

AREA 1
2013 MERIT BADGE COLLEGE
CLASS PREREQUISITES
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 Merit Badge College.
- 2) In this packet you will find the requirements and prerequisites for all the merit badges that are offered at the Area 1 Merit Badge College. Often requirements for merit badges are changed by the Boy Scouts of America. It is the responsibility of every Scout attending the Merit Badge College 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: www.meritbadge.org
- 4) Past 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.
- 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 MB College session. This accommodation is necessary due to large class sizes during the College and in order 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 Wilmington Scout Shop or Dover Army/Navy Store runs out they can reorder in time. It takes a week and a half to get books in, so don't wait to last minute.

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Art

- No prerequisites for this merit badge

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 from http://meritbadge.org/wiki/index.php/Automotive_Maintenance & bring it with a pencil
 - 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/write values of three vehicles, a new one and used – including costs of ownership/ gas/ insurance for a new driver.
 - Research/write about three career opportunities in the auto industry.
- Note: While parts will cost more than a few dollars, the total cost will be less than having a garage complete all these tasks.

Aviation

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

Bird Study

- Do Requirement #2 sketches.
- Be able to identify at least 20 species of birds or complete as much of the worksheet as possible.

Bugling

- Practice the 15 required calls. The calls may be heard at the following link <http://www.fas.org/man/dod-101/sys/land/bugle.htm>
- To complete this badge by the second session you must serve as a bugler within your Troop for 3 months (Req. 6)
- Scout must have a Bugle, Cornet or Trumpet to bring to the classes and to practice with at home.

Chemistry

- Make a cartesian diver and bring it with you (Instructions can be found on the web)

Cinematography

- Complete Requirement #2b.

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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

- Have your workbook
- Complete items 1, 3a, 3b, 4. 5c, 7
- Read through the workbook to familiarize yourself with the topic
- Come prepared to discuss this topic

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.

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Collections

- Prepare a short written report or outline for your counselor, giving a detailed description of your collection,* including a short history. Be sure to include why you chose that particular type of collecting and what you enjoy and have learned from your collection.
- Do the following:
 - a) Discuss with your counselor at least 10 terms commonly used in your collection and be prepared to discuss the definition of each.
 - b) Show your counselor 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 your counselor is unable to view your collection directly, photographs should be available to share.)
 - c) Explain how your collection is valued by other collectors and display to your counselor 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

- (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.

Computers

- Complete requirement #2. It should be a full page paper on the history of the computer.

Crime Prevention

- Complete requirement #2
- Complete requirement #7a or #7b

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Dog Care

- Begin requirement #4 by 12/01/10. 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.

Drafting

- Complete requirement #1
- Complete requirement #5
- Be prepared for requirement #6
- Please dress warm because you will be going outdoors
- Please bring mechanical pencil, plain white paper, straight edges, triangles, etc.

Electricity

- Complete requirement #2
- 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 Prep.

- No prerequisites for this merit badge

Energy

- Bring two sources of energy to first session.

Engineering

- Complete Requirements #1, #2, #4, and #8 after reading the Merit Badge Pamphlet.
- Requirements #1, #2, & #4 can be done between sessions.
- The Scout is to do Requirements #5, #6 and #9 between the first and second sessions.
- Please do not attempt requirements #5 & #6 before the first session.

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Entrepreneurship

- Complete requirement #2 and be prepared to discuss in class.
- Be prepared to discuss & start requirements #5 & #6.
- If you bring in your product that you want to market. If not, it may take you longer to complete the badge.

Family Life

- 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.*

Fingerprinting

- No prerequisites for this merit badge

Fire Safety

- To be determined

First Aid

- Complete First Aid Requirements for Tenderfoot, Second Class, and First Class ranks
- Prepare a basic first aid kit for your home and bring it with you to the College. You will discuss its contents in class.

