



DEL-MAR-VA COUNCIL
2020 ELKTON MERIT BADGE COLLEGE
CLASS PREREQUISITES
(rev. dated 25 Oct 2019)

GENERAL NOTES REGARDING MERIT BADGE PREREQUISITES

(Please read these first)

1. It is a must that all Scouts read and bring their merit badge pamphlets (books) with them to the first and second sessions of 2019 Elkton Merit Badge College (MBC).
2. In this packet, you will find the prerequisites for all the merit badges that are offered at MBC. Often requirements for merit badges are changed by the Boy Scouts of America. It is the responsibility of every Scout attending MBC to review the requirements for their selected merit badges to ensure that they are working with the most recent requirements.
3. You may review the requirements and changes to merit badge pamphlets by going to the following Web site: <http://www.scouting.org/meritbadges.aspx>
4. Experience has shown that it greatly benefits each Scout to complete the prerequisites (*making certain that you have proof of completion*). Scouts need to bring the completed requirements along with the proof of completion with them to the first session in January unless otherwise noted.
5. Please pay attention to those prerequisites which state that you must call the merit badge counselor before starting to work on the merit badge. Failure to do this in a timely manner could result in a Scout not completing the merit badge and receiving partial credit for that badge.
6. When reading the prerequisites, please take special notice of any cases in which a merit badge requirement includes the words "*Discuss or explain with your counselor...*". Scouts will be required to put in writing any or all discussion points which you would ordinarily verbally discuss with your counselor and bring these with you to the January MBC session. This accommodation is necessary due to large class sizes during MBC and to give every Scout an opportunity to fulfill these types of requirements. If you have questions about this item, please contact your merit badge counselor.
7. Blue Cards must be filled out prior to the January session and turned in to the MB Counselor at your first class. Blue cards are the responsibility of the Scout.

8. Please be sure to purchase your merit badge pamphlets early so if the Del-Mar-Va Council Scout Shop or Dover Army/Navy Store runs out they can reorder in time. It takes a few weeks to get books in, so don't wait to last minute. Merit badge pamphlets can also be purchased online through www.scoutstuff.org.

American Heritage

- No prerequisites for this merit badge

Art

- Scouts interested in taking this merit badge should bring necessary items for drawing, (pencils, colored pencils, paper, etc.).
- Scouts should have Requirement #6 completed prior to coming to the first class.
- Scouts should bring a copy of the Art merit badge worksheet found at <http://usscouts.org/mb/worksheets/list.asp>.

Auto Maintenance

- Bring the owner's manual from the car (Parent's, relative's, or neighbor's) that you will be doing the required work on.
- Print off the merit badge worksheet & bring it with a pencil.
<http://usscouts.org/mb/worksheets/list.asp>.
- Between the first and second session of the College the Scout will be expected to do most of the following on the car (there are some options):
 - clean & wax a car or truck;
 - change the oil & filter;
 - locate and check the air filter;
 - locate jack and use it to remove/ install a tire-wheel
 - check the coolant; and
 - Remove/install a spark plug.
- Research and write values of three vehicles, a new one and used – including costs of ownership, gas, & insurance for a new driver.
- Research and write about three career opportunities in the auto industry.

Note: While parts will cost a few dollars, the total cost will be less than having a garage complete all these tasks.

Aviation

- Be prepared to discuss Requirements #1a through #1f during the first session of MB College.

Bugling

Thank you, Scout, for Bugling! If you read through the requirements *carefully*, you will note (requirement #6 ?) that you may already have “passed” all the requirements! But for me to “Pass” you, I ask that before you come to our meeting, that you:

- 1) READ the Merit Badge Pamphlet, either online or paper copy (“Music and Bugling Merit Badges”). If you need one, tell me (James Lehman, Jr., lehmaj@verizon.net, 301.275.1708) and I can bring one for you to BUY. NOT the “worksheet”, that is not the pamphlet.
- 2) Applicant must provide their own instrument. I do not provide a bugle. Trumpet, cornet, or bugle are all acceptable.
- 3) Understand - this is NOT a “learn and earn” session! You are expected to play the required bugle calls! However, I do not expect you to have necessarily memorized all of them (that would be good!), so you may read the charts.

