Students on WVU's campus have plenty of new academic options to choose from in fields on the rise, from environmen-

tal engineering to esports.
The university's Board
of Governors recently
approved an online gradapproved an online grad-uate engineering pro-gram during its regular meeting, as well as a new bachelor's degree in biol-ogy geared toward those looking for careers as doc-tors, dentists and physi-cian's assistants and a sec-ond supply chain-focused degree.



West Virginia University students in the undergraduate robotics engineering program will have opportunities to conduct research in robotics and participate in student projects and competition groups.

other programs previously introduced have had a 
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"They're going to have a great resume and a major that will make them highly employable." graduate."

Engineering
Lance Lin knows for a fact that students are interested in the new environmental engineering degree
offered by the Benjamin M.
Statler College of Engineering and Mineral
Resources, as many have

Engineering, said it fea-tures four areas of empha-sis — water supply and resources; water quality engineering for human resources; water quality engineering for human trol and climate change; and environmental health, risks and public health. Given that West Vir-ginia is one of the primary energy-producing states in the country and deals with lis fair share of environ-mental issues, Lin said the mour is geared not just more than the same had been as well. For instance, he taught an air pollution class and did a case study based on a Department of Environ-mental Protection report and an angerement between

stand in the process of the things we noticed is the need for a move hardson approach, said Robin Hensel, a teach impore hardson approach. The said Robin Hensel, a teach impore hardson approach is the removed and the temployers in the college's fundamentals of adding that while students in different disciplines all experience this, it usually happens in their junior or senior years. "Many students want to see whards applied a lot earlier."

In the case of engineering technology, students use manufacturing equiliperation by the students use manufacturing equiliperation by the students want to see whards applied a lot earlier."

In the case of engineering technology, students use manufacturing equiliperation by the students want to see what spoper materials, sensors, electric parts and propermaterials, sensors, electric parts and propermaterial and technical services extense as a section, and the section of the state of the section o

Dairs, Lin said more than 200 companies visit the campus and "a majority are here to hire environmental and civil engineers.... Our students, most of them have multiple ploof fires by the time they oboties."

Robotics Engineering
While robotics engineering is one of the more
recent additions to WVU's
curriculum, Jason Gross,
associate professor and
chair of the Department of
Mechanical, Materials and
Aerospace Engineering,
said many of the elements
for the bachelor's deeree for the bachelor's degree program have been in place for some time, in part because "robotics is inter-

Resources, as many have approached him seeking dasses that cater to their baseline disasses that cater to their baseline disasses have clearly assisted in the chair of the Wadsworth Department of Civil and Environmental Engineering, said it features four areas of emphasis — water supply and international companions. robotics competitions also plays a large role. Since 2011, WVU has taken home prizes in several national and international compe-titions, including nine first-place honors. "We have a lot of faculty expertise," Gross said, adding there are also a handful of research labs already on campus. Students in the pro-gram will explore mechan-ical systems, computer sci-ence and engineering sys-tems, and be required to

ence and engineering sys-tems, and be required to complete a year-long cap-stone project.

As with the other majors mentioned in this article, he said the market is more than ready for future robotics engineer-ing graduates, citing a recent World Economic Forum Future of Jobs report ranking it among the fastest-growing profes-sions globally. 7

sions globally.

"And we live 70 miles south of one of the largest robotics clusters in the world," Gross said of Pittsburgh.

Pittsburgh.
Meeting with an industry group there recently he said he discovered there are roughly 7,000 jobs available in the robotics sector in the area. Many West Virginia companies that have historically been interested in mechanical engineers are also looking

interested in mechanical engineers are also looking for those with robotics degrees.
"Right now, we're ahead of the game," he said, as WVU is only one of a few universities in the nation to offer a robotics undergradute nowarm." Fact.

TEACHERS

# Pay raises not enough

BY JIM BISSETT

Jisiaset@DominionPost.com
It almost seems like ancient history now, and it was only 2018 when it happened.
That's when West Urignia, in the most fundamental ways of the state's contentious labor history, took the nation to school.
That's when one woman carried a picket sign in Colorado that read, "Don't make me go West Virginia on you."

make me go west virgina
on you."

A nine-day work stoppage here, during a particularly frigid February six
years ago, by teachers and
other public employees put
the Mountain State's traditional economic inequities

the Mountain State's treational economic inequities under a glare even colder. Public schools in all 50 counties were shuttered wages and teacher shortages rolled on. Parents and their children joined teachers and cafeteria workers on picket lines (often in snow and freezing weather) for the duration of the movement that empowered public employees in other states to do the same. Which is how that picket line worker — and picket sign crafter. — in the Rocky sign crafter. — in the rocky in spired by the Mountain State.

Teachers and other rub.—

Teachers and other public workers here would emerge from it all with a 5% pay raise in 2018, and that percentage has been a regular occurrence in Gov.

regular occurrence in Gov.
Jim Justice's administration as elected lawmakers
signed on with the paycheck heft.
Nearing the end of the
2024 legislative session,
those employees got
another one, which, the
governor noted, marks four
in a row under his watch

in a row under his watch.
"You remember way
back when we did a 5% pay
raise?" Justice said. "It was

raise" Justice said - 'It was the biggest pay raise, per-centage-wise, in the history of our state." Justice, who is finishing his second and final term as governor, said that's a trend he wants to see continue. "I know the job you do," you work every day" Such labor battles, in such states as West Vir-ginia, don't always stay won, Sam Brunett told The

ginia, don't always stay won, Sam Brunett told The Dominion Post previously. "It's a revolving door," said Brunett, who teaches "It's a revolving door," said Brunett, who teaches art at Morgantown High School and is finishing his term as president of the Monongalia County Chapter of the American Pederation of Teachers, one of two such unions in the state. In the County Chapter of the American Pederation of Teachers, one of two such unions in the state. In the County of the Co

And why people don't take jobs.

Brunett, who was named west Virgina's Art Educator of the Year in 2018, is going into his 30th year in the profession.

Now, he isn't so sure about aspiring teachers following him into the field.

Which, he said, doesn't make a very good less't make a very good less't.

Which, he said, doesn in make a very good lesson plan for state staring at a teacher shortage.
"This is going to keep kids away," he said of the rising cost of benefits. "We aren't gonna be able to recruit anybody."



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