Fish and Wildlife Management

- Complete requirement #5
- Complete requirement #7
- Before starting requirement #7, Contact your counselor to discuss this requirement (Bruce Lantz, 302-378-8469)

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Genealogy

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

Geocaching

- No prerequisites for this merit badge

Insect Study

- No prerequisites for this merit badge

Inventing

- This badge requires a significant amount of work to be done outside of class. Classroom attendance alone is not sufficient for completing the badge.
- Scouts must read and understand the general Merit Badge College prerequisites as outlined on the first page of this packet. In particular, Scouts must have a copy of the merit badge book, Scouts must receive counselor approval before starting on their invention project (Requirement 7), and Scouts will be required to submit written answers to all "discuss with your counselor" type requirements.
- Written answers to questions need to be in the Scout's own words. Responses that have been "cut and pasted" from Wikipedia, etc., will not be accepted.
- Written answers will be accepted the first classroom date (January 7), between the classes (by email or paper mail), and on the second classroom date (Feb 25). Completion of requirements after the College concludes must be approved by the counselor.
- For Requirement 3c, Scouts will be required to locate information via the internet (web addresses will be provided). Scouts must have computer access at home, school, or the public library.
- For Requirement 3c, Scouts may substitute a household tool or kitchen gadget for the camping item mentioned if they are unable to find a camping item with a patent number on it.
- Scouts are requested to bring to the first classroom session (January 7) an invention proposal as per Requirement 6.

Law

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

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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..." (Bruce Lantz, 302-378-8469).

Medicine

- No prerequisites for this merit badge

Model Design and Building

- No prerequisites for this merit badge

Orienteering

- No prerequisites for this merit badge

Personal Management

- Start your Three Month budget by 11/23/2012. The Scout will need to bring their budget to the first and second sessions.
- The Scout needs to have his occupation paper completed and brought to the second session of the College. This paper should be about one page in length.

Photography

- Bring a Point & Shoot Camera to Class for Sessions 1 and 2 (Digital Camera or Film Camera is acceptable)
- Take an entire roll of pictures, have them developed (or an equivalent number of pictures on a digital camera and print them off) and bring them with you to the second session.

Plumbing

- Complete requirements #1a, b, and c in writing.

Pulp and Paper

- Complete requirement #7

Radio

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

Railroading

- No prerequisites for this merit badge

Robotics

- No prerequisites for this merit badge

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Safety

- Discuss with your Scoutmaster;
 - And plan a safety project (requirement #6) that can be completed between Sessions 1&2. Preferably in your home, school, community, or church.
 - Stories of accidents in home or crimes against families; collect facts showing the frequency of accidents and crimes in your State.
- Write a paragraph or more explaining how life could be changed by a fire, accident, and crime.

Salesmanship

- Bring information on your Troop's last fundraising efforts. Be prepared to discuss how you helped and how the accounting was kept and how well you did in comparison to other Scouts as we will see what worked and what did not.
- For Scouts ages 11-15: Prepare a sales plan for selling some type stereo system.
- For Scouts ages 16-17: Prepare a sales plan for selling an auto manufacturer of your choice. Be sure to include the pre-planning steps (type of research, marketability of product, sales approach & presentation.
- Prepare a resume for a sales position that you would like to pursue.
- Be prepared to discuss opportunities in the sales field.
- Please complete Requirement #6 if possible.

Scouting Heritage

- Complete requirement #4a or 4b.

Space Exploration

- Complete requirement #2. Collector's card about your favorite space pioneer.
- Complete requirement #3. Build, launch, and recover a model rocket.
- Complete 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

Surveying

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

Textiles

- Complete requirement #2a
- Complete requirement #2b
- Complete requirement #3

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Traffic Safety

- No prerequisites for this merit badge
- But recommend completing as many of the requirements as possible before first session.

Veterinary Medicine

- Complete requirement #6 and bring your report to class.

Weather

- No prerequisites for this merit badge

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 in the event that 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.