

## PATHWAYS & PROGRAMS



ENGINEERING



HEALTH



TRANSPORTATION



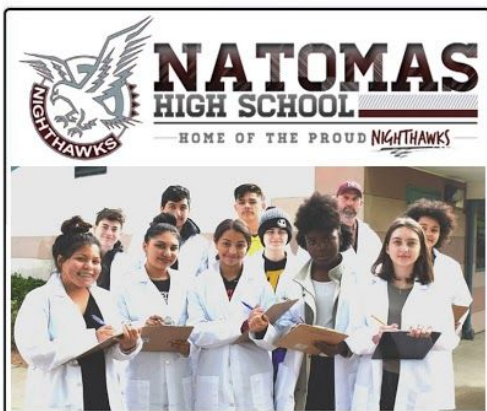
DIGITAL MEDIA



BUILDING & TRADES



AP CAPSTONE



# Natomas High School: Engineering Pathway

## WHAT IS ENGINEERING?

Do you like working with hands-on projects? Do you ever wonder how things work? Are you fascinated by inventors? Are you curious about the design process? Do you like to design something yourself and see your idea come to life? Did you know that engineers make interactive television possible? Engineering is a blend of science and technology focused on the design, building, and use of engines, machines, and structures. If this interests you, the Engineering Pathway at Natomas High School is a perfect fit.

## WHAT CAN I EXPECT?

Students in the Engineering Pathway will prepare for college and career by taking courses in Engineering along with core academic classes -- English, History, Science, and Math. Each Engineering course is taught in a state-of-the-art facility that was recently redesigned to allow for building and manufacturing of projects, classroom instruction, robotics testing, and computer design technologies.

Throughout the Engineering Pathway, students will complete integrated projects, attend engineering-related field trips, and work with community mentors to learn more about the Engineering industry.

All Engineering courses allow students to learn and apply the design process, gain proficiency in teamwork and communication, and develop critical thinking, organizational, and problem-solving skills. Students use the same industry-leading 3D design software used by companies like Intel and Pixar. To become an Engineering student, you must be enrolled at Natomas High School and meet with your counselor to sign up.

## QUESTIONS?

Call us at (916) 641-4960

Or visit <https://natomasunified.org/nhs>

**WHAT DOES THE ENGINEERING PATHWAY LOOK LIKE?**

<b>GRADE LEVEL</b>	<b>COURSES</b>	<b>DOES IT MEET GRADUATION REQUIREMENTS</b>	<b>DOES IT MEET UC/CSU 'a-g' REQUIREMENTS</b>	<b>DOES IT QUALIFY FOR COLLEGE CREDIT</b>
SOPHOMORE	Intro to Engineering	ELECTIVE CREDIT	'g'	
JUNIOR	Principles of Engineering	ELECTIVE CREDIT	'g'	
SENIOR	Engineering, Research, and Development	LABORATORY SCIENCE	'd'	

\*Students who choose to join the Engineering Pathway will need to select Engineering courses in MYAP during their Freshman school year. If accepted, they will take their courses at NHS and complete a traditional, six-period-day schedule through their Sophomore, Junior, and Senior years.