- 4) Req.#2b: Bring your WRITTEN, on staff paper, original bugle call and be prepared to play that, too.
- 5) Bring a note from your Scoutmaster attesting to your satisfying of Req.#6.
- 6) Be prepared (there's that phrase again!) to discuss all other requirements.

Chemistry

- Make a Cartesian Diver and bring it with you (Instructions can be found on the web). http://en.wikipedia.org/wiki/Cartesian_diver.

Chess

- Print out the Chess MB worksheet at: <http://usscouts.org/mb/worksheets/list.asp>.
- Start practicing chess!

Citizenship in Community

- Complete Requirements #2 through #8.

Citizenship in Nation

- Scout needs to complete Requirement #2 (and be prepared to discuss it).
- Scout needs to complete the first part of Requirement #3 (and be prepared to discuss).
- Scout must read the documents outlined in Requirement #4.
- Scout must pick a speech.
- Scout must ask permission about for requirement #6, & the letter for Requirement #8.

Citizenship in the World

- Complete Requirements #1, #3a, #3b, #4, #5c, #7.

Coin Collecting

- Know three different ways to store a collection, and describe the benefits, drawbacks, and expenses of each method. Pick one to use when completing requirements.
- Do the following:
 - a. Demonstrate to your counselor that you know how to use two U.S. or world coin reference catalogs.
 - b. Read a numismatic magazine or newspaper and tell your counselor about what you learned.
- Collect and show your counselor five different state quarters you have acquired from circulation.
- Collect from circulation a set of currently circulating U.S. coins. Include one coin of each denomination (cent, nickel, dime, quarter, half-dollar, and dollar). For each coin, locate the mint marks, if any, and the designer's initials, if any.
- Do ONE of the following:
 - a. Collect and identify 50 foreign coins from at least 10 different countries.
 - b. Collect and identify 20 bank notes from at least five different countries.
 - c. Collect and identify 15 different tokens or medals.
 - d. For each year since the year of your birth, collect a date set of a single type of coin.
- Do ONE of the following:
 - a. Tour a U.S. Mint facility, the Bureau of Engraving and Printing, or a Federal Reserve Bank, and describe what you learned to your counselor.
 - b. With your parent's permission, attend a coin show or coin club meeting, or view the Web site of the U.S. Mint or a coin dealer, and report what you learned.
 - c. Give a talk about coin collecting to your troop or class at school.
 - d. Do drawings of five Colonial-era U.S. coins.

Collections

- Prepare a short, written report or outline, giving a detailed description of your collection, including a short history. Include why you chose that type of collecting and what you enjoy and have learned from your collection.
- Do the following for your counselor:
 - a. Discuss at least 10 terms commonly used in your collection and be prepared to discuss the definition of each.
 - b. Show any two groups from your collection. Explain how you organized your collection and why you chose that method. (Note: if your collection is too large to transport and view directly, photographs should be available to share.)
 - c. Explain how your collection is valued by other collectors and display any price guides that may be available.
 - d. Explain how your collection is graded for value, physical defects, size and age. Show the various classifications or ratings used in your collection.
 - e. List the national, state, or local association responsive to your collection.
 - f. Show the location of and explain to your counselor the identification number (if applicable), series, brand name (if any), and any special identification marks.
 - Find out about career opportunities in collecting. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor and explain why this profession might interest you.

Communications & Public Speaking



Toastmasters High Performance Leadership Project

Project's Vision

To empower Boy Scouts to mature into the leaders that they have been promised, by having them develop their public speaking skills through a course as part of earning the Public Speaking and Communications Merit Badges facilitated by individual members of local Toastmasters Clubs.

