



# Welcome

Welcome to the UCM Merit Badge University & Aviation Encampment.

The UCM Merit Badge University & Aviation Encampment is a unique MBU offered at the University of Central Missouri Campus and surrounding areas. This event is unique from other MBUs in that we offer a full weekend program and campout rather than a single day event. Scouts will camp Friday and Saturday night at the Johnson County Fairgrounds, adjacent to a fully functioning airport near Warrensburg, Missouri.

MBU Coordinators utilize the expertise of actual University Professors and staff, local career professionals, and University students to offer more than 20 merit badges to Scouts attending the event. The aim and goal of the UCM MBU is to expose young men and women to various career fields in a hope that this exposure may spark an interest in these young men and women in a specific profession. It is at events like this that future police officers, aviators, lawyers, doctors, nuclear scientists, and architects are born.

The weekend is full of learning and fun as Scouts attend various merit badge classes and participate in demonstrations geared toward adding to what the Scouts spend the day learning. Scouts will even have the opportunity to participate in a “Discovery Flight” where they will take a 20 minute airplane ride in a Cessna single propeller aircraft. The overall theme of the weekend is that of aviation, however, Scouts explore a wide variety of career fields.

Join us in a weekend of learning and exploring. We work hard to put together a quality program with enthusiastic and knowledgeable instructors to provide the best MBU possible. We look forward to see you and hope that we put together an event that will be one of the highlights of every boy and girl’s scouting career.

Yours in Scouting,

A handwritten signature in black ink, appearing to read 'J. Gilbert', written in a cursive style.

Jason T Gilbert  
Coordinator/Director  
2020 UCM Merit Badge University and Aviation Encampment

## Location of Event

The UCM Merit Badge University and Aviation Encampment is held April 17-19, 2020 at the Johnson County Fairgrounds, 386 NW 145<sup>th</sup> Rd, Centerview, MO 64019. The fairgrounds sit adjacent to University of Central Missouri's Max B Swisher Skyhaven Airport. Classes are held at the fairgrounds, airport, at various classrooms on the University campus, and various other locations in and around Warrensburg. Transportation is provided to classes.

## Directions

The Johnson County Fairgrounds is located on US 50 Highway, approximately 50 miles east of Kansas City, MO and 4 miles west of Warrensburg, MO. Access to the fairgrounds is gained by traveling north on NW 361<sup>st</sup> Road and then back to the west on NW 145<sup>th</sup> Rd. Signs on 50 Highway, near the fairgrounds, will assist you in locating the turn to the fairgrounds.





## Permission Forms

All Scouts and Adults attending the 2020 UCM Merit Badge University and Aviation Encampment must complete and turn in the **“UCM Liability Form”** located on the Event Downloads/Forms page of the website ([www.warrensburgmbu.com](http://www.warrensburgmbu.com)). They must be turned in at the time of registration on Friday night. Anyone without a form will not be allowed to participate in the event (sorry, the lawyers have spoken). Also, all scouts planning on participating in the optional airplane flight will need to bring a signed **“UCM Flight Liability Form”** with them. These will be turned in, along with the \$30 flight fee, at the time of registration on Friday night as well.

## Merit Badge Sign Up

Logins for the website, with a link, will be sent to Troop Scoutmasters/Registration leaders on February 17<sup>th</sup>. Class sign up will open at 7:00 pm on March 6th. At that time you will be able to log in and sign your Scouts up for merit badge classes. Some classes have pre-reqs on age and all have maximum class sizes. Please watch to make sure you are not signing boys up to be in two places at the same time. You will get an email confirmation on each Scout. Just remember, space is limited in every class, so sign up quick.

## Meals

Troops are responsible for their own meals, except for lunch on Saturday. At lunch time, look down at your feet. If they are on the Airport or Fairgrounds, you will be eating at the Fairgrounds. If they are anywhere else, you will be eating at the University or Golf Course if you are in Golf Merit Badge. Lunch at the Fairgrounds will be provided. Everyone else will eat at Ellis Dining Hall or the Golf Course at a reduced rate (amount to follow). Have the money in your pocket (**exact change please**), as you will each pay individually when you arrive at Ellis. Those in Welding will need to bring a sack lunch.

Here is a preliminary quick list of Merit Badges and where those attending during 1<sup>st</sup> block will eat. A full list will follow once all class locations are finalized.

Fairgrounds: Aviation, Fingerprinting, Horsemanship, Trail to First Class, others will be as well.

