

Technician Amateur Radio License Class

Saturdays, March 19 to April 30, 2022

1:00 PM to 4:00 PM

via Zoom

David Bern, W2LNX and friends

instructors@marcclub.org


Zoom policy

- waiting room
- mikes are muted
- will record sessions for students in class
- will pause to take questions
 - use Chat box to ask a question – goes to host
 - use Raise Hand under Reactions
 - use space bar as push-to-talk (PTT) button

course syllabus and schedule

 [course syllabus and schedule](#)

<https://www.marcclub.org/mweb/education/Technician/syllabus.html>

 means "show"

agenda

Steps to obtain a FCC amateur radio license

Lesson 1 - [AI, KN3U](#):

- module 7 - Types of Radio Circuits

break and demonstration - David, W2LNX

Lesson 2 - AI, KN3U:

- module 11 - Basic Amateur Radio Station Equipment

break and demonstration - David, W2LNX

Lesson 3 - AI, KN3U:

- module 12 - Power Supplies and RF Interference

break and demonstration - David, W2LNX

steps to obtain an FCC amateur radio license

- register to take a Technician test at a test session **today**
 - [ARRL Find an Amateur Radio License Exam Session](#)
 - [Laurel VEC Exam Schedule](#) – free
 - [HAMSTUDY Upcoming in-person sessions](#)
 - [Baltimore VE Team](#), Baltimore, MD area
 - MARC/Laurel VE Team, Rockville, MD area
 - class test session May 1, 2022 at 8:30 AM
 - register at education@marclub.org

steps to obtain an FCC amateur radio license

- obtain an FCC Registration Number (FRN) – [instructions](#)
 - **REGISTER** an **FCC Username Login**
 - use a personal email address
 - **LOG IN** and **REGISTER NEW FRN**
 - can obtain multiple FRNs for family members
 - you are an **individual**
 - disclose your SSN only **once** to the FCC
 - use personal email address

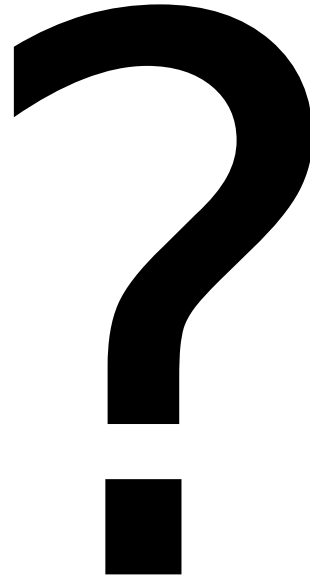
steps to obtain an FCC amateur radio license

- fill out an [interactive NCVEC Form 605](#)
 - use any valid US postal address
 - use personal email address
 - save as a PDF file – signature at test session
 - we require your FRN and do not accept your SSN
 - we do not accept a scanned copy
- pass the Technician test
- [pay the \\$35 application](#) fee directly to the FCC starting April 19, 2022
 - email from the FCC with a link with payment instructions
 - pay within **10 calendar days**
 - second email from the FCC with a link to your official license


module 7 - Types Radio Circuits

- HRLM [module 7 - Types of Radio Circuits](#)

Questions



break and demonstration

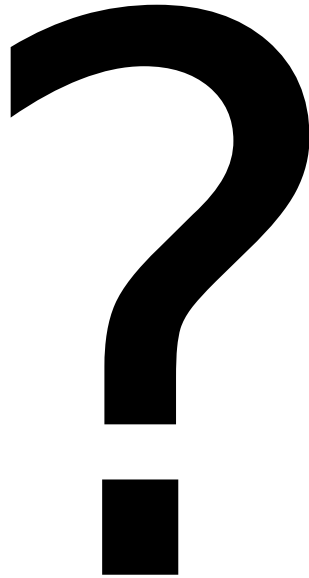
 demonstration – bandwidth and speed

 [fldigi digital modes](#)

module 11 – basic Amateur Radio Station Equipment

- HRLM [module 11 – Basic Amateur Radio Station Equipment](#)

questions



break and demonstration

 demonstration – exchanging Internet email using Winlink

 [Winlink Global Radio Email®](#)


module 12 - power Supplies and RF Interference

 HRLM [module 12 - Power Supplies and RF Interference](#)

questions



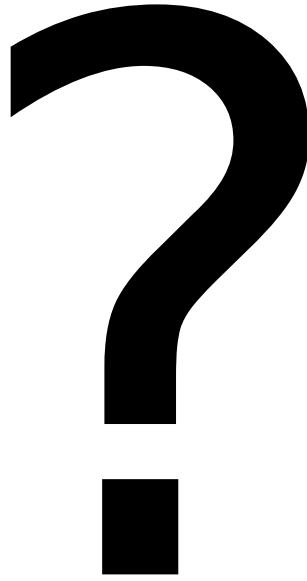
demonstration

 demonstration – exchanging messages using Post Office
Winlink

homework

- read chapters in HRLM for session 3 for modules 7, 11 and 12
 - review test questions for these HRLM chapters using [ARRL Exam Review for Ham Radio™](#)
- look at [study resources](#)

questions



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