13th Annual
National Process Technology Troubleshooting Skills Competition
2025

The National Process Technology Troubleshooting Skills Competition:

- showcases the problem-solving (troubleshooting) skills of PTEC students from across the nation

- is a two-round competition
  - **Qualifying Round** (compete online at your home campus)
  - **Championship Round** (compete in person at hosting campus)

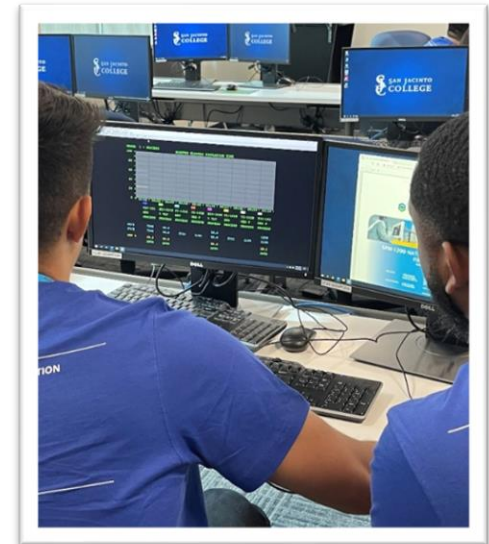# TSC Registration & Qualifying Round

- TSC Registration is currently open on the NAPTA website and will close on 02/21/25. Your team's name and team member names must be provided by this deadline.

- To complete registration, each team member and alternate must provide a copy of their college photo ID.

- Alternates must be designated at registration and your team's alternate may not be changed after the Qualifying Round.
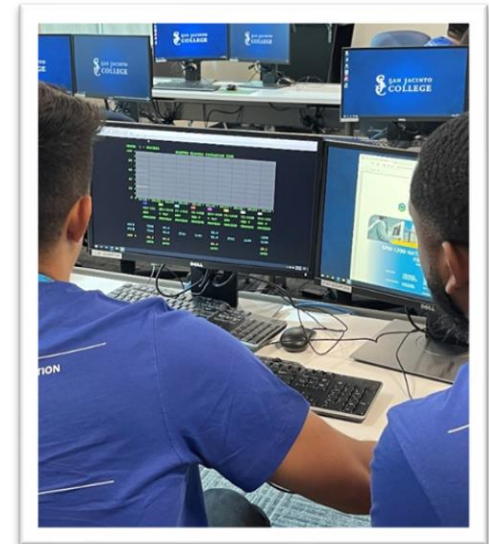
TSC Registration & Qualifying Round

- NAPTA member and non-member colleges can participate

- Unlimited number of colleges may participate

- Unlimited number of teams from each registered college can participate

- Teams must have 3 team members to compete. Bringing an alternate is encouraged, but they will be welcome to participate in all day 1 activities, but will not participate in the competition.
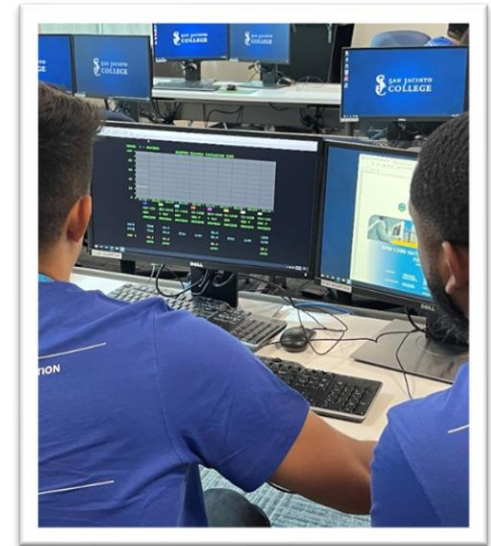
Qualifying Round

- Top 12 highest-scoring teams advance as finalists to the Championship Round, with the limitation that only 2 teams from any single college can advance to the Championship Round

- Finalist teams must travel to the host school to compete

Qualifying Round

There are several resources for you on the NAPTA website. Updated TSC rules and guidelines for 2025 will be available on the NAPTA website on 1/30/25. **BE SURE** to read through these documents!

