



AUTONOMOUS VEHICLES

in Higher Education

dataspeedinc.com ●

info@dataspeedinc.com ●

(248) 243-8889 ●

Advantages of Implementing an **Autonomous Vehicle (AV) Engineering Program**

For Students

- Learn firsthand about the transportation of the future
- Gain valuable experience for a growing, specialized field
- Opportunity to contribute and move the needle in an evolving industry

For Universities

- Opportunity for local, state, and federal funding to advance self driving technology
- Prepare students for a career in the booming, competitive autonomous transportation field
- Stand as an educating leader in the race to autonomy
- Possible sponsorships from leading autonomous suppliers, many which use Dataspeed by-wire kits



University research and development will accelerate the launch of driverless vehicles to yield:

- Fewer automobile accidents
 - Increased transportation accessibility
 - Reduced traffic
 - Heightened productivity



Benefits of Incorporating **Dataspeed AVs in the Curriculum**

- Hands-on experience to develop and test on an actual by-wire vehicle versus solely simulation
- Opportunities to compete in nationwide AV engineering competitions
- Utilize technology that is trusted by dozens of top universities including MIT, Carnegie Mellon, & University of California Berkley

Ford Fusion By-Wire Platform

For Advanced, On-Road Projects

Robust AV Development

Dataspeed's Ford Fusion By-Wire Kit is an ideal solution for comprehensive projects looking to develop on a platform frequently utilized by top AV startups and Fortune 500 companies.

Optimal Platform For:

- Urban and Highway Driving
- Mobility-as-a-Service development with seating capacity up to 5 people
- Long range of hybrid operation versus shorter electric vehicle ranges

Required Vehicle Features

- **Platform:** Fusion/Mondeo Ford C4
- **Model Years:** 2017-2020
- **Required Features:** Hybrid

Optional Upgrades

- Sensors such as lidars, radars, and GPS
- Instrumentation bars and racks
- Magnetic lidar mounting
- Autonomous software



Polaris GEM By-Wire Platform

For the Budget & Eco Conscious

A Smart Solution

The Dataspeed By-Wire Kit for the Polaris GEM is an efficient choice for student projects with limited resources. This compact, all-electric vehicle proves to be a valuable platform for education programs of all sizes.

Optimal Platform For:

- Controlled environments with lower speeds, such as campuses
- Indoor applications, as there are no exhaust concerns
- Teams interested in a simpler vehicle architecture

Required Vehicle Features

- **Platform:** Polaris GEM
- **Model Years:** 2019-2020
- **Required Features:** Tilt Steering with EPS

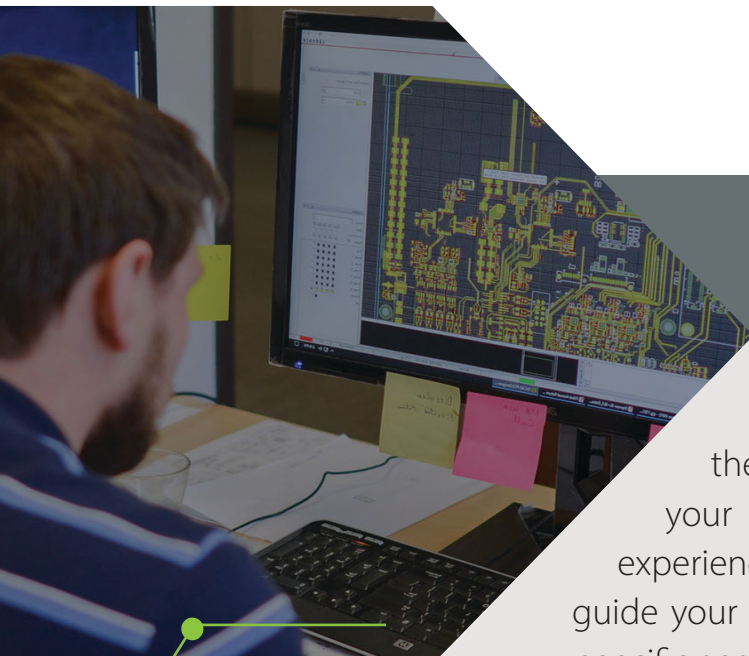
Optional Upgrades

- IGVC Compliant Package including rack, e-stop, and beacon
- Sensors such as lidars, radars, and GPS
- Autonomous software





dataspeedinc.com ●
info@dataspeedinc.com ●
(248) 243-8889 ●



Partner with Dataspeed

Whether your organization is just getting started in the autonomous vehicle industry or is looking to scale your vehicle fleet, Dataspeed has the solution for you. Our experienced team of engineers and business professionals can guide your organization in developing an action plan to meet your specific needs. We're skilled in full vehicle integration including by-wire implementation, sensor and computer installation, data acquisition, and vehicle communications. Our vehicle systems engineers have extensive experience creating custom hardware and software solutions. Contact us today to discuss how Dataspeed can accelerate your AV research and development.

