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## ACE RECOMMENDATIONS



### Cryptologic Technician, Maintenance (CTM)



L=Lower Division Baccalaureate/Associate Degree  
 U=Upper Division Baccalaureate  
 V=Vocational Certificate  
 G=Graduate

**Military Progression: (The amount of credit reflected in this section is dependent upon a Sailor's rank.)**

		Type	Semester Hours	Cumulative Hours
<b>Seaman</b>				
	Nautical Science (Navigation)	L	3	
	Nautical Science (Seamanship)	L	3	
	Swimming (If qualified as Swimmer, First Class)	L	1	
				7 L
<b>Cryptologic Technician, Maintenance, Third Class</b>				
	AC Circuit Analysis	L	1	
	DC Circuit Analysis	L	1	
	Digital Electronics	L	1	
	Electronic Communications	L	2	
	Electronic Devices and Circuits	L	1	

	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Microcomputer Systems Troubleshooting and Repair	L	3	
	Technical Mathematics	L	2	
				24 L
<b>Cryptologic Technician, Maintenance, Second Class (Replaces CTM3 Credit)</b>				
	AC Circuit Analysis	L	1	
	DC Circuit Analysis	L	1	
	Digital Electronics	L	2	
	Electronic Communications	L	2	
	Electronic Devices and Circuits	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Microcomputer Systems Troubleshooting and Repair	L	3	
	Technical Mathematics	L	2	
				26 L
<b>Cryptologic Technician, Maintenance, First Class (Replaces CTM2 Credit)</b>				
	AC Circuit Analysis	L	1	
	DC Circuit Analysis	L	1	
	Digital Electronics	L	2	
	Electronics Communications	L	2	
	Electronic Devices and Circuits	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Maintenance Management	L	2	
	Microcomputer Systems Troubleshooting and Repair	L	4	
	Principles of Supervision	L	2	
	Records and Information Management	L	2	
	Technical Mathematics	L	2	
				33 L
<b>Chief Cryptologic Technician, Maintenance (Replaces CTM1 Credit)</b>				
	AC Circuits	L	1	

	DC Circuits	L	1	
	Digital Electronics	L	2	
	Electronics Communications	L	2	
	Electronic Devices and Circuits	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Maintenance Management	L	3	
	Microcomputer Systems Troubleshooting and Repair	L	4	
	Principles of Supervision	L	3	
	Records and Information Management	L	3	
	Technical Mathematics	L	2	
				36 L
<b>Senior Chief Cryptologic Technician, Maintenance (Replaces CTMC Credit)</b>				
	AC Circuit Analysis	L	1	
	DC Circuit Analysis	L	1	
	Digital Electronics	L	2	
	Electronic Communications	L	2	
	Electronic Devices and Circuits	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Maintenance Management	L	3	
	Microcomputer Systems Troubleshooting and Repair	L	4	
	Principles of Supervision	L	3	
	Records and Information Management	L	3	
	Technical Mathematics	L	2	
	Organizational Management	U	3	
	Practicum in Management	U	3	
				36 L
				6 U
<b>Master Chief Cryptologic Technician, Maintenance (Replaces CTMCS Credit)</b>				
	AC Circuit Analysis	L	1	
	DC Circuit Analysis	L	1	
	Digital Electronics	L	2	
	Electronic Communications	L	2	

	Electronic Devices and Circuits	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Introduction to Electronics	L	3	
	Maintenance Management	L	3	
	Microcomputer Systems Troubleshooting and Repair	L	4	
	Principles of Supervision	L	3	
	Records and Information Management	L	3	
	Technical Mathematics	L	2	
	Management Problems	U	3	
	Operations Management	U	3	
	Organizational Management	U	3	
	Practicum in Management	U	3	
				36 L
				12 U

### Initial Skills Training:

<b>Recruit Training (Basic Training) (A-950-0001)</b>				
	First Aid and Safety	L	1	
	Personal and Community Health	L	1	
	Personal Fitness and Conditioning	L	1	
				3 L
<b>Seamanship Apprentice (A-950-0070)</b>				
	Introduction to Seamanship and Ship Operations	L	2	
				5 L
<b>Cryptologic Technician Maintenance, Class A (A-102-0109)</b>				
	Basic Electricity	L	3	
	Basic Electronics	L	1	
	Computer Networking and Troubleshooting	L	3	
	Digital Electronics	L	1	
	PC Hardware and Operating Systems	L	3	
	PC Troubleshooting and Repair	L	2	
				19 L

### Follow on Training:

The following courses are available to personnel within the Cryptologic Technician, Maintenance rating, but a given individual may not take all courses.

<b>Combat Direction Finding Maintenance Technician (A-102-0350)</b>				
	Basic Electronic Communications	L	2	
	Computer Networking	L	2	
	Electronic Systems Troubleshooting and Maintenance	L	4	
<b>Electronic Security Systems Maintenance (ESSM), Class C (A-198-0030)</b>				
	Security Systems Maintenance	L	3	
<b>General Purpose Electronic Test Equipment Calibration and Maintenance (C-198-6671)</b>				
	Electronic Systems Troubleshooting and Maintenance	L	3	
	Electronic Test Equipment	L	6	
	Electronic Theory	L	2	
	Electronic Communications	U	1	
<b>Information Systems Administrator (A-531-0046)</b>				
	Computer Networking	L	3	
	TCP/IP Networking	L	2	
	Network Management and Control	U	3	
	Network Planning and Configuration	U	3	
<b>Subsurface Cryptologic Maintenance Technician (A-102-0405)</b>				
	Electronic Communications	L	3	
	Electronic Maintenance and Troubleshooting	L	3	

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