



# SKILLSUSA CHAMPIONSHIPS CAREER COMPETITIONS 2021



## SKILLSUSA MASSACHUSETTS CHAMPIONSHIPS

The SkillsUSA Championships provides an opportunity for members to prove their industry-readiness by testing their skills and ability to standards set and assessed by industry partners. These competitive events begin at the local level and allow students to advance to regional, state, and national levels for recognition. Through the SkillsUSA Championships, members are able to connect with professionals within the field and develop relationships for future employment and success.



As an integral part of curriculum, the industry-validated SkillsUSA Championships provide students with workplace experiences in 14 career clusters. Industry partners establish entry level competencies to measure proficiency in technical and employability skill development resulting in the technical standards for each competition. Partners evaluate the authentic assessments that create the competitions. Through the Championships members are able to connect with professionals in the field to develop relationships for future employment success.

## 2021 STATE CHAMPIONSHIPS PLAN

As an organization, SkillsUSA Massachusetts focuses on fulfilling the organization’s mission while ensuring long-term success. In the 47-year history of SkillsUSA Massachusetts, last year brought the first cancellation of the State Leadership and Skills Conference.

To ensure future success of SkillsUSA Massachusetts and continue to provide members the incredible opportunity to showcase their skills in front of business and industry partners across the country, SkillsUSA Massachusetts is committed to hosting our flagship program, the SkillsUSA Massachusetts Championships this year.

SkillsUSA Massachusetts staff has collaborated with the CTE community and other organizations, consulted with legal counsel and reviewed safety and health guidelines set by the Massachusetts Department of Elementary & Secondary Education. Through this process, SkillsUSA Massachusetts has committed to hosting the State Championships following two guiding principles:

**FOLLOW  
SAFETY AND HEALTH GUIDELINES**

**ENSURE  
CONTEST INTEGRITY AND RIGOR**

With restrictions created in response to the COVID-19 pandemic, this year’s State Leadership and Skills Conference will be held in a hybrid model with the SkillsUSA Championships contests being host in a variety of ways. SkillsUSA Massachusetts will utilize essentially two major formats and two lesser utilized for state competition and all District qualifying events will be virtual (on-line exams).

## Framework Connection

The State Leadership and Skills Conference and State Championships is the pinnacle SkillsUSA Massachusetts program allowing student to showcase their skill development around the essential elements of the SkillsUSA Framework.

During the event, members will become aware, demonstrate and highlight their mastery around six essential elements:

- Self-Motivation**  
Remaining engaged & successful for the long-term
- Professionalism**  
Creating a comfortable, respectful & safe culture
- Decision Making**  
Determining best possible results
- Planning, Organizing and Management**  
Completing your work
- Job-Specific Skills**  
Effectively fulfilling all job functions
- Safety and Health**  
Contributing to a safe & healthy work environment

These essential elements will be realized during pre-work, event activities as well as post-event through programming that includes SkillsUSA Championships contests, training experiences, as well as special events. This event will also celebrate SkillsUSA Framework skill development though honoring Chapters of Excellence as well as students who have earned SkillsUSA Career Essentials credentials.

Displaying these skill sets allow students to showcase technical skills, connect students to employers, as well as develop employability skills that are validated by our business partners. The language around the SkillsUSA Framework allows members to articulate to employers their skills and how their time in SkillsUSA benefits employers.

## CONTEST DELIVERY FORMAT

SkillsUSA Massachusetts will offer all 102 career competition contest in fourteen series of events this year. Additionally, through business and industry need and support, two new contests will be demonstrated this year. Delivery will look different than in year's past. Contests will be offered in two formats: Virtual Live (some with prior submissions) and In-person. There will also be a few that are 100% on-line exams and one Kahoot. (see list of contests on the next page for planned delivery methods). \*This list subject to change.

### VIRTUAL LIVE

Contestants will interact in real-time with judges. Facilitated using video conferencing platform (ZOOM) contestants will log in prior to their scheduled appointment time and will be placed a waiting room until their time.

