## ptc academic program

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## PTC Racing

With more than 28,000 of the world's leading product development companies, including many of the leading automotive and racing companies like Aston Martin Racing, Penske Racing, NASCAR, Hyundai-Kia and Harley Davidson, PTC understands the challenges students face in designing, building, developing, and marketing their race vehicles.

PTC is proud to sponsor teams in Formula SAE®, BAJA SAE®, Formula Student® and all other student design competitions by providing teams with technology solutions and support for the entire product development process.

## **Key Benefits for Teams**

- Expert Framework Extension™ Easier to edit, manufacture, and assemble your tubular framework as separate parts for easier chassis design
- Finite Element Analysis Integration Design, analyze and optimize your model all within PTC Creo® without the need of a third party app
- PTC Windchill® a complete data management system to enable complete collaboration
- ThingWorx™ A complete Internet of Things software platform to enable connected application design and analysis
- PTC Mathcad® Integration with PTC Creo Use PTC Mathcad to predict 3D models, document all of your mathematics, and integrate testing into your car
- Free Software and Online Tutorials Every member receives a free copy of the software listed in the PTC Sponsorship Package

And much more!

With the increased complexity of project designs, student design teams require superior capability in a solution that can be easily taught and adopted by freshman team members. PTC Creo is the most complete design and manufacturing solution available to education. With over 55 integrated and associated modules, you have access to a comprehensive range of functionality and with Unite Technology™ you can now open,edit and save files from other CAD solutions. PTC Creo combines easy-to-use modules such as 3D direct modeling with advanced functionality such as analysis, CNC manufacturing, digital human and much more.

PTC Mathcad allows student design teams to document mathematical work on a virtual white board that integrates text, live math and graphics into a single environment. You can type math equations, combine text, images, graphs and equations all on the same page while automatically updating calculations in your 3D model in PTC Creo.

The PTC Sponsorship Program offers every member of your team a free copy of PTC Creo 3.0 Premium Edition and PTC Mathcad Prime® 3.0.

PTC University eLearning Libraries allow you and your team to learn from 3,000+ hours of best practice training in PTC software. Students that have completed training in PTC University eLearning are sought after by the world's leading product development companies, since all of the tutorials are industry recognized. These libraries not only get you the added experience to put on your resume but are vital in getting your new freshman team members up to speed. The tutorials are available 24/7, are short and easy to absorb, and are available for all products. Let PTC University eLearning Libraries teach the new members the 'picks and clicks' of CAD so you can advance to creating your next successful car.

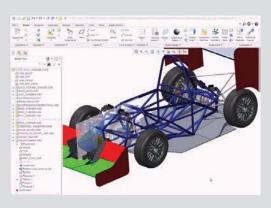
PTC Windchill, our data management platform, is available to teams on a case-by-case basis but will allow your teams to have a single, trusted, central data repository to expertly manage all forms of digital product data.

New this year is ThingWorx. You can gain access to ThingWorx by reaching out to your faculty advisor or professor and register at <a href="https://pxc.com/go/iotacademic">ptc.com/go/iotacademic</a>. ThingWorx provides your team with an easy-to-use application development platform that runs on popular microprocessors.

The PTC Sponsorship Program offers every team member access to PTC University eLearning Libraries, PTC Windchill and Thingworx.

## Good luck to all PTC Sponsored Teams!

Find out how your team can be a PTC Sponsored Team today and join the team!



PTC Creo 3.0



ThingWorx



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