

## MERIT BADGE/MBC QUALIFICATIONS MATRIX

<b>Merit Badges</b> <i>Eagle Required MBs listed first</i>	<b>Examples of some Ideal Qualification Guidelines</b> (Note: Aquatics, Climbing & Shooting Sports have specific <b>certifications</b> required by GTA and Longhouse council & require approval from special committee)
<b>Camping</b>	Experienced in 4 season camping & outdoors cooking with lightweight stoves. Knowledgeable in Leave No Trace principles, camp sanitation, map reading, wilderness first aid.
<b>Citizenship in Nation</b>	Social Studies/History Teacher, or Active participant in Government at local state or national level, Degree in Government or related field
<b>Citizenship in Community</b>	Social Studies/History Teacher, or Active participant in Government at local state or national level, Degree in Government or related field
<b>Citizenship in World</b>	Social Studies/History Teacher, Active participant in Government at local state or national level, Degree in geography, government or related field, World travel
<b>Communications</b>	Communications or English teacher; experience as Toastmaster; Broadcasting, public speaking background. Writing and editing experience valuable.
<b>Cooking</b>	Professional cook, cooking experience, culinary training or degree ideal, outdoor & trail cooking experience required
<b>Cycling</b>	Active Cyclist with experience in road <u>and/or</u> off-road cycling (based on which option they wish to counsel)
<b>Emergency Preparedness</b>	First Responder experience (Police, Fire, Rescue), Formal Emergency Preparedness training, Medical Training.
<b>Environmental Science</b>	Degree or work experience in Ecology, Biology or related field
<b>Family Life</b>	Parenting experience
<b>First Aid</b>	Medical degree (MD, NP, PA, RN), formal First Aid Training, EMT or Rescue training or work experience.
<b>Hiking</b>	Active Hiker with experience in both short distance and long term, long-distance wilderness hiking.
<b>Lifesaving</b>	Swim Safely Defense required, 21 years of age, active swimmer with BSA/Red Cross Life guard certification. <b>Specific Council certifications for Lifesaving MBC</b> (See Longhouse MBC Regs)
<b>Personal Fitness</b>	Phys Ed Teacher, Coaching background, Physical Trainer
<b>Personal Management</b>	Work as Financial Planner, CPA, Auditor; Business Administration or Financial training or experience in finance, investment & personal management.
<b>Sustainability</b>	Degree or experience in Resource Management, Ecology, recycling, waste management, energy management
<b>Swimming</b>	Swim Safely Defense required, 21 years of age, active swimmer with BSA/Red Cross Life guard certification. <b>Specific council certifications for Swimming MBC</b> (see Longhouse Council MBC Regs)

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American Business	Degree in Business Administration or relevant work experience in creating or managing a business
American Cultures	Knowledge of a variety of cultural, religious & ethnic groups and their traditions in the US
American Heritage	Degree in American History or related field, Membership and active participation in Historical Association, VFW, DAR or similar organization
American Labor	Degree or experience in Labor Relations or related field, union representation
Animal Science	Degree in Animal Science or Animal Husbandry, experience in livestock farming
Animation	College or informal training in skills of animation. experience in various types of animation, access to animation equipment & software
Archaeology	Degree in Archaeology or related field, Experience working in a museum or at an archaeological site.
Archery	<b>Specific certifications to be an Archery MBC</b> (see Longhouse Council MBC Regs)
Architecture	Degree or work experience in Architecture or related field
Art	Formal training in Art or Art Education, experience as a commercial or fine artist
Astronomy	Degree in Astronomy, science education, or related fields, experience using telescopes & observing the heavens.
Athletics	Training/experience as a Physical Education teacher or Coach
Automotive Maintenance	Experience in Auto Maintenance
Aviation	Certified pilot, pilot training, education in Aeronautical engineering or related field, model airplane experience
Backpacking	Experience backpacker/hiker with wilderness camping experience. Wilderness first aid a plus.
Basketry	Training & experience as a Basket maker
Bird Study	Formal training in Biology related field or an avocation for & experience in Bird Watching
Bugling	Experience as a bugler or trumpet player.
Canoeing	Experienced Canoist <b>Specific certifications to be an Canoeing MBC</b> (See Longhouse MBC Regs)
Chemistry	Chemistry or Science Teacher or work experience in a chemistry related field.
Chess	Experienced chess player
Climbing	Experience & training in Climbing skills. BSA Climb on Safely training. <b>Specific certifications to be an Climbing MBC</b> (See Longhouse MBC Regs)

