

Ham Cram the Smart Way: The Online Ham Radio Test Prep Course

Online Course Summary

The course will contain a total of 23 modules or sections which are summarized below. The goal of each section is to break up all the content required for the test into 10-20 minute bite size chunks in common functional areas that are easier to absorb. The material is optimized to only provide enough information for understanding of the information covered on the test.

An additional bonus course is planned to be included following this course to help with the additional questions that come up as you first want to start getting on the air. When developed, it will be bundled with this course at no additional cost.

- Module 1: Why Ham Radio?
- Module 2: What to Expect for the Ham Tech Test and What to Do When You Pass!
- Module 3: The Skinny on Ham Radio
- Module 4: Callsigns and You
- Module 5: Working the Air
- Module 6: Who's the Control Operator?
- Module 7: The RF Theory
- Module 8: The Electrical Theory
- Module 9: Metric Units
- Module 10: Power and Ohms Law
- Module 11: Schematic Symbols
- Module 12: Amateur Bandplans
- Module 13: Radio Operations and Function
- Module 14: Repeater Communications
- Module 15: Mayday...Mayday...Mayday
- Module 16: Signals Around the Earth
- Module 17: Satellite Communications
- Module 18: Digital Transmissions
- Module 19: Radio Modes and Common Functions/Features
- Module 20: Reducing Interference
- Module 21: Antennas
- Module 22: Coax Cable and Antenna Testing
- Module 23: Safety Leads the Way

Materials Included with the Course

In addition to the online modules, the course will also include the following written materials.

- **Course Study Guide** – outlines all the high topics in a color-coded method to show what is test material and supporting material to aid in offline studying.
- **Recommended Study Tips** – some quick study tips to help aid in better retention of the course materials (part of the study guide).
- **Formula and Equations Worksheet** – practice problems worksheet to aid to allow you practice equations that will be seen on the exam.
- **Course Presentation Slides** – a PDF download of the course PowerPoint slides to allows you to follow along during the course or study while offline.