

2023-2024 Course Listing: Technology and Engineering Education

(Courses in bold have been revised for 2023-2024)

Course Code	SCED Code	VA Ext.	Course Title
8438	21149		Advanced Drawing and Design
8427	13002	II	Advanced Manufacturing Systems II
8428	21019		Aerospace Engineering (PLTW)
8487	21055	I	Aerospace Technology I
8488	21055	II	Aerospace Technology II
AC8479	21015	AC	App Creators (PLTW)
8437	21103	36	Architectural Drawing and Design
8492	21103	18	Architectural Drawing and Design
AR8476	21015	AR	Automation and Robotics (PLTW)
8467	21049		Biomedical Engineering
8468	21999		Biotechnology Foundations in Technology Education
8430	21021		Civil Engineering and Architecture (PLTW)
8415	11002	36	Communication Systems
8418	11002	18	Communication Systems
8442	21022		Computer Integrated Manufacturing (PLTW)
CS8479	21015	CS	Computer Science for Innovators and Makers (PLTW)
8431	17002	36	Construction Technology
8432	17002	18	Construction Technology
8499	13002	III	Cybersecurity in Manufacturing
8496	13002	IV	Cybersecurity in Manufacturing, Advanced
DM8476	21015	DM	Design and Modeling (PLTW)
8440	21023		Digital Electronics (PLTW)
8459	11153		Digital Visualization
8416	17106	36	Electronics Systems I
8417	17106	18	Electronics Systems I
8412	17106	II	Electronics Systems II
8413	17106	III	Electronics Systems III
8448	20101	36	Energy and Power
8495	20201	18	Energy and Power
EE8479	21015	EE	Energy and the Environment (PLTW)
ED8411	20901	II	Energy Demand: Sustainability and Efficiency
LC8411	20903	I	Energy Source Life Cycle
ES8411	20901	I	Energy Supply: Sustainability and Efficiency
TD8411	20902	II	Energy Transmission and Distribution, Advanced
EES8411	20903	II	Engineered Energy Systems
8451	21016		Engineering Analysis and Applications II
8449	10019	I	Engineering Computer Science
8452	21005	II	Engineering Concepts and Processes III
8443	21007		Engineering Design and Development (PLTW)
8436	21106	36	Engineering Drawing and Design
8493	21106	18	Engineering Drawing and Design
8906	21006		Engineering Essentials (PLTW)
8450	21005	I	Engineering Explorations I

8453	21047		Engineering Practicum IV
8491	21002		Engineering Studies
8489	5056	III	Entertainment Design and Technology
8911	21024	36	Environmental Sustainability (PLTW)
FS8479	21015	FS	Flight and Space (PLTW)
8409	15055		Forensic Technology
FP8411	20904	I	Fundamentals of Power Generation
8400	10205	I	Game Design and Development
8401	10205	II	Game Design and Development, Advanced
8423	21058	I	Geospatial Technology I
8424	21058	II	Geospatial Technology II
8419	20151	I	Global Logistics and Enterprise Systems I
8422	20151	II	Global Logistics and Enterprise Systems II
8458	11155	36	Graphic Communications Systems
8494	11155	18	Graphic Communications Systems
GA8479	21015	GA	Green Architecture (PLTW)
GBIU			Green Building Infusion Unit
8455	11054	36	Imaging Technology
8474	11054	18	Imaging Technology
IB4585	3206	I	International Baccalaureate Design Technology I
IB4586	3206	II	International Baccalaureate Design Technology II
IT8411	20902	I	Introduction to Energy Transmission and Distribution
8439	21017		Introduction to Engineering Design (PLTW)
8483	21051	36	Introduction to Technology and Engineering
8480	21051	6	Introduction to Technology and Engineering
8481	21051	9	Introduction to Technology and Engineering
8482	21051	18	Introduction to Technology and Engineering
8484	21051	12	Introduction to Technology and Engineering
8461	21099	36	Inventions and Innovations
8454	21099	9	Inventions and Innovations
8456	21099	6	Inventions and Innovations
8464	21099	18	Inventions and Innovations
8485	21099	12	Inventions and Innovations
ME8479	21015	ME	Magic of Electrons (PLTW)
8425	13002	36	Manufacturing Systems I
8426	13002	18	Manufacturing Systems I
8433	13052	36	Materials and Processes Technology
8478	13052	18	Materials and Processes Technology
MD8479	21015	MD	Medical Detectives (PLTW)
8460	21015		Modeling and Simulation Technology
8445	20102	36	Power and Transportation
8444	20102	18	Power and Transportation
PG8411	20904	II	Power Generation Design and Function
8441	21018		Principles of Engineering (PLTW)
9811	3153	I	Principles of Technology I
9812	3153	II	Principles of Technology II
8447	13101	36	Production Systems
8446	13101	18	Production Systems
8408	17105		Renewable Energy
ST8479	21015	ST	Science of Technology (PLTW)
8470	10015	II	Software Engineering (PLTW)
8473	10015	I	Software Engineering Essentials (PLTW)

8414	21053		Sustainability and Renewable Technologies
8435	21101	36	Technical Drawing and Design
8434	21101	18	Technical Drawing and Design
8462	21001	36	Technological Systems
8457	21001	9	Technological Systems
8463	21001	18	Technological Systems
8477	21001	6	Technological Systems
8486	21001	12	Technological Systems
8407	21054	36	Technology Assessment
8406	21054	18	Technology Assessment
8471	13099	I	Technology Education—Development
8769	13099	II	Technology Education—Preparation
8403	21003	36	Technology Foundations
8402	21003	18	Technology Foundations
8421	21009	36	Technology of Robotic Design
8420	21009	18	Technology of Robotic Design
8405	21052	36	Technology Transfer
8404	21052	18	Technology Transfer
8910	20905	I	Unmanned Aircraft Systems
8912	20905	II	Unmanned Aircraft Systems, Advanced
8497	11055		Video and Media Technology