ZOOM System Requirements: Computer, Tablet or Mobile Device with speakers & mic built-in or web cam and an internet connection – broadband wired/wireless/hot spot (3G or 4G/LTE). Minimum bandwidth is 600kbps (up/down) recommended is 1.5 Mbps (up/down). Check your Internet bandwidth using Speedtest ([www.speedtest.net](http://www.speedtest.net)). ZOOM supported OS: Mac OS X with MacOS 10.7, Windows 10, 8 or 8.1, 7

### IN-PERSON

Contestants will compete in-person on Friday, April 30, 2021 at Blackstone Valley RTHS (and two other sites) following all COVID-19 precautions.

Example: Contestants will arrive on site by 9:00 AM for a 10:00 AM competition start and all contests will end at 3:30 PM. A complete plan for entry/exit and in-contest COVID-19 precautions will be developed and communicated.

Breakfast & Lunch will be provided in contest areas. No observers will be allowed to view the competition in-person. Coverage will be provided at [www.maskillsusa.tv](http://www.maskillsusa.tv)



The goal of SkillsUSA Massachusetts is to provide local chapters with as much information as possible to be successful in preparing and engaging members into the experience of the SkillsUSA Championships. The timeline of events (right) outlines information availability deadlines and events.

On the next page is a list of contests and a preliminary format with which each contest will be presented. Specific technical standards for each contest that will outline how to prepare for the contest, equipment and technologies needed and any modifications to the technical standards will be available by February 1, 2021 or sooner.

## DISTRICT COMPETITION (STATE QUALIFYING EVENTS)

District competitions will be held on the dates previously published for District events. The competition will be presented as online exams following the format of years past. All three exams (Trade, Employability & Safety) will be presented as one continuous on-line exam. Exam time will be 2.5 hours. Registered Chapters will receive links to the exams prior to their District date. Exam preparation guides for Employability & Safety Exams will be available January 2021.

## STATE LEADERSHIP & SKILLS CONFERENCE

The 47th SkillsUSA Massachusetts State Leadership & Skills Conference will be held April 11 - May 1, 2021. The conference will kick off on April 11th with a virtual Opening Ceremony followed by a Championships Kick-off where contestants will be able to access their contest projects and information (for contests that will require virtual upload and ZOOM). Contestants will compete on a series of days over a three week period culminating with the in-person contests on Friday, April 30, 2021.



SkillsUSA Massachusetts will also have virtual experiences for members to take part in including development sessions, community engagement projects, delegate sessions and more.

On May 6, 2021 we will celebrate the work of our members and chapter with a virtual Awards Ceremony. Here, the gold, silver and bronze medalist for contest will be recognized and state officers elect and scholarship winners announced. The top competitor in each contest will represent Massachusetts at the National Leadership and Skills Conference.

## SKILLSUSA MASSACHUSETTS STATE CHAMPIONSHIPS 2020-2021

### TIMELINE OF EVENTS

- December 21  
State Championships  
Contest Format Available
- January 8  
District Conference (State Qualifying)  
Registration Opens
- January 29  
District Conference (State Qualifying)  
Registration Deadline
- February 12  
Final Membership Deadline
- February 24 – 26 and March 9 – 11  
District Events - Exam Window
- March 4 & 18  
Qualifying Results Released
- March 20  
State Leadership & Skills Conference  
Registration Opens
- April 1  
Advisor of the Year & Scholarship  
Applications Deadline
- April 2  
State Leadership & Skills Conference  
Registration Deadline
- April 11- May 6  
State Leadership & Skills Conference
  - April 11  
Opening Ceremony and  
Championships Kick-Off
  - April 12  
State Championships Contest  
Projects and Submission  
Information Available & Day 1 of  
competition
  - April 30  
State Championships  
In-person Events
  - May 4  
Delegate Assembly & State Officer  
Election
  - May 6  
Awards Ceremony

