the Registrar's Office by February 1st.
MASTER OF FORESTRY NOTES

During the academic year there are twelve course bins that need to be filled to meet the Master of Forestry. However, there is considerable flexibility. Prior upper-level coursework at other institutions may qualify for bin coverage allowing the student to qualify for an exemption approved by the MF coordinator. In addition, a course of choice by the student not listed within a bin may be approved. Beyond the course bin requirements that fulfill SAF accreditation in course and subject area distribution, students are encouraged to choose their remaining 4-6 electives to gain proficiency in a region and/or topic area concerning forestry.

Examples of Electives Available for Popular Self-Designed Concentration Areas in the Master of Forestry

Tropical Forestry and Community Development
F&ES 681a Ethnobotany – not offered 18-19
F&ES 717b Tropical Field Ecology
F&ES 760b Conservation in Practice: An International Perspective
F&ES 799b Sustainable Development Goals and Implementation
F&ES 836a Agrarian Societies: Culture, Society, History and Development
F&ES 876b Indigenous Traditions and the Environment

Timberland Investment and Ecosystem Finance
F&ES 636a Sustainable Finance
F&ES 669b Forest Operations
F&ES 742b Fundamentals of Working with People
F&ES 767b Tools for Conservation Project Design and Management
F&ES 807a Corporate Environmental Management and Strategy
F&ES 811b Metrics, Tools and Indicators in Corporate Responsibility
MGT 502 Foundations of Accounting and Valuation
MGT 525 Competitive Strategy

Urban Forestry and Community Development
F&ES 573a Urban Ecology for Local and Regional Decision Making
F&ES 643a Managing the Environment with People in Mind
F&ES 614b Justice, Nature and Reflective Environmental Practice
F&ES 742b Fundamentals of Working with People
F&ES 788 Urban Ecology – not offered 18-19
F&ES 817a Urban, Suburban, and Regional Planning Practice
F&ES 846 Perspectives on Environmental Injustices
F&ES 888b Ecological Urban Design
F&ES 975b Environmental Justice Capstone

Forest Policy and Governance
F&ES 702b Climate Change Seminar
F&ES 767b Tools for Conservation Project Design and Management
F&ES 828b Comparative Environmental Law in Global Systems
F&ES 840a Climate Change Policy and Perspectives

Agriculture and Agroforestry
F&ES 646 Foundations of Agriculture and Environment
F&ES 692a Science and Practice of Temperate Agroforestry
F&ES 669b Forest Operations
F&ES 727a Food: Science, Law & Policy
F&ES 772a Social Justice in the Global Food System
F&ES 774a Agriculture: Origin, Evolution, Crises
F&ES 836a Agrarian Societies: Culture, Society, History and Development
Public Lands Management
F&ES 669b  Forest Operations
F&ES 742b  Fundamentals of Working with People
F&ES 719b  Strategies in Land Conservation
F&ES 767b  Tools for Conservation Project Design and Management
F&ES 822a,b  Strategic Communication in Delivering Effective Communication
F&ES 964  Largescale Conservation: Integrating Science, Management and Policy

Extension, Education, and Communication
F&ES 625b  Writing Workshop
F&ES 743b  Strategic Environmental Communication
F&ES 747a  Global Communication Skills
F&ES 750a  Writing the World

Watershed Management
F&ES 644  Watershed Science
F&ES 669b  Forest Operations
F&ES 712a  Water Resource Management
F&ES 723a  Wetlands Ecology, Conservation & Management
F&ES 719b  Strategies in Land Conservation
F&ES 732  Hydrology and Riverine Geomorphology
F&ES 767b  Tools for Conservation Project Design and Management
F&ES 898a  Environment and Human Health

Conservation Forestry and Protected Areas
F&ES 669b  Forest Operations
F&ES 719b  Strategies in Land Conservation
F&ES 741b  Ecosystem Measurements for Conservation and Restoration
F&ES 742b  Fundamentals of Working with People
F&ES 743b  Strategic Environmental Communication
F&ES 767b  Tools for Conservation Project Design and Management