



2021-2022 Course Listing: Agriculture Education

Course Code	Course Title
8022	Agricultural Business Fundamentals I (Revised)
8026	Agricultural Business Management III (Revised)
8024	Agricultural Business Operations II (Revised)
8053	Agricultural Education—Development
8050	Agricultural Education—Preparation
8019	Agricultural Fabrication and Emerging Technologies (Revised)
8018	Agricultural Power Systems
8020	Agricultural Power Systems, Advanced
8010	Agricultural Production Technology
8017	Agricultural Structural Systems (Revised)
8004/8001	Agriscience and Technology
8003	Agriscience Exploration
8072/8073	Applied Agricultural Concepts
AIU	Aquaculture Infusion Units
8086	Biological Applications in Agriculture
8087	Biotechnology Applications in Agriculture
8085	Biotechnology Foundations in Agricultural Education
8048	Community Forestry and Tree Management (Revised)
8074	Cybersecurity in Food and Agriculture
8075	Cybersecurity in Food and Agriculture, Advanced
8045/8046	Ecology and Environmental Management
8015/8080	Equine Science
8094	Equine Science, Advanced
8041	Fisheries and Wildlife Management
8055	Floral Design I
8056	Floral Design II
8038	Floriculture
8042	Forestry Management
8044	Forestry Management, Advanced
8006	Foundations of Agriculture, Food, and Natural Resources
8035	Greenhouse Plant Production and Management
8034	Horticulture Sciences
8013/8011/8009/8002	Introduction to Agriscience
8008	Introduction to Animal Systems
8040	Introduction to Natural Resources and Ecology Systems (Revised)
8007	Introduction to Plant Systems (Revised)
8016	Introduction to Power, Structural, and Technical Systems
8036	Landscaping I
8039	Landscaping II
8012	Livestock Production Management
8014	Operating the Farm Business
8043	Outdoor Recreation, Parks, and Tourism Systems Management
8081/8083	Small Animal Care I
8084	Small Animal Care II
8021/8082	Small Engine Repair



8051
8054
8088
8089

Turf Grass Management
Turf Grass Management, Advanced
Veterinary Science I
Veterinary Science II



2021-2022 Course Listing: Business and Information Technology

Course Code	Course Title
6320	Accounting
6321	Accounting, Advanced
6745/6746	Business Individualized Program
6131/6132	Business Law
6135/6136	Business Management
6612/6614	Computer Information Systems
6613/6615	Computer Information Systems, Advanced
6650	Computer Network Software Operations (Revised)
6651	Computer Network Software Operations, Advanced (Revised)
6606/6607/6608/6609/6610	Computer Solutions
6302	Cybersecurity Fundamentals (Revised)
6304	Cybersecurity Operations (Revised; formerly Cybersecurity Software Operations)
6306	Cybersecurity Operations, Advanced (Revised; formerly Cybersecurity Software Operations, Advanced)
6660	Database Design and Management (Oracle)
6662	Database Design and Management with PL/SQL (Oracle)
6630/6632	Design, Multimedia, and Web Technologies (Revised)
6631/6633	Design, Multimedia, and Web Technologies, Advanced (Revised)
6617/6611	Digital Applications
6160/6161	Digital Technology Foundations
6120	Economics and Personal Finance
6670	Information Technology (IT) Fundamentals
IB6135	International Baccalaureate Business Management (Revised)
IB6613	International Baccalaureate Information Technology in a Global Society (Revised)
IB9098	International Baccalaureate (IB) Personal and Professional Skills (PPS)
6661	Java Programming (Oracle)
6147/6148/6149/6150	Keyboarding Middle
6735/6736	Legal Administration
6730/6731	Medical Administration
6621/6622	Office Administration
6740	Office Specialist I—Preparation
6741	Office Specialist II—Preparation
6742	Office Specialist III—Preparation
6121	Personal Finance
6115/6116	Principles of Business and Marketing
6640	Programming
6641	Programming, Advanced



2021-2022 Course Listing: Career Connections

Course Code	Course Title
9066	Career Explorations: Elementary Grades
9069/9070	Career Investigations
9074/9071	Career Strategies
9030/9031/9032/9082/9083	Education for Employment Exploratory Development
9020/9021/9022/9075/9076	Education for Employment Exploratory Preparation
9084/9085	Education for Employment I—Development
9086/9087	Education for Employment II—Development
9077/9078	Education for Employment I—Preparation
9079/9080	Education for Employment II—Preparation
9093	Entrepreneurship Education
9094	Entrepreneurship Education, Advanced
9091	Introduction to Leadership
9096/9097	Leadership Development