# SKILLSUSA MASSACHUSETTS CHAMPIONSHIPS CONTEST LIST 2021



Contest Name	Delivery Method	Day
3-D Visualization & Animation (Team of 2)	ON-LINE SUBMISSION / ZOOM	1
Action Skills	ZOOM	2
Additive Manufacturing (Team of 2)	Blackstone Valley RTHS (LIMIT 6 TEAMS)	5
Advertising Design	ON-LINE SUBMISSION / ZOOM	1
American Spirit (Team of 3)	ON-LINE SUBMISSION / ZOOM	2
Architectural Drafting	ON-LINE SUBMISSION / ZOOM	2
Audio/Radio Production (Team of 2)	ON-LINE SUBMISSION / ZOOM	2
Automated Manufacturing (Team of 3)	Blackstone Valley RTHS (LIMIT 6 TEAMS)	5
Automotive Refinishing Technology	Blackstone Valley RTHS	5
Automotive Service Technology	Blackstone Valley RTHS	5
Basic Health Care	Blackstone Valley RTHS   No Live Patients	5
Cabinetmaking	Blackstone Valley RTHS	5
Career Choice Commentary	ZOOM	1
Career Pathways - Bus/Mgt/Tech (Team of 3)	ZOOM	2
Career Pathways - Ind & Eng Tech (Team of 3)	ZOOM	1
Career Pathways - Arts and Comm. (Team of 3)	ZOOM	2
Career Pathways - Health Services (Team of 3)	ZOOM	3
Career Pathways - Human Services (Team of 3)	ZOOM	3
Career Pathways - Natural Res./Ag./Food (Team of 3)	ZOOM	1
Carpentry	Blackstone Valley RTHS	5
Chapter Business Procedure (Team of 6)	ZOOM	1
Chapter Display (Team of 3)	ON-LINE SUBMISSION / ZOOM	1
CNC Milling Specialist	Blackstone Valley RTHS	5
CNC Technician	Blackstone Valley RTHS	5
CNC Turning Specialist	Blackstone Valley RTHS	5
Collision Damage Appraisal	Blackstone Valley RTHS	5
Collision Repair Technology	Blackstone Valley RTHS	5
Commercial Baking	Blackstone Valley RTHS	5
Community Action Project (Team of 2)	ON-LINE SUBMISSION / ZOOM	2
Community Service (Team of 3)	ON-LINE SUBMISSION / ZOOM	1
Computer Programming	ON-LINE SUBMISSION / ZOOM	1
Cosmetology	Blackstone Valley RTHS	5
Cosmetology (Under 500) (Team of 2)	Blackstone NO MODELS   Mannequins	5
Criminal Justice	Blackstone Valley RTHS	5
Culinary Arts	Blackstone Valley RTHS	5
Customer Service	ZOOM	2
Delegates	ZOOM	6
Dental Assisting	Blackstone Valley RTHS	5
Diesel Equipment Technology	Advantage Truck Group	5
Digital Cinema Production (Team of 2)	ON-LINE SUBMISSION / ZOOM	3
Early Childhood Education	ON-LINE SUBMISSION / ZOOM	1
Electrical Construction Wiring	Blackstone Valley RTHS	5
Electronics Technology	Blackstone Valley RTHS	5
Employment Application Process	ON-LINE SUBMISSION / ZOOM	1
Engineering Technology (Team of 3)	Blackstone Valley RTHS	5
Entrepreneurship (Team of 4)	ON-LINE SUBMISSION / ZOOM	3
Esthetics (Team of 2)	Blackstone NO MODELS   Mannequins	5
Exploratory Project Demo	ZOOM	1
Extemporaneous Speaking	ZOOM	2
First Aid/CPR	Blackstone Valley RTHS   No Live Patients	5
Graphic Communications	Tri-County RTHS (preliminary site)	5

