



General Information 2021

The 2021 NAPTA Troubleshooting Skills Competition (TSC) is a two round competition:

- Qualifying Round
- Championship Round

Up to forty teams will compete in the Qualifying Round of competition during the week of April 5 – 9, 2021.

No travel required to compete in this year's event. **Please note the changes in software application for the Qualifying and Championship rounds of competition.**

- Qualifying Round – PetroSkills/Simulation Solutions
- Championship Round – Simtronics/Systran

The TSC IV Qualifying and Championship Round of Competition will be hosted virtually on your home campus. **Exercise rounds will be completed using a dynamic simulator.**

- Registration will open on December 1, 2020 and close on March 12, 2021.
- Registration is limited to two (2) teams per college.
- Registration is on a first-come, first-served basis. The email date and time stamp will be used to validate your registration entry.
- Team names do not need to be submitted at the time of registration.
- Team member names do not need to be submitted at the time of registration.
 - Team names and team member names must be submitted no later than close of business on March 12, 2021. Each college may place two (2) teams in the Qualifying Round. Two teams from the same college may advance to the Championship Round based on the highest ten (10) team scores of all participating teams.

Review the Team Composition and Selection process described below.

Team Composition and Selection

- A team will consist of four (4) students: one team captain and three team members.
 - Teams CAN compete with only three (3) members on the day of the event if a member is unable to participate.
- An alternate CAN be designated for each team.
 - Their name must be submitted with the team members names, and they must meet the same criteria to compete.
- Coaches/instructors have discretion of team member selection to meet the student qualification criteria listed below.

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Student Qualifications

- Must be currently enrolled in the Process Technology program
- May be enrolled on a full or part-time basis
- Cannot be employed now or in the past in industry as an operator
- Students serving as co-ops or interns are acceptable

Qualifying Round Format

Competitors will use a PC-based dynamic process simulator; provided by PetroSkills/Simulation Solutions.

- There are three (3) timed scenarios in the Qualifying Round.
- Your team will compete on a day of your selection during the week of April 5 – 9, 2021.
- Colleges will receive access to the software for practice on Monday, March 15.
- Alternates may be on standby during the Qualifying Rounds of Competition if needed to participate as a regular team member

Qualifying Round Process





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Championship Round Format

Competitors will use a PC-based dynamic process simulator; provided by Simtronics with exercises developed by Systran.

- Alternates may be on standby during the Championship Rounds of Competition if needed to participate as a regular team member.
- Ten teams will compete in the Championship Round Saturday, April 24, to determine the 1st through 3rd place teams.
- Teams not in competition rounds will participate in activities designed to enhance his/her opportunity for employment.
- Students will compete in live simulation-based exercises.
- Rounds will be timed.
- The cumulative score from all rounds will determine the 1st – 10th place teams.
- The awards ceremony and the announcement of the top three highest scorers will take place after the judge's scoring on Saturday evening at 6:00 PM.
- Team trophies and award medals will be sent to the top three (3) finishing places.
- Certificates of participation will be sent to all competing team members.

Contact Martha McKinley with questions or for more information about registration at troubleshooting@naptaonline.org or 903.452.8511