

Overview of ASME Qualified Bolting Specialist Program

The ASME Bolting Specialist Qualification Program introduces you to the principles and practices of bolted joint assembly. It improves your ability to inspect, troubleshoot, assemble, disassemble, and tighten bolted joints safely.

Through training and testing, you will demonstrate your understanding of the principles and practices of bolted joint assembly, as outlined in Appendix A of ASME PCC-1: *Guidelines for Pressure Boundary Bolted Flange Joint Assembly*.

This program consists of two sections:

- 1. Online – Bolting Principles and Procedures:** This training and assessment is designed to improve your knowledge of the principles and procedures of bolting. It is delivered in four online courses with multiple-choice reviews and an online final examination. The four parts included in the online training are:
 - Part 1 – Principles of the Bolted Joint and ASME PCC-1
 - Part 2 – Flanges, Fasteners, and Gaskets
 - Part 3 – Putting It Together/Taking It Apart
 - Part 4 – Bolting Safety and Tool Handling
- 2. On-Site – Hands-On Tool Demonstration and Testing:** This training and assessment is delivered in a one-day session in which you will review, observe, and demonstrate actual tool handling and safety principles. During this training day, you will demonstrate that you can safely and effectively operate bolting tools and assemble functioning joints. It is designed to test and improve your skills. This training can only be taken after successful completion of all four online courses and the final examination. Initially, this training will be available at various locations around the U.S.

Successful candidates who submit verification of at least 6 months of bolted joint assembly experience, complete the online courses, pass the online examinations, and pass the on-site instructor's evaluation will receive the ASME Certificate for the Qualified Bolting Specialist. Please note the following:

Individuals who successfully complete this program will be familiar with the general principles and best practices of bolted joint assembly as outlined in the current edition of ASME PCC-1, and shall have demonstrated their knowledge at the level required by Appendix A of the ASME PCC-1 Guidelines.

Here is the process for applying and completing the qualification program:

Bolting Specialist Customer Application Process

1. Complete the 4 online courses and pass each exam
2. Complete the ASME application form
3. Pass the online Bolting Principles and Procedures Final Exam, scoring 100%
4. Contact an Authorized Training Provider to take the On-Site – Hands-On Tool Demonstration and Testing training
5. Submit the completed evaluation from the On-Site training
6. Receive the ASME Bolting Specialist Qualification certificate and card