Qualifying Round Format

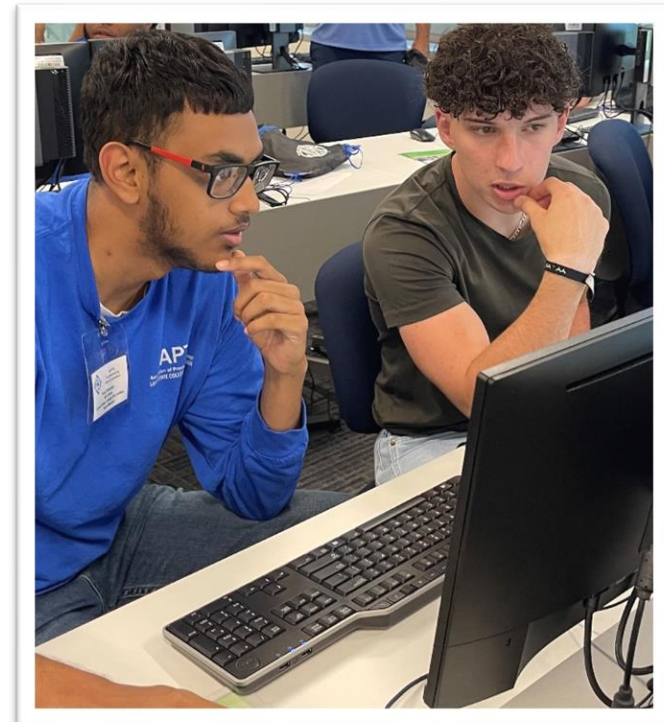**Teams will compete using a web-based system from the college's home campus:**

- Includes 3 timed scenarios

- Teams compete at a time and date chosen by their coach

- Team competition in the QR can be scheduled from March 18th through April 1st
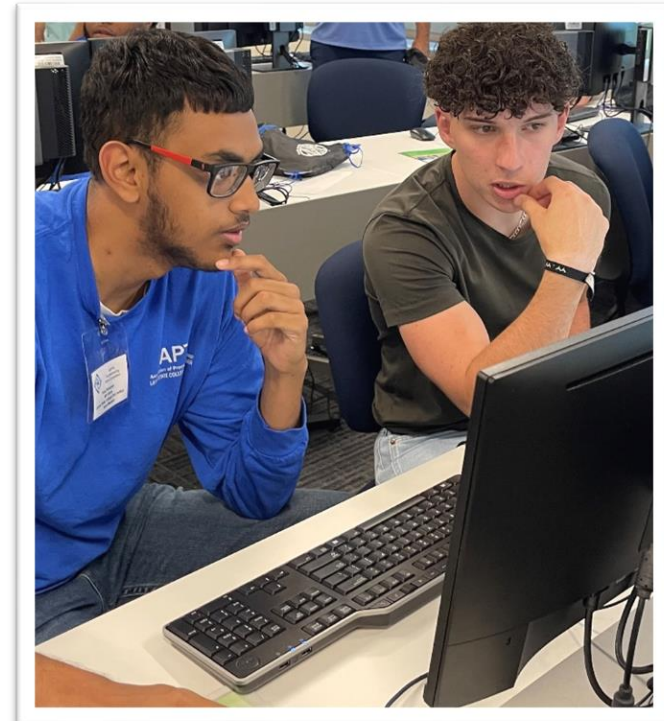
Qualifying Round Process

- Choose and schedule your team's QR location on your home campus (classroom, testing room, computer lab, etc.)

- Ensure the computer has internet access

- You may want to use two monitors

Qualifying Round Process

- Assign a proctor (non-PTEC), then notify NAPTA of your proctor's identify & schedule your QR date/time. (You'll receive an email.)

- Confirm accessibility (practice login)

- Your team will log into the website to compete during their scheduled time

Qualifying Round Process

Qualifying Round Process

Qualifying Round Process

Qualifying Round Process

Qualifying Round Process

TROUBLESHOOTING COMPETITION QUALIFICATION ROUND

LOGIN PRACTICE

Qualifying Round Process

Qualifying Round Process

What effect would an increase in overhead reflux flow have on overhead and bottoms product flows?

○ Overhead product flow will increase and bottoms product flow will decrease

○ Overhead product flow will decrease and bottoms product flow will increase

○ Overhead and bottoms product flow will increase

○ Overhead and bottoms product flow will decrease

Process Fundamentals

Qualifying Round Process

Our team has answered all of the questions. We are ready to submit our answers by clicking the ✓.

