After completing these Soil and Land Evaluation skills, students should be able to evaluate soil and land, recommend land treatments and complete the scorecards for soil/land and homesite evaluation. This knowledge will provide a solid groundwork upon which the student may build. To achieve success in this curriculum the skills listed below will help leaders and advisors know what to teach and the students to know what they need to learn. Have your leader or advisor initial and date each skill as completed.

1. Match terms associated with soil and land evaluation to the correct definitions. 
   Date Completed
   Approved By

2. List three reasons for soil and land evaluation. 
   Date Completed
   Approved By

3. Select factors considered in determining land capability class. 
   Date Completed
   Approved By

4. Name the five major groups of soil in relation to texture. 
   Date Completed
   Approved By

5. Discuss determining soil texture by feel using Thien’s analysis chart. 
   Date Completed
   Approved By

6. Determine correctly 5 out of 10 unknown soil textures by feel. 
   Date Completed
   Approved By

7. Match the different variations of permeability, depth, slope, erosion, surface runoff, drainage, and climate to the identifying characteristics of each. 
   Date Completed
   Approved By

8. Match the land capability class to the correct description. 
   Date Completed
   Approved By

9. Select, when given six land factors, the best land class possible for the specified field. 
   Date Completed
   Approved By

10. Select the recommended vegetative land treatments when given the land capability class. 
    Date Completed
    Approved By

11. Select the recommended mechanical land treatments when given the land capability class. 
    Date Completed
    Approved By

12. Select the correct fertilizer and soil amendments needed from soil test information provided. 
    Date Completed
    Approved By

13. Select factors considered in homesite evaluation. 
    Date Completed
    Approved By

14. Match the variations of permeability, slope, erosion, runoff, shrink-swell, water table and flooding to the correct definitions for homesite evaluation. 
    Date Completed
    Approved By

15. Select, when given land factors, the degree of limitation for foundations without basement; lawns, shrubs and gardens; septic systems; and lagoon sewage systems. 
    Date Completed
    Approved By

16. Demonstrate the ability to: 
   a. Complete a land evaluation scorecard when given the characteristics of a field. 
      Date Completed
      Approved By
   b. Complete a homesite evaluation scorecard when given the characteristics of a field. 
      Date Completed
      Approved By