Contest Name	Delivery Method	Day
Graphic Imaging Sublimation	Tri-County RTHS (preliminary site)	5
Health Knowledge Bowl (Team of 4)	ON-LINE EXAM - OR - Kahoot	1 OR 4
Health Occ Professional Portfolio	ON-LINE SUBMISSION / ZOOM	2
HVACR	Blackstone Valley RTHS	5
Industrial Motor Control	Blackstone Valley RTHS	5
Information Technology Service	Blackstone Valley RTHS	5
Internetworking	Blackstone Valley RTHS	5
Job Interview	ON-LINE SUBMISSION / ZOOM	3
Job Skill Demonstration A	ZOOM	1
Job Skill Demonstration Open	ZOOM	3
Major Appliance Technology	Blackstone Valley RTHS	5
Marine Service Technology	Blackstone Valley RTHS	5
Masonry	Blackstone Valley   Upton Highway Barn	5
Mechatronics (Team of 2)	Blackstone Valley RTHS	5
Medical Assistant	Blackstone Valley RTHS   No Live Patients	5
Medical Math	ON-LINE EXAM	4
Medical Terminology	ON-LINE EXAM	4
Mobile Robotics Technology (Team of 2)	On-line Sub / Blackstone Valley RTHS	5
Nail Care (Team of 2)	Blackstone NO MODELS   Mannequins	5
Nurse Assisting	Blackstone Valley RTHS   No Live Patients	5
Occ. Health & Safety - Multiple (Team of 3)	ON-LINE SUBMISSION / ZOOM	2
Occ. Health & Safety - Section (Team of 3)	ON-LINE SUBMISSION / ZOOM	2
Opening & Closing Ceremonies (Team of 7)	ZOOM	1
Outstanding Chapter (Team of 3)	ON-LINE SUBMISSION / ZOOM	2
Painting & Design Technology	Blackstone Valley RTHS	5
Photography	ON-LINE SUBMISSION / ZOOM	1
Plumbing	Blackstone Valley RTHS	5
Power Equipment Technology	Blackstone Valley RTHS	5
Practical Nursing	Blackstone Valley RTHS   No Live Patients	5
Precision Laser Imaging (Team of 2)	Blackstone Valley RTHS (LIMIT 6 TEAMS)	5
Prepared Speech	ZOOM	2
Principles of Engineering Technology	ON-LINE SUBMISSION / ZOOM	1
Promotional Bulletin Board (Team of 3)	ON-LINE SUBMISSION / ZOOM	2
Related Technical Math	ON-LINE EXAM	4
Restaurant Service	Blackstone Valley RTHS   No Live Service	5
Robotics & Automation Tech (Team of 2)	Blackstone Valley RTHS (LIMIT 6 TEAMS)	5
Safety Poster Design (Team of 2)	ON-LINE SUBMISSION / ZOOM	2
Screen Printing Technology	Tri-County RTHS (preliminary site)	5
Sheet Metal	Blackstone Valley RTHS	5
State Officer Candidate	ON-LINE SUBMISSION / ZOOM	6
Sticker Design	ON-LINE SUBMISSION / ZOOM	2
Team Works (Team of 4)	Blackstone Valley RTHS   Tent (LIMIT 6 TEAMS)	5
Technical Computer Applications	ON-LINE SUBMISSION / ZOOM	2
Technical Drafting	ON-LINE SUBMISSION	3
Techspo	NO TECHSPO - 2021	
Telecommunications Cabling	Blackstone Valley RTHS	5
Urban Search & Rescue (Team of 2)	On-line Sub. / Blackstone Valley RTHS	5
Web Design (Team of 2)	ON-LINE SUBMISSION / ZOOM	3
Welding	Blackstone Valley RTHS	5
Welding Sculpture	ON-LINE SUBMISSION / ZOOM	3

## DISTRICT COMPETITION DATES

District 3 - February 24, 2021	District 6 - March 9, 2021
District 2 - February 25, 2021	District 5 - March 10, 2021
District 1 - February 26, 2021	District 4 - March 11, 2021

## STATE COMPETITION DATES

Day 1 - April 12, 2021	Day 4 - April 27, 2021
Day 2 - April 14, 2021	Day 5 - April 30, 2021
Day 3 - April 16, 2021	Day 6 - May 4, 2021



## NEW CAREER COMPETITIONS

### Precision Laser Imaging Team of 2 | Manufacturing

Laser engraving systems are being used in advanced manufacturing programs, graphic design programs, and engineering programs. This competition will be a team of two (2). Student roles: The Design Team Member would need to use either Adobe Illustrator or CorelDraw and design the file. The Imaging Team Member who runs the laser would manipulate the files and cut the image.