○ Yes
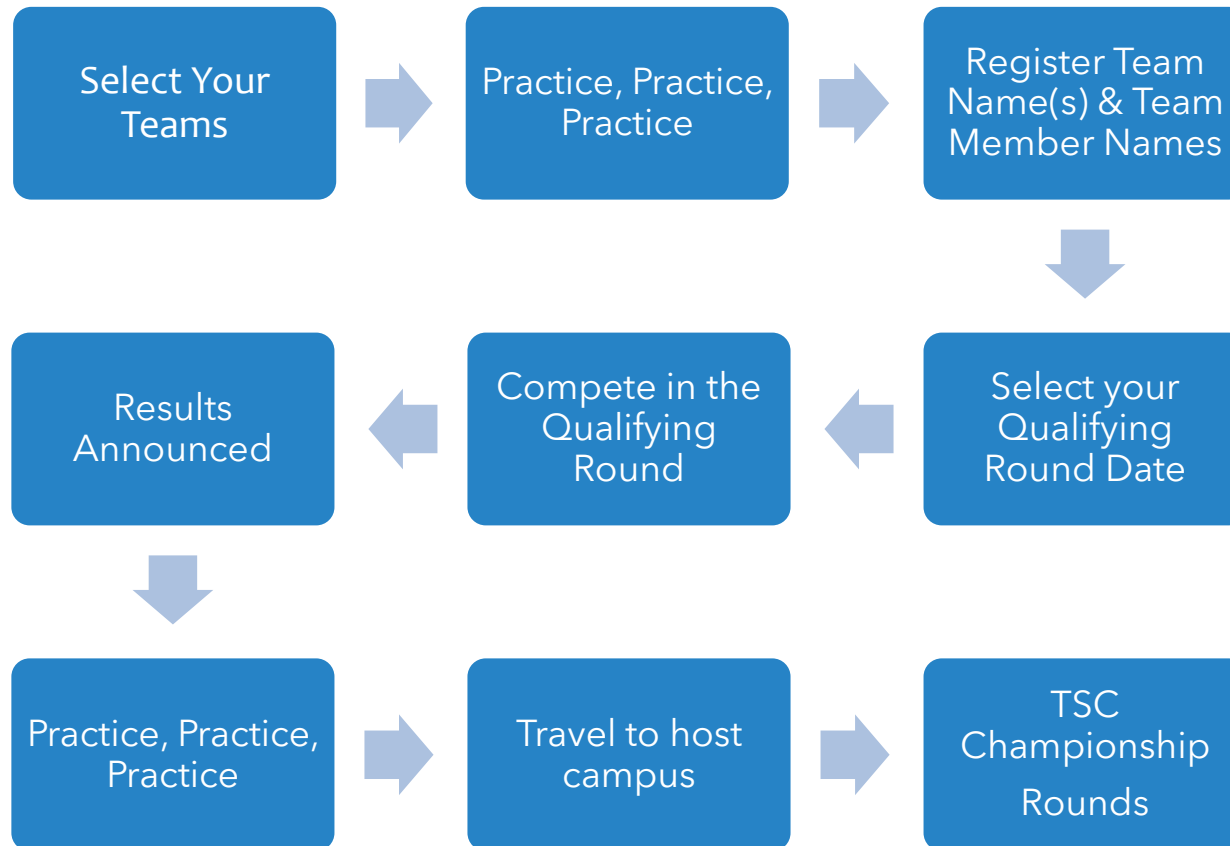
Submit Your Answers

Qualifying Round Process

Qualifying Round Process


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Select Your          →    Practice, Practice,    →    Register Team
Teams                     Practice                    Name(s) & Team
                                                      Member Names
                                                           ↓
Results              ←    Compete in the         ←    Select your
Announced                 Qualifying                  Qualifying
                          Round                        Round Date
    ↓
Practice, Practice,  →    Travel to host         →    TSC
Practice                  campus                       Championship
                                                       Rounds
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Championship Rounds

Championship Rounds

- Twelve teams participate

- All team members participate in industry-related activities on Thurs. 4/24/25

- All teams compete in live simulation-based exercises on Fri. 4/25/25

- Four timed rounds

- Will include a hands-on element, along with a written knowledge test, and these scores will be factored into the cumulative score

Championship Rounds

- Cumulative scores from all rounds determine the 1st – 12th place teams

- Awards ceremony will be held Fri. afternoon

- All teams advancing to the Championship Round are awarded a "National Finalist" certificate

- Trophies awarded to top 3 teams

Questions?