Details

Where: Elkton High School
110 James St,
Elkton, MD 21921

Dates: Saturday January 4, 2020
Saturday February 29, 2020

Time: 8:30 AM – 11:30 AM & 12:30PM – 3:30 PM

Contact: Brian O'Sullivan, DTM

bos21869@gmail.com
 215-840-0793

Agenda for FIRST Saturday Merit Badge College

COMMUNICATIONS AND PUBLIC SPEAKING MERIT BADGES

START	FINISH	TASK	MATERIALS	REQUIREMENT
8:30 OR 12:30	9:05 OR 1:05	Scouts are to deliver a 3-5 minute speech about themselves. Receive feedback from fellow Scouts on Speeches (3 Minutes Max Per Speech). Each Scout is to take notes on what is said, how everyone communicated and how effective was the communication.	Paper & Pens	Public Speaking Req 1 & Communicaitons Req 3
9:05 OR 1:05	9:20 OR 1:20	Have Scouts Present Requirement 2A (2 minute per Scout) Receive feedback from fellow Scouts on Speeches (2 minute Max Per Speech). Each Scout is to take notes on what is said, how everyone communicated and how effective was the communication.	Scout Resumes	Communications Req 2A
9:20 OR 1:20	9:35 OR 1:35	Based on Speech delivered above, the Toastmaster will pick a topic for the Scout to deliver 1-2 minute impromptu speech Receive feedback from fellow Scouts on Speeches (2 minute Max Per Speech). Each Scout is to take notes on what is said, how everyone communicated and how effective was the communication.	Paper & Pens	Public Speaking Req 3

9:35 OR 1:35	9:50 OR 1:50	Group Discussion - List as many ways as you can think of to communicate with others (face-to-face, by telephone, letter, e-mail, text messages, and so on). For each type of communication discuss with your counselor an instance when that method might not be appropriate or effective. Go over Careers that require Communications		Communications Req 1D & 9
9:50 OR 1:50	10:00 OR 2:00	Mid Morning Afternoon Stretch		
10:00 OR 2:00	10:20 OR 2:20	Toastmasters to lead group discussion regarding use of visual aids, body language and vocal variety. Discuss how it will apply to speech and teaching a skill in the next session	Props, Aids Paper & Pens	
10:20 OR 2:20	10:45 OR 2:45	Toastmasters to lead group discussion regarding plan to teach a skill	Prep Work For Comm. Req 6	
10:45 OR 2:45	10:50- OR 2:50	Discuss process and techniques for interviews with Scouts.	Paper & Pens Resumes	
10:50 OR 2:50	11:00- OR 3:00	Break into pairs and have scouts interview each other of course to prepare for Communications Req 4.	Paper & Pens Resumes	
11:00 OR 3:00	11:10 OR 3:10	Provide Introductions (1 minute per Scout)	Paper & Pens Resumes	Communications Req 4
11:10 OR 3:10	11:20 OR 3:20	Go over Rules of Parliamentary Procedures	Hand outs for Public Speaking MB, Pens & Paper	Public Speaking Req 5
11:20 OR 3:20	11:25 OR 3:25	Next Steps for 2/24 Meeting Public Speaking <ul style="list-style-type: none"> Req 2 – 3-5 Speech with visual aids/ vocal variety/ body language Req 4- 8 to 10 minute speech Communications <ul style="list-style-type: none"> Req 5- Discuss Public Meeting they attended 		Completed Public Speaking <ul style="list-style-type: none"> Req 1 Req 3 Req 5 Communications <ul style="list-style-type: none"> Req 1D Req 2A Req 4 Req 9

		<ul style="list-style-type: none"> • Req 6 – Go over Instruction of Skill • Req 7 – Go Over what option they will do for this requirement. • Req 8 - What they did for Court of Honor / Campfire / Ceremony 		
11:25 OR 3:25	11:30 OR 3:30	Fill Out Cards	Cards & Info Hand Out	