2021-2022 Course Listing: Family and Consumer Sciences

Course Code	Course Title
8279	Baking and Pastry Specialization (Replaces Culinary Arts Specialization [8279])
8282/8205	Career, Community and Family Connections
8272	Catering/Banquet Specialization (Replaces Culinary Arts Specialization [8279])
8232/8231	Child Development and Parenting (Revised)
8275	Culinary Arts I
8276	Culinary Arts II
8291	Cybersecurity in Family and Consumer Sciences
8292	Cybersecurity in Family and Consumer Sciences, Advanced
8285	Early Childhood, Education, and Services I
8286	Early Childhood, Education, and Services II
8208/8207/8206/8204	Family and Consumer Sciences Exploratory I
8263/8262/8261/8260	Family and Consumer Sciences Exploratory II
8245/8244/8243/8242/8241	Family and Consumer Sciences Exploratory III
8264	Family and Human Services I
8265	Family and Human Services II
8225/8223	Family Relations
8280	Fashion Careers I
8281	Fashion Careers II
8239	Food Science and Dietetics (Revised)
8278/8277	GRADS (Graduation, Reality, and Dual-Role Skills): Family Focus (Revised)
8213	GRADS (Graduation, Reality, and Dual-Role Skills): Work Focus (Revised)
8202	Hospitality, Tourism, and Recreation I
8203	Hospitality, Tourism, and Recreation II
8219/8214	Independent Living (Revised)
8210/8209	Individual Development
8295	Interior Design I
8296	Interior Design II
8250/8249	Introduction to Culinary Arts
8234/8233	Introduction to Early Childhood, Education, and Services
8238/8237	Introduction to Family and Human Services
8248/8247	Introduction to Fashion Careers
8259/8258	Introduction to Hospitality, Tourism, and Recreation
8255/8254	Introduction to Interior Design
9061/9060	Introduction to Virginia Teachers for Tomorrow
8227/8226	Life Planning
8229/8228	Nutrition and Wellness
8273	Quantity Food Specialization (Replaces Culinary Arts Specialization [8279])
8274	Restaurant Operation Specialization (Replaces Culinary Arts Specialization [8279])
9062	Virginia Teachers for Tomorrow I
9072	Virginia Teachers for Tomorrow II



2021-2022 Course Listing: Health and Medical Sciences

Code	Title
8382	Biomedical Innovation (PLTW)
8347	Biomedical Technician
8344	Biotechnology Foundations in Health and Medical Sciences (Revised)
8328	Dental Careers I (Revised)
8329	Dental Careers II (Revised)
8336	Emergency Medical Responder
8333	Emergency Medical Technician I
8334	Emergency Medical Technician II
8335	Emergency Medical Technician III
8337	Emergency Medical Telecommunications
8339	Healthcare Information Cybersecurity
8370	Health and Medical Sciences Exploratory
8331	Health Assisting Careers
8338	Health Informatics
8364	Home Health Aide
8380	Human Body Systems (PLTW)
8302	Introduction to Health and Medical Sciences
8354	Introduction to Mortuary Science
8390	Introduction to Nutrition for Health and Medical Sciences
8345	Medical Assistant I
8346	Medical Assistant II
8388	Medical Coding and Billing I (Revised)
8389	Medical Coding and Billing II (Revised)
8381	Medical Interventions (PLTW)
8377	Medical Laboratory Technology I (Revised)
8378	Medical Laboratory Technology II (Revised)
8383	Medical Terminology
8368	Medication Aide
8332	Mental Health Assisting Careers
8360	Nurse Aide I
8355	Nurse Aide I Condensed
8362	Nurse Aide II
8356	Nurse Aide II Condensed
8303	Patient Care Technician
8305	Pharmacy Technician I
8306	Pharmacy Technician II
8365	Physical/Occupational Therapy I
8366	Physical/Occupational Therapy II
8357	Practical Nursing I
8358	Practical Nursing II
8359	Practical Nursing III
8379	Principles of the Biomedical Sciences (PLTW)
8375	Radiologic Technology I
8376	Radiologic Technology II
8372	Respiratory Therapy I
8373	Respiratory Therapy II
7660	Sports Medicine I
8316	Sports Medicine I Condensed



7662	Sports Medicine II
8317	Sports Medicine II Condensed
8367	Sterile Processing Technician
8351	Surgical Technologist I
8352	Surgical Technologist II
8397	Vision Care Technician I
8398	Vision Care Technician II