Ellis Dining Hall: Crime Prevention, Digital Technology, Fire Safety, First Aid, Law, Medicine, and Veterinary Medicine

Sack Lunch: Welding

Golf Course: Golf



Other meals will be cooked by your Troops in your campsites. Please remember, there are to be **NO CAMPFIRES** in your campsites. We will be camping at the Fairgrounds and we don't want any accidents. Meals will need to be prepared on gas cook stoves. Above ground charcoal grills are permitted as well, but no ground charcoal fires.

# Friday Night Check In

All Scouts and adults attending this year's Encampment must be present at the Friday night opening meeting. This meeting is important due to the fact we will cover several safety precautions and rules for the event. We will be camping near and attending classes on an airport, so it is vital that Scouts be informed of the dos and don'ts for the weekend (it's an insurance thing). This safety briefing will be held Friday night at 8:30pm.

A Troop leader from each Troop will need to sign in and register their Troop at the Headquarters Building when they arrive. Signs and staff will direct you. **Every troop must bring their permission slips, flight fees, camping fees, and an updated roster of all those in attendance (adults and scouts).** At that time you will be assigned a campsite area and your Troop can begin to set up camp. Some of you are coming from quite a distance, therefore arrangements with the Warrensburg Fire Department have been made to have some portable lighting set up to help with anyone setting up after dark.

## Flights

Those Scouts that have signed up for the Aviation Merit Badge and have indicated they wish to fly will be given that opportunity at the event. Flight times will be scheduled during the Merit Badge class time. Each flight will be about 20 minutes in length and there will be 3 Scouts in each plane. An exhaustive search was done, however, no planes with three co-pilot seats could be found. Soooo, only one boy will be able to sit up front with the pilot. When the group lines up to board the plane, they will be asked if they have reached an agreement on who will ride up front. If more than one wishes to ride in front, a "lottery" will be done. This is the fairest way to do this. Once the seating order has been established, the boys will load and take their flight. Please prepare your boys for this. Due to safety concerns we will not be able to tolerate any problems, because of disappointment, on the flight line. If we could take every boy up in the front seat we would, but that would get expensive and time just doesn't permit.

The University has offered to allow for a second morning of flights!! What this means is that those Scouts who do not take Aviation Merit Badge will also have an opportunity to fly if they choose! Flights will be conducted in the same fashion as listed above at the same fee. Sign ups for this opportunity will be conducted just like signing up for a merit badge.

## Blue Cards & Badge Worksheets



Blue cards will be provided by the event staff! They will be divided and sent out to the merit badge councilors, completed, signed, and returned to you at the time of check out.

Please have your boys bring the worksheet associated with the badge they are taking. Some of the councilors have planned on using them for their classes. Everyone needs them! They can be found online at <http://www.boyscouttrail.com/boy-scouts/bsa-merit-badges.asp>. Also, everyone needs to bring paper and a writing utensil.

## Saturday Night Events

Several fun events are scheduled for Saturday after dinner. The Fire Department will be on hand and Scouts will have the opportunity to use a fire hose and experience the power of a 2" line. An Ambulance demonstration, Police K9 demonstration, etc may also be available to participate in. We will also have a campfire with a special speaker. It should be a fun time! Bleachers may not be available, so everyone needs to bring a lawn chair of some sort if you don't want to sit on the ground!!

## Adding Additional Scouts to Your Roster

There are times when it may become desirable for Troops to add additional Scouts to their original numbers they provided at the time of Troop Registration. Some may have a better than expected Troop size increase with Cub Scouts crossing over in the coming months. If you find you are in need of trying to bring more than you originally registered with, please contact the MBU before you enroll them in classes. Class space is not the only obstacle to overcome; consideration must also be made for camping space and tents. We will do our best to accommodate extra Scouts, but this needs to be coordinated please.

## Download/Forms Section of Website

Regular updates will be available in this section to the website. Please take some time to have a look. This page will have a lot of information for you to better prepare you for the event. You will find a PDF download for the liability forms that must be turned in at check-in. You will also find an updated schedule of classes that will help you in planning what classes the boys would like to take. A schedule of events and everything you will need for your Tour Permits (flight plans, insurance, etc). Please note there is a BSA Flight Liability Form for download. This form is a form that BSA requests be turned in with your tour permits. The MBU does not need a copy of this, as UCM has their own liability forms. Have a look, there's some good stuff there.