Agenda for SECOND Saturday Merit Badge College

COMMUNICATIONS AND PUBLIC SPEAKING MERIT BADGES

START	FINISH	TASK	MATERIALS	REQUIREMENT
8:30 OR 12:30	9:05 OR 1:05	Scouts are to deliver a 3-5 minute Receive feedback from fellow Scouts on Speeches (2 Minutes Max Per Speech).	Paper & Pens	Public Speaking Req 2
9:05 OR 1:05	9:25 OR 1:25	Have Scouts present their information regarding public meeting notes (2 Minutes / Scout). Receive feedback from fellow Scouts on Presentations (1 Minutes Max Per presentation).	Paper & Pens	Communications Req 5
9:25 OR 1:25	10:20 OR 2:20	Have Scouts give their 8-10 minute Speech. Receive feedback from fellow Scouts on Presentations (2 Minutes Max Per speech).		Public Speaking Req 4
10:20 OR 2:20	10:25 OR 2:25	Mid Morning / Afternoon Stretch		
10:25 OR 2:25	10:55 OR 2:55	Have Scouts present their information regarding Teaching experience (2 Minutes / Scout). Receive feedback from fellow Scouts on Presentations (1 Minutes Max Per Presentation).		Communications Req 6
10:55 OR 2:55	11:10 OR 3:10	Have Scouts Show what they did for Req 7(2 Minutes / Scout).	Computer & Lap top	Communications Req 7

		Receive feedback from fellow Scouts on Presentations (1 Minutes Max Per presentation).		
11:10 OR 3:10	11:20 OR 3:20	Have Scouts discuss what they did for the Ceremony for Requirement 8 (2 Minutes / Scout). Receive feedback from fellow Scouts on Presentations (1 Minutes Max Per presentation).	Paper & Pens	Communications Req 8
11:20 OR 3:20	11:30 OR 3:30	Fill Out Cards... Scouts give feedback regarding Course and how to improve	Cards & Pens	
END COURSE				

Requirements for the Communications merit badge:

1. Do ONE of the following:
 - a. For one day, keep a log in which you describe your communication activities. Keep track of the time and different ways you spend communicating, such as talking person-to-person, listening to teachers or the radio, watching television, using social media, reading books and other print media, and using any electronic communication device. Discuss with your counselor what your log reveals about the importance of communication in your life. Think of ways to improve your communications skills.
 - b. For three days, keep a journal of your listening experiences. Identify one example of each of the following, and discuss with your counselor when you have listened to:
 1. Obtain information
 2. Be persuaded
 3. Appreciate or enjoy something
 4. Understand someone's feelings
 - c. In a small-group setting, meet with other scouts or with friends. Have them share personal stories about significant events in their lives that affected them in some way. Take note of how each scout participates in the group discussion and how effectively he communicates his story. Report what you have learned to your counselor about the differences you observed in effective communication.
 - d. List as many ways as you can think of to communicate with others (face-to-face, by telephone, letter, e-mail, text messages, and so on). For each type of communication discuss with your counselor an instance when that method might not be appropriate or effective.
2. Do ONE of the following:
 - a. Think of a creative way to describe yourself, using, for example, a collage, short story or autobiography, drawing or series of photographs, or a song or skit. Using the aid you created, make a presentation to your counselor about yourself.
 - b. Choose a concept, product, or service in which you have great confidence. Build a sales plan based on its good points. Try to persuade the counselor to agree with, use, or buy your concept, product or service. After your sales talk, discuss with your counselor how persuasive you were.
3. Write a five-minute speech. Give it at a meeting of a group.

4. Interview someone you know fairly well, like, or respect because of his or her position, talent, career or life experiences. Listen actively to learn as much as you can about the person. Then prepare and deliver to your counselor an introduction of the person as though this person were to be a guest speaker, and include reasons why the audience would want to hear this person speak. Show how you would call to invite this person to speak.
5. Attend a public meeting (city council, school board, debate) approved by your counselor where several points of view are given on a single issue. Practice active listening skills and take careful notes of each point of view. Present an objective report that includes all points of view that were expressed, and share this with your counselor.
6. With your counselor's approval, develop a plan to teach a skill or inform someone about something. Prepare teaching aids for your plan. Carry out your plan. With your counselor, determine whether the person has learned what you intended.
7. **Do ONE of the following:**
 - a. Write to the editor of a magazine or your local newspaper to express your opinion or share information on any subject you choose. Send your message by fax, email or regular mail.
 - b. Create a web page or blog of special interest to you (for instance, your troop or crew, a hobby, or a sport). Include at least three articles or entries and one photograph or illustration, and one link to some other web page or blog that would be helpful to someone who visits the web page or blog you have created. It is not necessary to post your web page or blog to the internet, but if you decide to do so, you must first share it with your parents and counselor and get their permission.
 - c. Use desktop publishing to produce a newsletter, brochure, flier or other printed material for your scout troop, class at school, or other group. Include at least one article and one photograph or illustration.
8. **Plan a troop court of honor, campfire program, or interfaith worship service. Have the patrol leaders' council approve it, then write the script and prepare the program. Serve as master of ceremonies.**
9. Find out about three career opportunities in communication. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

