

Online Instructor's Solutions Manual
to accompany

**Introduction to Engineering Technology,
Seventh Edition**

**Robert Pond
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ANSWERS TO PROBLEMS
Introduction to Engineering Technology, 7th Edition

CHAPTER 1

1. Requires personal library research.
2. This assignment will enhance students' awareness of the *History of Engineering*.
3. Requires individual response.
4. Requires personal research.
5. Requires individual response.
6. Requires individual response.
7. Communicator, implementer, cal, and tester.
8. Refer to Section 1.2's subhead, *Teamwork in Manufacturing*.
9. Requires personal research.
10. a. 2 b. 3 c. 1 d. 1 e. 3 f. 2 g. 1 h. 1 i. 3 j. 3 k. 1
11. Occupational satisfaction, availability of employment, salary potential.
12. Requires personal research.
13. An increase in automation requires complex machinery. Technicians or technologists with a quality education are needed to fabricate, maintain, or repair such equipment.
14. Requires personal library research.
15. Requires personal library research.
16. $\$36,300 \times 1.60 = \$48,080$
17. Requires personal research.
18. Requires design of questionnaire and interview.
19. Requires Internet research.
20. Requires personal or team research.

CHAPTER 2

1. Chemical engineering technician, civil engineering technician, electronic engineering technician, computer engineering technician, industrial engineering technician, mechanical engineering technician
2. Requires personal report.
3. Requires personal report.
4. Requires personal report.
5. Requires personal report.
6. Requires personal report.
7. Requires personal report.
8. Requires personal report.
9. Requires personal research.
10. Requires personal report.
11. Requires research in college catalog.
12. Requires meeting with technology advisor and completion of curriculum plan.
13. MET
14. CpET
15. ChET
16. IET
17. CpET
18. MET
19. MET (or CET)
20. IET

21. EET
22. MET
23. MET
24. CET
25. CET
26. ChET
27. MET
28. EET
29. CET
30. Requires interview and report.
31. Requires Internet research.

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