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Coin Collection	Active Numismatist
Collections	Active collector of antiques or other collectibles
Composite Materials	Degree in Materials Engineering, Chemistry or related field, Work experience in composite materials production
Crime Prevention	Degree in and/or work experience in Law Enforcement or related field
Dentistry	DDS or Dental Assistant degree
Digital Technology	Employment or Experience using a wide variety of Digital Technologies, including computers, digital cameras, scanners, mobile devices, and the internet. Ability to use a variety of applications for a variety of functions
Disability Awareness	Experience providing services for individuals with disabilities, having a disability or family member with a disability.
Dog Care	Training or experience in Veterinary care, experience in care of dogs
Drafting	Training and/or experience in various forms of drafting (paper & CAD). Should have access to CAD software for scout use.
Electricity	Work experience as an electrician or electrical contractor
Electronics	Work experience or training in electronics, digital electronics or electrical engineering
Energy	Work experience or education in the field of energy management. Familiarity with various forms of energy generation.
Engineering	College education or work experience in Engineering field
Entrepreneurship	Experience in starting your own business, Education or experience in Business Administration
Exploration	Experience in exploration, expedition planning , preparation & participation.
Farm Mechanics	Trained Farm Mechanic or experience in operation & maintenance of farm equipment.
Fingerprinting	Employment in or Experience in Law Enforcement
Fire Safety	Degree, formal training and experience as a Fireman or Volunteer Fireman
Fish & Wildlife Mgmt.	Degree in Wildlife or resource management, work experience in this field, advocacy work in fish & wildlife conservation
Fishing & Fly Fishing	Experienced Fisherman/Fly Fisherman
Forestry	Forestry, Forestry Biology, or degree or related field, work experience in forest management.
Game Design	Experienced game player, experience designing games preferred

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Gardening	Formal Training in Horticulture ideal, experience in gardening
Genealogy	Experience in doing genealogical research
Geocaching	Experience in Geocaching & use of a GPS
Geology	Degree or work experience in Geology, Earth Sciences or related field
Golf	Experienced golfer
Graphic Arts	Experienced Graphic Artist w/access to facilities for requirements 3 & 4
Home Repairs	Experience in performing basic home repairs (electrical, plumbing, carpentry, etc)
Horsemanship	Experienced equestrian
Indian Lore	Knowledge of Native American history & culture
Insect Study	Degree in Entomology, Biology or related field. Experience collecting insects.
Inventing	Degree in Engineering, experience as an inventor
Journalism	Degree or Work experience in Journalism either print, online, radio or video
Kayaking	Experienced Kayaker. <b>Specific certifications to be an Kayak MBC</b> (See Longhouse Council MBC Regs)
Landscape Architecture	Degree in or work experience in Landscape architecture
Law	Law Degree or experience working in a law firm or law enforcement.
Leatherwork	Experience in the craft of leather working.
Mammal Study	Degree or training in Biology, Animal Science, Wildlife management or related field.
Medicine	Medical degree (MD, NP, PA, RN, Pharmacy)
Metalwork	Experience in the craft of metalworking.
Mining in Society	Degree in Mining Engineering or related field, work in the mining industry
Model Design & Building	Experience in modeling & model building as work or a hobby
Motorboating	21 years of older, Completion of Safety afloat, Experience and knowledge of power boating principles <b>Specific Council Certifications for Motorboating MBC</b> (See Longhouse Council MBC Regs)
Moviemaking	Degree in Cinema or related field, Experience in movie or television production.
Music	Degree in Music and/or experience playing a musical instrument
Nature	Degree in Biology, Natural history or related field. Experience finding and identifying plants & animals