Requirements for the Public Speaking merit badge:

1. **Give a three- to five-minute introduction of yourself to an audience such as your troop, class at school, or some other group.**
2. Prepare a three- to five-minute talk on a topic of your choice that incorporates body language and visual aids.
3. Give an impromptu talk of at least two minutes, either as part of a group discussion or before your counselor. Use a subject selected by your counselor that is interesting to you but that is not known to you in advance and for which you do not have time to prepare.
4. Select a topic of interest to your audience. Collect and organize information about this topic and prepare an outline. Write an eight- to 10-minute speech, practice it, then deliver it in the conversational way.
5. Show you know parliamentary procedure by leading a discussion or meeting according to accepted rules of order; or by answering questions on the rules of order

Prerequisite that the Scout is to complete, have signed off by Scout-master and discuss during course. This can be done any time prior to the END OF THE COURSE

Prerequisite that the Scout is has prepared to deliver / discuss at the FIRST MEETING of the course

Communications

- Requirement #2a - Prepare an autobiographical resume that you would use in applying for a job and bring it to the first session.
- Requirement #5 - Attend a church board or school board meeting, town or community council meeting. Record what you hear. Make a written report from your notes, which will be turned in to your counselor. Make an oral report to your troop or patrol on what you heard. (This must be signed off by your scoutmaster) Record and report to your counselor any comments by your troop or patrol members.
- Requirement #6 - Develop a plan to teach a skill (Scouting or other type of skill of interest to your fellow Scouts). Bring this written plan with you to the first session for approval by your counselor.
- Requirement #8 - Plan a Troop court-of-honor or campfire program. Have the patrol leader's council approve it, then write the script and prepare the program. Serve as the Master of Ceremonies. Once the program has been completed, it MUST be signed off by your Scoutmaster.

Digital Technology

- Bring your current, up-to-date Cyber Chip to the first session.
<http://www.scouting.org/cyberchip.aspx>

Disabilities Awareness

- Complete requirement #2

Dog Care

- Begin requirement #4 by 12/15/2017. In keeping your log, describe the care you have given your dog for 2 months. Include these items: feeding schedule, food used, housing, exercising, grooming and bathing. Also in writing tell what has been done to keep the dog alert and healthy.
- Complete requirement #8 - Report on a visit to a veterinary hospital or report on a visit to an animal shelter. Call the MB Counselor (see MBC counselor contact list) with any questions.

Electricity

- Complete requirement #2
- Complete requirement #4
- Complete requirement #5
- Complete requirement #6
- Complete requirement #7
- Complete requirement #8
- Complete requirement #9
- Complete requirement #10
- These items will be reviewed in class but required in writing to complete the badge.

Electronics

- Where the requirements call for the scout to 'tell', 'describe', 'discuss', 'draw' or 'explain' prepare a written answer. (Requirements #1, #2A, #2B, the first part of #4A, #4B, and #4C, #5B, & #6)
- Please do the prerequisites and bring them to the first session of the College.

- This will allow us to spend the majority of our class time working on requirement #3 and the second half of requirement #4 (your project). We will be doing requirement #5A on the first day of class.
- Taking the electricity merit badge prior to this class is strongly recommended.

Emergency Preparedness

- Have completed the First Aid MB and bring proof of completion. (Note—DO NOT sign up for Emergency Preparedness if you do not already have First Aid.)
- Bring your own copy of the Emergency Preparedness MB book to class with you.
- Bring a paper copy of the Emergency Preparedness worksheet to class with you. The worksheet is available at: <http://usscouts.org/mb/worksheets/list.asp>. (Note that the amount of space in the worksheet may not be enough for a proper answer. See requirement 2b for an example of where more space is needed. Attach extra sheets as needed.)
- Prepare your Personal Emergency Service Pack (see Requirement #8c) and bring it with you to the first day of class. (Note—do not bring your sleeping bag.) Your emergency service pack should contain a signaling mirror (for use with Requirement #4). The mirror should be light weight and unbreakable (metal preferred).
- Complete requirement #9. We prefer that you choose #9A or #9B. If you choose #9A, e-mail your safety checklist jldenni@aol.com for approval. If you choose #9B, please e-mail me at jldenni@aol.com for the minimum requirements for an acceptable escape plan. Do not wait until the last day and then expect an immediate response. Allow the merit badge counselors 72 hours to respond.
- All written work brought to class should be printed on paper. Do not bring homework to class in electronic format (such as on a Kindle or smart phone or as an electronic file).

