



## PATHWAYS & PROGRAMS



ENGINEERING



HEALTH PATHWAY



AP CAPSTONE



ACTION CIVICS



# Natomas High School: Engineering Pathway

## WHAT IS ENGINEERING

Do you like working with on hands-on projects? Do you ever wonder how things work? Do you wonder how things were designed and who designed them? Do you like designing and seeing your ideas 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 any of this has interested you then you need to become an Engineering Pathway student at Natomas High School.

## WHAT CAN I EXPECT

Students in the Engineering Pathway will take courses in Engineering while taking their core 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 courses 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, acquire strong teamwork and communication proficiency and develop organizational, critical thinking and problem solving skills. Students use the same industry leading 3D design software used by companies like Intel and Pixar. To become an Engineering students you must be enrolled at Natomas High School and meet with your counselor to enroll in Engineering courses.

## Questions?

Call us at (916) 928-5200

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 courses at NHS, and will continue with a traditional 6 period day through their Sophomore, Junior, and Senior years.