## Check Out Procedures

Anyone leaving the Encampment property, not on a bus or form of transportation provided by the Encampment, will need to sign out at HQ before leaving. When Troops are ready to check out on Sunday morning, check out will be done at HQ. At this time you will receive your blue cards and other items.

# Class Descriptions

## 2020 UCM Merit Badge University & Aviation Encampment

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- Aviation** For most of history, people have dreamed of flying, imagining how it would feel to soar through the sky like an eagle or hover in midair like a hummingbird, to float on unseen currents, free of Earth's constant tug, able to travel great distances and to rise above any obstacle. Today, through aviation, we can not only join the birds but also fly farther, faster, and higher than they ever could. Participants will have the opportunity to participate in a "Discovery Flight" where scouts will fly in a Cessna single propeller type aircraft.
- Automotive Maintenance** Modern automobiles are important to many aspects of American life. Those who service automobiles must understand each principle, and how these principles interact to provide smooth, efficient performance. Owners of cars also benefit by understanding how their vehicles operate. This enables them to understand why certain periodic maintenance is required to keep their vehicle in tip-top shape.
- Chess** The Chess Merit Badge has quickly become one of the most popular badges in the Boy Scouts of America merit badge catalogue, with more than 100,000 Scouts earning the badge since it was introduced in September 2011. Out of the 130+ badges available, the Chess Merit Badge is undoubtedly one of fastest-growing badges available.
- Crime Prevention** Preventing crime, which can be as simple as reducing the opportunities for crime to occur, is far less costly than apprehending and bringing legal action against those who break the law and it helps save people from the anguish of being victims.
- Digital Technology** Technology has come a long way since Computers merit badge was first introduced in 1967. This badge will teach Scouts about technology in the digital age.
- Electricity** Electricity is a powerful and fascinating force of nature. As early as 600 BC observers of the physical world suspected that electricity existed but did not have a name for it. In fact, real progress in unraveling the mystery of electricity has come only within the last 250 years.
- Electronics** Electronics is the science that controls the behavior of electrons so that some type of useful function is performed. Today, electronics is a fast-changing and exciting field.

- Fingerprinting** In earning the Fingerprinting merit badge, Scouts will learn about and use an important technique that is used by law enforcement officers, along with other materials like matching dental records and DNA sampling, to help identify amnesia victims, missing persons, abducted children, and others.
- Fire Safety** The ability to use fire safely is essential to human survival. By earning this merit badge, Scouts will learn to use fire safely and responsibly, how to prevent home fires, and how to handle fire safely, as well as burn prevention, and camping safety.
- First Aid** First aid — caring for injured or ill persons until they can receive professional medical care — is an important skill for every Scout. With some knowledge of first aid, a Scout can provide immediate care and help to someone who is hurt or who becomes ill. First aid can help prevent infection and serious loss of blood. It could even save a limb or a life.
- Golf** Golf is unique because the players police themselves. Other sports depend upon referees or umpires to apply penalties when there are infractions of the rules. In golf, every player is expected to act honorably, and the welfare and integrity of the game rely on every player's honesty. This is why golf often is referred to as a "gentleman's game."
- Horsemanship** In addition to learning how to safely ride and care for horses, Scouts who earn this merit badge will gain an understanding of the instincts and behaviors of horses and humane and effective methods for training horses.
- Law** Earning this merit badge enables a Scout to learn about the history and kinds of laws, the purpose and methods of law enforcement, consumer protection agencies, emerging law, and careers in the legal profession. Participants will have the opportunity to be a part of a mock trial.
- Medicine** The practice of medicine has a rich history that spans several centuries. Since the first use of plants and other items as simple medicines and balms, many men and women have contributed to the advancement of the "healing arts." Scouts taking this badge will get the opportunity to practice sutures on a pig leg.
- Nuclear Science** Nuclear science gives us a simple explanation of the natural world. The ultimate goal of nuclear science is to find out if there is one fundamental rule that explains how matter and forces interact. Earning the Nuclear Science merit badge is a chance for Scouts to learn about this exciting field at the cutting edge of science today.
- Radio** Radio is a way to send information, or communications, from one place to another. Broadcasting includes both one-way radio (a person hears the information but can't reply) as well as two-way radio (where the same person can

both receive and send messages). Scouts participating in this merit badge will work with an amateur radio group and may get to talk to people on the other side of the world.

**Search & Rescue**

Assisting the lost and confused is the aim of the Search and Rescue merit badge. The badge shows Scouts how to find search subjects, bring them to safety and avoid becoming lost themselves.