2021-2022 Course Listing: Marketing

Course Code	Course Title
8126	Cybersecurity in Marketing
8127	Cybersecurity in Marketing, Advanced
8125	Digital and Social Media Marketing (Revised)
8140	Fashion Marketing
8145	Fashion Marketing, Advanced
8159	Hotel Management and Operations
8110/8111	Introduction to Marketing
8109/8112/ 8113/8114	Make It Your Business
8120	Marketing
8132	Marketing Management (Revised)
8130	Marketing, Advanced
8135	Opportunities in Global Trade
8136	Opportunities in Global Trade, Advanced
8191	Real Estate
8175	Sports and Entertainment Marketing (Revised)
8177	Sports and Entertainment Management (Revised)
8139	Travel and Tourism Marketing
8169	Travel, Tourism, and Destination Marketing



2021-2022 Course Listing: Military Science

Course Code	Course Title
AF7913	Air Force JROTC I
AF7916	Air Force JROTC II
AF7918	Air Force JROTC III
AF7919	Air Force JROTC IV
AR7913	Army JROTC I
AR7916	Army JROTC II
AR7918	Army JROTC III
AR7919	Army JROTC IV
MC7913	Marine Corps JROTC I
MC7916	Marine Corps JROTC II
MC7918	Marine Corps JROTC III
MC7919	Marine Corps JROTC IV
NA7913	Navy JROTC I
NA7916	Navy JROTC II
NA7918	Navy JROTC III
NA7919	Navy JROTC IV

2021-2022 Course Listing: Technology Education

Course Code	Course Title
8438	Advanced Drawing and Design (Revised)
8428	Aerospace Engineering (PLTW)
8487	Aerospace Technology I
8488	Aerospace Technology II
AC8479	App Creators (PLTW)
8437/8492	Architectural Drawing and Design (Revised)
AR8476	Automation and Robotics (PLTW)
8467	Biomedical Engineering
8468	Biotechnology Foundations in Technology Education
8430	Civil Engineering and Architecture (PLTW)
8415/8418	Communication Systems
8442	Computer Integrated Manufacturing (PLTW)
8431/8432	Construction Technology
8499	Cybersecurity in Manufacturing
8496	Cybersecurity in Manufacturing, Advanced
DM8476	Design and Modeling (PLTW)
8440	Digital Electronics (PLTW)
8459	Digital Visualization
8416/8417	Electronics Systems I
8412	Electronics Systems II
8413	Electronics Systems III
8448/8495	Energy and Power (Revised)
EE8479	Energy and the Environment (PLTW)
ED8411	Energy Demand: Sustainability and Efficiency
LC8411	Energy Source Life Cycle
ES8411	Energy Supply: Sustainability and Efficiency
TD8411	Energy Transmission and Distribution, Advanced
EES8411	Engineered Energy Systems
8451	Engineering Analysis and Applications II
8452	Engineering Concepts and Processes III
8443	Engineering Design and Development (PLTW)
8436/8493	Engineering Drawing and Design (Revised)
8450	Engineering Explorations I
8453	Engineering Practicum IV
8491	Engineering Studies
FS8479	Flight and Space (PLTW)
8409	Forensic Technology
FP8411	Fundamentals of Power Generation
8400	Game Design and Development
8401	Game Design and Development, Advanced
8423	Geospatial Technology I
8424	Geospatial Technology II
8419	Global Logistics and Enterprise Systems I

8422	Global Logistics and Enterprise Systems II
8458/8494	Graphic Communications Systems
GA8479	Green Architecture (PLTW)
8474/8455	Imaging Technology
IB4585	International Baccalaureate Design Technology I
IB4586	International Baccalaureate Design Technology II
IT8411	Introduction to Energy Transmission and Distribution
8439	Introduction to Engineering Design (PLTW)8454/8456/8480/8481/8482/ Introduction to Technology
8483/8484	
8461/8464/ 8485	Inventions and Innovations
ME8479	Magic of Electrons (PLTW)
8425/8426	Manufacturing Systems I
8427	Manufacturing Systems II, Advanced
8433/8478	Materials and Processes Technology
MD8479	Medical Detectives (PLTW)
8460	Modeling and Simulation Technology (Revised)
8444/8445	Power and Transportation
PG8411	Power Generation Design and Function
8441	Principles of Engineering (PLTW)
9811	Principles of Technology I (Revised)
9812	Principles of Technology II (Revised)
8446/8447	Production Systems
8408	Renewable Energy (Revised)
ST8479	Science of Technology (PLTW)
8470	Software Engineering (PLTW)
8473	Software Engineering Essentials (PLTW)
8414	Sustainability and Renewable Technologies
8434/8435	Technical Drawing and Design (Revised)
8477/8457/8486/8463/8462	Technological Systems
8406/8407	Technology Assessment
8471	Technology Education—Development
8769	Technology Education—Preparation
8402/8403	Technology Foundations
8420/8421	Technology of Robotic Design
8404/8405	Technology Transfer
(NEW)	Unmanned Aircraft Systems (New)
8497	Video and Media Technology