Engineering

- Complete Requirements #2, #8 and #9 after reading the Merit Badge Pamphlet.
- The Scout is to do Requirements #1, #5, and #6 between the first and second sessions.
- Please do not attempt requirements #5 & #6 before the first session.

Family Life

- Please contact the MB Counselor for Class 1 or Class 2 (see MBC Counselor List)
- Requirement #3 – Start your home duty/chore log by **17 Nov 2018**. These logs will must be kept for 90 days and shown to the counselor at **Session 2 (23 Feb 2019)** to complete the merit badge.
- Requirement #4 – Decide on and carry out a project that you would do around the house that would benefit the family. **However, you must have prior approval of your parents/guardians and your merit badge counselor before attempting this project.** The Scout is to submit, for my review and approval, a written description of a project that can be carried out around the house that has the approval of the parent/guardian. A completed project, without my prior approval, it will not be accepted. Scout will need to submit a report to your merit badge counselor outlining how the project benefited the family. This will be covered in both sessions.
- Requirement #5 - The Scout is to submit, for my review and approval, a project that can be carried out around the house that has the approval of the parent/guardian. A completed project, without my prior approval, will not be accepted. Once you have my approval, plan and carry out a project that involves the participation of your family. This will be covered in both sessions of the College.
- After carrying out the project, discuss the following with your merit badge counselor: *Note: this needs to be different than that of requirement #4 as #4 deals with how the Scout's own work benefits the family and that #5 deals with how the Scout's family's work benefit the family.*
 - The objective or goal of the project

- How individual members of your family participated
- The results of the project

Note: approval is needed on both of these requirements prior to beginning the projects. Otherwise, no credit will be given.

Fire Safety

- Print the Fire Safety MB worksheet and bring it to MBC. You can print the worksheet at: <http://usscouts.org/mb/worksheets/list.asp>.
- Complete Requirement #6a. Draw a home fire-escape plan, and Conduct a home safety survey (you can find it at the end of the Fire Safety MB worksheet packet)
- Complete Requirement #12. Choose a fire safety - related career that interests you. Describe the level of education required, and the responsibilities of a person in that position. Tell why this position interests you.

First Aid

- 1. Satisfy your counselor that you have current knowledge of all First-aid requirements for Tenderfoot, Second Class, and First Class ranks. Scoutmasters can provide a signed note if you have completed First Class. For those who have not made First Class bring your signed Scout book to class.
- 2d. Prepare a first-aid kit for your home. Display and discuss its contents with your counselor. They can take a picture and e-mail it to me at cameron1520@verizon.net. At a minimum, the kit should contain the following and they all must be visible:

- Roller bandage, 2-inch (1)
- Roller bandage, 1-inch (2)
- Adhesive tape, 1-inch (1 roll)
- Alcohol swabs (24)
- Assorted adhesive bandages (1 box)
- Safety pins (12)
- Elastic bandages, 3-inch-wide (2)
- Scissors (1 pair)
- Sterile gauze pads, 3-by-3-inch (12)
- Moleskin, 3-by-6-inch (4)
- Gel pads for blisters and burns (2 packets)
- Tweezers (1 pair)
- Triple antibiotic ointment (1 tube)
- Pencil and paper
- Triangular bandages (4)
- Protective goggles/safety glasses (1 pair)
- Soap (1 small bar) or alcohol-based hand sanitizing gel (1 travel size bottle)
- Non-latex disposable gloves (6 pairs)
- CPR breathing barrier (1) Available in class \$1.00

- 7. Teach another Scout a first-aid skill selected by your counselor. This can be any First Aid skill from the Merit badge book using the EDGE method. It can be videoed and e-mailed to me or videoed on their phone and brought to the class.