**Totin' Chip**

This certification grants a Scout the right to carry and use woods tools.

**Trail to First Class**

The Trail to First Class program is designed for boys who have just begun Scouting and are working toward the rank of First Class. The program centers around the outdoor requirements for Tenderfoot, Second Class and First Class. The Staff will work with each boy on basic Scouting skills during one all day session. Skills covered will include First Aid, Knots and Lashings, and Compass Skills and Orienteering. **Scouts will practice skills at TTFC, but ultimately it remains the Scoutmaster's right and responsibility to sign off on completion of a rank requirement. A record of all skills completed will be given to the Scout and to the Scoutmaster at the end of the session.**

**Traffic Safety**

Staying safe in traffic wherever you live is getting more difficult all the time, as more and more people take to the road. Earning the Traffic Safety merit badge and will give Scouts some crucial tools to stay safer, when driving a car on a highway, riding a bike across town, or jogging across a busy street.

**Veterinary Medicine**

The field of veterinary medicine in the 21st century is one of the most exciting medical professions in which to work. The skills of a veterinarian are practiced with cutting-edge technology and treatment options, and the profession offers a wide range of career choices.

**Welding**

Opportunities in the welding field are endless, and Scouts earning their welding merit badge can not only explore the fundamentals of welding, but also learn about the different career paths within the industry.

# Class Schedule

## 2020 UCM Merit Badge University & Aviation Encampment

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Saturday Class Schedule				
Classes	8:30 am - 11:00 am	Lunch	12:30 pm - 3:00 pm	3:30 pm - 6:00 pm
Aviation	Aviation			
Automotive Maintenance			Automotive	
Chess	Chess			
Crime Prevention 1	Crime Prevention 1			
Crime Prevention 2				Crime Prevent 2
Digital Technology	Digital Tech			
Electricity 1	Electricity 1			
Electricity 2				Electricity 2
Electronics	Electronics			
Fingerprinting 1			Fingerprinting 1	
Fingerprinting 2				Fingerprinting 2
Fire Safety 1	Fire Safety 1			
Fire Safety 2			Fire Safety 2	
First Aid	First Aid			
Golf	Golf			
Horsemanship	Horsemanship			
Law	Law			
Medicine	Medicine			
Nuclear Science 1				Nuclear Science 1
Radio			Radio	
Search and Rescue			Search and Rescue	
Trail to First Class	Trail to First Class			
Traffic Safety 1	Traffic Safety 1			
Traffic Safety 2			Traffic Safety 2	
Traffic Safety 3				Traffic Safety 3
Veterinary Medicine	Vet Medicine			
Welding	Welding			Late Return

2020 UCM Merit Badge University & Aviation Encampment	
Sunday Class Schedule	
Classes	8:30 am - 11:00 am
Airplane Flights	Flights
Fingerprinting 3	Fingerprinting 3
Nuclear Science 2	Nuclear Science 2
Crime Prevention 2 (2nd Day)	Crime Prevention 2
Electricity 2 (2nd Day)	Electricity 2
Totin' Chip	Totin Chip
Horsemanship Weather Make up	If Needed

# Schedule of Events

## Schedule of Events 2020

	April 17	April 18	April 19
Time	Event	Event	Event
7:00		Revile	Revile
7:45		Flag & Formation	Formation & Chapel (bring all gear & supplies)
8:30-11:00		Block 1	Block 4 (Ends at 11:00 am)
11:00-12:00		Lunch	08:30 - 12:00 Sign-out with Camp Coordinator for records of attendance prior to departing.
12:30-15:00		Block 2	
15:30-18:00		Block 3	
18:30-20:30	Check-in opens @ 16:00	Dinner & Troop Time	
20:30-22:30	Opening Ceremony and Safety Briefing (Overview of Events, Safety Precautions & Procedures, etc)	Special Activities	
		Campfire (21:00)	
23:00	Lights-Out	Lights-out	

## Merit Badge Pre-Requisites

Please review the pre-req list on the download page of the website and make sure your Scouts have completed any pre-reqs listed. Also, make sure your Scouts bring whatever special equipment or money that may be required for their badge. Some require long pants, safety glasses, close toed shoes, a helmet with a chin strap, or golf clubs if they have them. If you bring golf clubs for Golf Merit Badge, please keep in mind that the Johnson County Fairgrounds is not a Golf Course.

## Vital Requirement

This event will be a weekend full of fun and learning. Come prepared to have a great time!