2021-2022 Course Listing: Trade and Industrial Education

Course Code	Course Title
8570	Advertising Design I
8571	Advertising Design II
8734	Air Traffic Controller
8731	Aircraft Pilot Training I
8732	Aircraft Pilot Training II
8676	Auto Body Technology I
8677	Auto Body Technology II
8678	Auto Body Technology III
8506	Automotive Technology I
8502	Automotive Technology I (MLR 3-Year Program)
8507	Automotive Technology II
8508	Automotive Technology III
8728	Aviation Maintenance Technology I
8729	Aviation Maintenance Technology II
8730	Aviation Operations Management
8740	Barbering I (Three-year program)
8741	Barbering II (Three-year program)
8742	Barbering III (Three-year program)
8743	Barbering I (Two-year program)
8744	Barbering II (Two-year program)
8724	Basic Small Engine Repair
8546	Beauty Salon Assistant
8590	Building Management I
8591	Building Management II
8592	Building Management III
8515	Building Trades I
8516	Building Trades II
8604	Cabinetmaking I
8605	Cabinetmaking II
8601	Carpentry I
8602	Carpentry II
8603	Carpentry III
8607	Commercial Photography I
8608	Commercial Photography II
8542	Computer Networking Hardware Operations I (Revised)
8543	Computer Networking Hardware Operations II (Revised)
8544	Computer Networking Hardware Operations III (Revised)

8545	Computer Networking Hardware Operations IV (Revised)
8622	Computer Systems Technology I
8623	Computer Systems Technology II
8527	Cosmetology I (Three-year Program)
8528	Cosmetology II (Three-year Program)
8529	Cosmetology III (Three-year Program)
8745	Cosmetology I (Two-year program)
8746	Cosmetology II (Two-year program)
8702	Criminal Justice I
8703	Criminal Justice II
8630	Cybersecurity Network Systems
8628	Cybersecurity Systems Technology
8629	Cybersecurity Systems Technology, Advanced
8613	Diesel Equipment Technology I
8614	Diesel Equipment Technology II
8615	Diesel Equipment Technology III
8530	Drafting I
8531	Drafting II
8532	Drafting III
8533	Electricity I
8534	Electricity II
8535	Electricity III
8537	Electronics Technology II
8547	Electronics-Industrial Robotics Technology
8489	Entertainment Design and Technology
8705	Firefighting I
8706	Firefighting II
8660	Graphic Imaging Technology I
8661	Graphic Imaging Technology II
8503	Heating, Ventilation, Air Conditioning, and Refrigeration I
8504	Heating, Ventilation, Air Conditioning, and Refrigeration II
8575	Industrial Maintenance Technology I
8576	Industrial Maintenance Technology II
8558	Industrial Robotics Technology II
8750	Marine Service Technology I
8751	Marine Service Technology II
8512	Masonry I
8513	Masonry II
8514	Masonry III
8554	Mechatronics I (Revised)
8555	Mechatronics II (Revised)
8556	Mechatronics III (Revised)
8509	Motorsports Technology I
8510	Motorsports Technology II
8511	Motorsports Technology III
8692	Nail Technician I
8693	Nail Technician II
8551	Plumbing I
8552	Plumbing II
8539	Precision Machining Technology I (Revised)
8540	Precision Machining Technology II (Revised)

8700	Public Safety I
8701	Public Safety II
8640	Radio Communications I
8641	Radio Communications II
8663	Sheet Metal I
8664	Sheet Metal II
8725	Small Engine Technology I (Revised)
8726	Small Engine Technology II (Revised)
8650	Telecommunications I
8651	Telecommunications II
8688	Television and Media Production I
8689	Television and Media Production II
8690	Television and Media Production III
8616	Utility/Heavy Construction I
8617	Utility/Heavy Construction II
8672	Welding I (Revised)
8673	Welding II (Revised)
8674	Welding III (Revised)