The Design Team Member needs to do the creative design work, and the Imaging Team Member needs to take the file and laser engrave the image and laser cut the shape. Design Challenge:

§ Phase one: 1.5 hours – Machine orientation. The teams will be divided in half and work with each machine for 45 minutes to orient themselves to the machine. All teams will use each type of machine; one type for each phase.

§ Phase two: 1.5 hours – Students will be provided one material to be used to produce a standard trophy or award.

§ Phase three: 1.5 hours – Students will be supplied a second material to be used to produce a base to hold the award.

### Safety Poster Design Teams of 2 | Freshman Events

This contest is open to active SkillsUSA members currently enrolled in the Freshman Exploratory. Exploratory may be completed before participating in the competition but contestant must still be in their Freshmen year of their CTE experience.

Performance: There is no written exam for this contest. Skill Performance: The contest requires the presentation of the completed safety poster designed specifically to educate incoming freshmen about workplace safety during exploratory.

A Safety poster must be designed and created prior to the competition by the two contestants only. The poster design will be submitted on-line and the actual poster must be present during the ZOOM presentation.

## SKILLSUSA MEMBERSHIP

Traditional Student Membership - \$13  
Access to SkillsUSA programming and events.

TPP Membership (Chapter Fee)  
Access to one year of the SkillsUSA Career Essentials: Experiences (career-readiness) Curriculum with included membership.

Professional Membership - \$25  
Access to the Framework Integration Toolkit, Program of Work Toolkit, Jump into STEM! Curriculum and Championships Toolkit which includes access to the Technical Standards (in-person and virtual) as well as local competition guides.

Traditional membership can be submitted through SkillsUSA REGISTER (register.SkillsUSA.org).

To order SkillsUSA Career Essentials through TPP please use the TPP portal at [www.skillsusa.org](http://www.skillsusa.org).

## CONFERENCE & CHAMPIONSHIPS REGISTRATION

The event registration process will be the same as in years past. All individuals attending conference must be registered and members of SkillsUSA. Membership must be completed through the SkillsUSA REGISTER ([register.skillsusa.org](http://register.skillsusa.org)). Registration will be completed by Chapter Advisors at the SkillsUSA Massachusetts registration & member services site.



## DISTRICT COMPETITION (STATE QUALIFYING EVENTS)

Championships Contestant & SOC (each) .....\$35

## STATE LEADERSHIP AND SKILLS CONFERENCE

Delegates & State Officer Candidates — Virtual Delegate Assembly/On-line Election .....\$50  
Championships Contestant — Virtual, On-line Submission & On-line Exams \$100  
Championships Contestant — In-person ..... \$150

Students (non-competing or serving as a delegate/state officer candidate) and professionals (advisors/teachers) members can attend the conference programming at no charge; however, all contestants must be registered for the event to be enrolled within the virtual delivery platforms.

## QUESTIONS? WE'RE HERE TO HELP!

### SkillsUSA Customer Care Team

Membership and registration site support.  
Phone: 844.875.4557  
Email: [customer care@skillsusa.org](mailto:customer care@skillsusa.org)  
Chat: [www.skillsusa-register.org](http://www.skillsusa-register.org)

SkillsUSA Massachusetts State Office  
General questions and state programming.  
Phone: 508-230-1273 | Email: [kward@maskillsusa.org](mailto:kward@maskillsusa.org)  
Series Directors  
Specific contest information.  
Contacts provided in Technical Standards