Fish and Wildlife Management

- Complete requirement #5
- Complete requirement #7. Before starting requirement #7, Contact your counselor to discuss this requirement (see MBC Counselor Contact List)

Genealogy

- Complete requirement #2b
- Complete Requirement #3
- Complete Requirement #4b (i.e. Birth Certificate, Marriage Certificate, etc.)

Geocaching

- Print the Geocaching worksheet, found at this website: <http://usscouts.org/mb/worksheets/list.asp>.
- Fill out and complete Requirement #1

Landscape Architecture

- Complete Requirement #1
- Complete Requirement #5

Law

- Complete Requirement #1
- Complete Requirement #3
- Complete Requirement #5
- Complete Requirement #6
- Complete Requirement #9

Mammal Study

- Complete requirement #5
- Contact the merit badge counselor for approval prior to starting your project
- This requirement states that you must "Work with your counselor, select and carry out a project..." (see MBC Counselor Contact List).

Medicine

- No prerequisites for this merit badge

Model Design and Building

- For both sessions, Scouts should bring a printed copy of the latest merit badge worksheet with writing utensil and a desire to learn. The latest worksheet is at the link below. <http://usscouts.org/mb/worksheets/list.asp>.
- For the first session, review the 5 options in Requirement #4 with your parents and come up with at least two ideas for models you would build.
- Remember that for Requirement #3, you must make a plan of your model to proper scale and list materials and tools.
- After in depth discussion of the 5 model types, we will discuss and finalize your choice in the first session.
- Complete Requirement #6 on your worksheet.

Music

- No prerequisites for this merit badge

Orienteering

- No prerequisites for this merit badge

Personal Management

- Have chosen the item your family might want to purchase as referenced in Requirement 1. Be prepared to discuss this topic with your counselor at the first class. Your homework between the two classes will be to prepare the written plan and submit it at the beginning of the second class. This paper should be one to three pages in length.
- Start your 13 week budget in Requirement 2 by **17 Nov 2018**. The scout shall use the Sample Budget Plan and Tables format at the end of the workbook. The Scout will need to bring their budget to the first and second sessions.
- Read, familiarize yourself, and discuss with your parents, guardians, or scout leaders, the MB topics in Requirements 3 and 4 prior to arriving to the first class. Be prepared to discuss in class.
- Have chosen five publicly traded stocks as referenced in Requirement 5. Your homework between the two classes will be to research these five stocks as shown in class and submit the 1D, 5D, and 1Y graphs for each stock at the beginning of the second class.
- Requirements 6 and 7 will be discussed in class.
- Be prepared to write your "to do" list of tasks or activities as referenced in Requirement 8. Your homework between the two classes will be the referenced journal. The scout shall use the Sample "To-Do" Table format at the end of the workbook. We will review the journals and discuss the lesson in the second class.
- Have chosen the project referenced in Requirement 9 and be prepared to discuss. Your homework between the two classes will be to prepare the written project plan document and must be submitted at the beginning of the second class. This paper should be about three pages in length.
- Have chosen a career to research as reference in Requirement 10 and be prepared to discuss this topic with your counselor at the first class. Your homework between the two classes will be to prepare a brief outline of that career notating what you have learned about qualifications such as education, skills, and experience necessary to excel in that career. This written outline shall be submitted it at the beginning of the second class. This outline should be no more than one page.

Photography

- Bring your current, up-to-date Cyber Chip to the first session.
<http://www.scouting.org/cyberchip.aspx>
- Identify three career opportunities in photography. Be prepared to explain one that interests you, how to prepare for such a career, and what education and training is required.
- Bring a camera, we will be taking pictures during class.
- Bring a notebook and pencil (be prepared).

Radio

- RADIO Session 1
 - Please complete Requirement #1 {a, b, c, d}
 - Read merit badge book.
- RADIO Session 2
 - Please complete Requirement #3 {a, b, c} and #8.

