

## Merit Badge University 2019 – Classes offered and Prereq's

Badge	Session	Age	Prereq's
ASTRONOMY	Double Session	14+	The scouts should to be able to point out and identify 10 constellations, 4 of which in the zodiac, and 8 stars. Take a series of digital images of the motion of the moon or a planet over a week or two at the same time at night, label each with date and time and be able to explain the difference.
AUTOMOTIVE MAINTENANCE	Double Session	12+	2a, 2g & 2i, 3a, 5a, 5b & 5c, 7a, 9c, 9d & 9e, 11a, 11b, 12
AUTOMOTIVE MAINTENANCE			
CHEMISTRY	Double Session	14+	4a
<b>CITIZENSHIP IN COMMUNITY</b>			
<b>CITIZENSHIP IN NATION</b>			2,3,6,8
<b>CITIZENSHIP IN WORLD</b>		13+	3b, 4b, 7
COIN COLLECTING			4,6,7,9d,10b, bring a magnifying glass
Digital Technology	1st session		
DISABILITY AWARENESS	2nd session		
ELECTRONICS		14+	research the theory and techniques listed for all items
<b>EMERGENCY PREPAREDNESS</b>	Double Session		First Aid Merit Badge already earned. III. Be prepared to discuss the 5 Aspects of Emergency Preparedness. 2b, 32c, 3b, 9
ENERGY			4a,b
ENGINEERING	Double Session	14+	Scouts are encouraged to bring: a. Computer or smart phone, if they have them; b. An old, disposable toaster or waffle iron which we will dissect and dispose (the appliances will not be useable after dissection); and c. Some common tools for the dissection.
Insect Study			5,9,10
Nature			4a, 4c, 4f, 4h
OCEANOGRAPHY			7
PUBLIC SPEAKING	Double Session	13+	Scouts should prepare a 3-5 minute self introduction to be given upon entry. Scouts should also study the Parliamentary Procedure

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			rules in the handbook. Scouts will finally prepare a topic only for a 3-5 minute speech on the subject of their choice. It will be either expository or persuasive in nature. Finally, scouts should have watched <a href="https://www.intelligencesquaredus.org/debates/video-games-will-make-us-smarter">https://www.intelligencesquaredus.org/debates/video-games-will-make-us-smarter</a> and taken notes on it to prepare an argument speech we will structure in class.
SOIL & WATER CONSERVATION	Double Session	14+	1a, 1b, 1c, 2a, 2b, 2c, 2d, 3a, 3b, 3c, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 5e, 6a, 6b, 6c, 6d, 7d, 7e
THEATER			
WEATHER	mornin g only	12+	9,10,11
Welding			