

## Welcome to your project experience!

*This project is a 9 credit-hour general education requirement. You will work on it throughout the semester, meeting with your faculty advisor once per week.*

*Your team has been given this problem statement from a local organization:*

Broad Meadow Brook Wildlife Sanctuary is the largest urban nature preserve in New England, with over 400 acres of protected lands. The Sanctuary features wilderness trails over hilly terrain through forests, fields, and marshlands. There are no trails accessible to people with physical disabilities.

The Massachusetts Audubon Society, which provides financial support to the Sanctuary, wishes to promote trails that are “all persons accessible,” and to that end has granted the Sanctuary a new piece of land.

Broad Meadow Brook Wildlife Sanctuary is unsure if such trails are feasible, and if so, how they might be designed and operated. They are hoping your team can help.

- 1. What is your goal?**
- 2. What areas of background research will you focus on?**
- 3. Which stakeholders will you consult with, and how?**
- 4. What do you think you can deliver?**

## Examples of Interim Project Assignments

- Project Framing and Refining
  - Team Charter or Contract
  - Goal Statements
  - Research Objectives
  - Annotated Bibliography
  
- Chapter Outlines
  - Introduction
  - Background/Literature Review
  - Methods
  - Findings
  - Recommendations and Conclusions
  
- Draft Instruments/Protocols
  - Interviews, Surveys, or Focus Groups
  - Participant Observation
  - Physical Data Collection
  - Data Analysis
  
- Interim Presentations
  - Goal and Research Objectives
  - Background and Literature Review
  - Proposed Methodology
  - Preliminary Findings
  
- Formative Teamwork Assessments
  - Strengths and Areas for Improvement
  - Self, Partners, Team as a Whole
  - Action Items
  - Evidence of Progress

# Project Learning Outcomes

These are the faculty-approved Learning Outcomes for WPI's Interactive Qualifying Project, a 9 credit-hour interdisciplinary degree requirement. The numbers in parentheses denote corresponding WPI curriculum-wide undergraduate outcomes adopted by the faculty in 2004.

1. Demonstrate an understanding of the project's technical, social and humanistic context. (1, 7, 8)
2. Define clear, achievable goals and objectives for the project. (6)
3. Critically identify, utilize, and properly cite information sources, and integrate information from multiple sources to identify appropriate approaches to addressing the project goals. (7, 10)
4. Select and implement a sound approach to solving an interdisciplinary problem. (7, 10)
5. Analyze and synthesize results from social, ethical, humanistic, technical or other perspectives, as appropriate. (8, 9)
6. Maintain effective working relationships within the project team and with the project advisor(s), recognizing and resolving problems that may arise. (5)
7. Demonstrate the ability to write clearly, critically and persuasively. (4)
8. Demonstrate strong oral communication skills, using appropriate, effective visual aids. (4)
9. Demonstrate an awareness of the ethical dimensions of their project work. (9)