Robotics

- No prerequisites for this merit badge

Scouting Heritage

- Requirement #5 - Complete #5 to report at session 2. Interview 2 people
- Requirement #6 - Bring a collection to session 2
- Requirement #7 - Complete or research #7 for 2nd session
- Requirement #8 - Complete #8 to report out at session 2 interview 2 people

Signs, Signals and Codes

Complete the following requirements at home. Bring the products of your efforts to the second session to show the counsellor:

- Requirement #5a - Either by sight or by touch, identify the letters of the braille alphabet that spell your name.
- Requirement #5b - Create a message in braille at least six words long and share this with your counselor.
- Requirement #7 - On a Scout outing, lay out a trail for your patrol or troop to follow. Cover at least one mile in distance and use at least six different trail signs and markers. After the Scouts have completed the trail, follow no-trace principles by replacing or returning trail markers to their original locations.
- Requirement # 9c - Give examples of your favorite 10 text symbols or emoticons. Then see if your counselor or parent can identify the meaning or usage of each symbol.
- Requirement # 10 - Make up your own secret code and write a message of up to 25 words using this code. Share the message with a friend or fellow Scout. Then share the message and code key with your counselor and discuss the effectiveness of your code.

Space Exploration

Obtain the merit badge pamphlet for this badge and read it. Please do prerequisites and bring it to the first session of the College. (Requirement #3 can be the 2nd session)

- Requirement #2. Design a collector's card, with a picture on the front and information on the back, about your favorite space pioneer. Share your card and discuss four other space pioneers with your counselor.
- Requirement #3. Build, launch, and recover a model rocket. *
- Requirement #5. Do TWO of the following:
 - a. Discuss with your counselor an unmanned space exploration mission and an early manned mission. Tell about each mission's major discoveries, its importance, and what we learned from it about the planets, moons, or regions of space explored.
 - b. Using magazine photographs, news clippings, and electronic articles (such as from the Internet), make a scrapbook about a current planetary mission.
 - c. Design an unmanned mission to another planet or moon that will return samples of its surface to Earth. Name the planet or moon your spacecraft will visit. Show how your design will cope with the conditions of the planet's or moon's environment.
 - Requirement #7. Design an inhabited base located on the Moon or Mars. Make drawings or a model of your base. In your design, consider and plan for the following:
 - a. Source of energy
 - b. How it will be constructed
 - c. Life-support system
 - d. Purpose and function

* - we will cover all other aspects of requirement #3 in class. We are typically not permitted to launch where MBC is held and the time constraints of building the rocket. I am willing and able in any way to help facilitate this.

Covered in class - Identify and explain the following rocket parts:

- A) Body tube B) Engine mount C) Fins D) Igniter E) Launch lug
F) Nose cone G) Payload H) Recovery system I) Rocket engine

Surveying

- No prerequisites for this merit badge
- Please dress warm you will be going outdoors

Sustainability

- Complete requirement #1
- Complete requirement #2:
 - Water - A section
 - Energy - either B or C

Weather

Due Session 2:

- Requirement #7: Please prepare 3 short paragraphs on paper about this topic. A paragraph is considered as 4-5 complete sentences!
- Requirement #8: This is a crucial concept to understand, please make sure you have notes that identify your understanding of this concept. Make sure you understand concepts like Equinox.
- Requirement #9A: We will review the instrument you need to create during session 1. The key ask is not only to build the instrument but also to keep a weather log for the week. Please be sure to use online resources to complete the log!! Bring the Instrument and your Log for Session 2.
- Requirement #10B: Please prepare 3 sort paragraphs of material. A paragraph is considered as 4-5 complete sentences!

Wilderness Survival

- Read the MB book and be familiar with the material. The course material taught in class will expand the subject matter in the book.
- To demonstrate an understanding of the knowledge in the MB book, bring a day pack that is properly packed for a long day hike with items you would want to have if an emergency occurred and the day hike turned into an overnight trip. What would you eat? What would keep you warm and dry? What would help you signal for help?
- Build a survival kit. For perspective, the kit should be something the Scout carries in their day pack when hiking in the wilderness. Bring as many items as you can. Consider reuse of items for multiple purpose. Assume that these are the items you would want to have if the outing turned out to be overnighter, unexpectedly.