1. Apply the principles of conservation science and sustainability to real
world environmental problems. (Environmental Conservation Named
Option)

2. Explain the interconnections between environmental conservation
and human well-being, and identify social, economic, and institutional
conditions that favor sustainability. (Environmental Conservation
Named Option)

3. Conceptualize, strategize, design, and implement innovative
environmental problem-solving techniques. (Environmental
Conservation Named Option)

4. Demonstrate competence in core professional skills related
to conservation practice, including: written, verbal, and visual
communication; conflict resolution; interdisciplinary team building
and problem definition; conservation planning; and program
evaluation. (Environmental Conservation Named Option)

5. Recognize and apply principles of ethical and professional conduct
in environmental conservation. (Environmental Conservation Named
Option)

6. Apply the principles of conservation science and sustainability to
real world environmental problems. (Environmental Observation and
Informatics Named Option)

7. Explain the interconnections between environmental conservation
and human well-being, and identify social, economic, and institutional
conditions that favor sustainability. (Environmental Observation and
Informatics Named Option)

8. Choose and apply the most appropriate and powerful platforms
and technologies to address environmental challenges related to
both human activities and natural dynamics. Interpret remotely-
sensed earth observation data and apply those data to complex
environmental problems. (Environmental Observation and Informatics
Named Option)

9. Construct models of environmental phenomena to better understand
natural processes and human actions, to predict and project
future outcomes and scenarios, and to quantitatively evaluate
those scenarios to enable more informed management and
policy decisions. Conduct robust statistical analyses to examine
quantitative model output and distributed environmental data, and
interpret resulting patterns and trends. (Environmental Observation
and Informatics Named Option)

10. Drive strategic thinking to design and manage the use of observation
technologies to advance policy and program direction, and engage
with organization leadership. (Environmental Observation and
Informatics Named Option)

11. Conceptualize, strategize, design, and implement innovative
environmental problem-solving techniques. (Environmental
Observation and Informatics Named Option)

12. Demonstrate competence in core professional skills related to
earth observation practice including written, verbal, and visual
communication; conflict resolution; interdisciplinary team building