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Nuclear Science	Degree in Physics or Nuclear Engineering, Work in Nuclear Plant, Understanding of nuclear energy & related concepts. Access to nuclear materials & equipment.
Oceanography	Degree in Oceanography, related field or work experience in the field.
Orienteering	Experience in Orienteering, creation & running Orienteering courses.
Painting	Experience in commercial or residential painting, or home maintenance
Pets	DMV, Veterinary Medicine training or work experience, work experience in pet care field, work at an animal shelter.
Photography	Experienced photographer either professionally or as a hobby.
Pioneering	Experience in Pioneering (building of structures with poles, rope and knots)
Plant Science	Degree in Botany, Horticulture, Agronomy or related field, experience growing plants
Plumbing	Training as licensed plumber, experience working as a plumber.
Pottery	Degree in Art, Ceramics or experience as a potter or sculptor.
Programming	Degree in IT or related field, experience in computer programming.
Public Health	Public Health Administrator, Doctor, Nurse or other Health Care Provider, Degree in Health care subject area
Public Speaking	Experience in Public Speaking, communications, knowledge of parliamentary procedure
Pulp and Paper	Degree in Paper Engineering or work experience in paper industry or paper making
Radio	Licensed Amateur Radio operator or experience in radio design & operation
Railroading	Work in railroad industry or railroading as a hobby (Model railroading or rail fanning)
Reading	English, Elementary education, or Library science degree, or experience in a library
Reptiles & Amphibian Study	Degree in Biology or Animal Science, or experience with care of reptiles & amphibians, Veterinarian science training
Rifle Shooting	<b>Specific certifications to be an Rifle Shooting MBC</b> (See Longhouse MBC Regs)
Robotics	Degree in robotics or experience in the design & building of robots
Rowing	Experienced Rower, <b>Specific certifications to be an Rowing MBC</b> (See Longhouse Council MBC Regs)
Safety	Degree or work in the field of Public Safety, Law Enforcement or related field
Salesmanship	Work experience as a salesperson

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Scholarship	Experience in field of Education
Scouting Heritage	Familiarity with the history of the Scouting Movement
Scuba Diving	<b>Specific certifications to be an Scuba MBC</b> (See Longhouse MBC Regs)
Sculpture	Degree or formal training in Art or experience as a sculptor.
Search & Rescue	Training and experience as a first responder or in a search & rescue team
Shotgun Shooting	<b>Specific certifications to be an Shotgun MBC</b> (See Longhouse Council MBC Regs)
Signs, Signals & Codes	Knowledge/Experience with codes (Morse, semaphore, braille), signaling & cyphers
Skating	Experienced ice, roller or in-line skater
Small Boat Sailing	Experienced sailor (non-motorized) with knowledge of seamanship & various types of small sailboats. <b>Specific certifications to be an Small Boat Sailing MBC</b> (See Longhouse Council MBC Regs)
Snow Sports	Experience in downhill skiing, country skiing, snowboarding or snowshoeing.
Soil & Water Conservation	Degree in Resource Management or related field, or work experience in soil & water conservation, water management
Space Exploration	Knowledge of the field of Space Exploration from work experience or as a hobby (model rocketeer)
Sports	PhysEd teacher, trainer or coach
Stamp Collecting	Active Philatelist
Surveying	Degree in Surveying, Mapping, GIS or work experience as a surveyor
Textile	Experience in use or production of textiles as a profession or hobby
Theater	Degree or experience in Theater in production or as an actor
Traffic Safety	Degree or work experience in Traffic Safety,, Public Safety or Law enforcement
Truck Transportation	Work experience in field of Logistics & Truck Transportation
Veterinary Medicine	DMV, Veterinary Medicine training or work experience,
Water Sports	<b>Specific certifications to be an Water Sports MBC</b> (See Longhouse Council MBC Regs). Current Safe Swim Defense Training (valid for 2 yrs) required. Experience in waterskiing and/or wake boarding. CPR & First Aid are a plus.
Weather	Degree in Meterology, Earth Science or related field, work experience in the field or as an experienced weather observer.
Welding	Work experience as a welder

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Whitewater	Experienced in White water (kayaking, canoeing, rafting), <b>Specific certifications to be a Whitewater MBC</b> (See Longhouse Council MBC Regs)
Wilderness Survival	Experience camping & hiking in the wilderness, knowledge of survival skills
Wood Carving	Experience in the craft of woodcarving
Woodwork	Work/hobby experience as a carpenter or woodworker.