

WANDO HIGH SCHOOL



Curriculum Framework And Program Guide



2020-2021

CURRICULUM FRAMEWORK, SCHOOLS OF STUDY AND MAJORS

South Carolina high school students face many challenges – higher education standards, increasing college entrance requirements, and growing workforce demands. For students to be successful, high schools must provide a curriculum that is challenging and relevant. They must also offer a sequence of courses to assist students in becoming passionate, lifelong learners.

A framework for curriculum planning aids students and their parents in this process. An effective curriculum framework must have high standards and expectations for all students, a rigorous curriculum that prepares them for post-secondary education and engaging instructional strategies designed to help students learn important concepts and ideas in depth.

The Wando High School Curriculum Framework includes a rigorous curriculum design and a requirement that each student develop a challenging Individual Graduation Plan. Working with their parents, counselors and teachers, students develop plans that include academic as well as profession-related courses. Their plans also identify extended learning opportunities that are designed to prepare students for transition to post-secondary education and the workplace.

Wando High School strives to provide a comprehensive curriculum to address the individual needs of all of our students. The framework design allows for an integrated, multi-dimensional approach to planning that helps students become successful learners for high school and beyond. The framework provides a structure for planning and communicating high expectations.

A comprehensive curriculum framework includes the following elements:

- Schools of Study
- Clusters of Study
- Majors within each cluster of study
- Individual Graduation Plan

A School of Study is a way to organize the curriculum into broad program areas that are inter-related in nature and that relate to various professions and academic areas of study. There are four schools of study in our framework:

School of Arts and Humanities

School of Business and Information Systems

•School of Mathematics, Science and Engineering

•School of Health, Human and Public Services

A **Cluster of Study** is a means of organizing instruction and student experiences around broad categories that encompass virtually all occupations from entry level through professional levels.

Clusters of Study provide a way to organize and tailor course work and learning experiences around areas of interests. Clusters of study are designed to provide a seamless transition from high school study to post-secondary study and/or the workforce. Nationally and in South Carolina, there are 16 national clusters of study as a means of organizing curriculum. They are:

Agriculture, Food & Natural Resources	Architecture & Construction
Arts, Audio /Video and Technology	Business Management & Administration
Education & Training	Finance
Government & Public Administration	Health Science
Hospitality & Tourism	Human Services
Information Technology	Law, Public Safety, Corrections & Security
Manufacturing	Marketing
Science, Technology, Engineering & Mathematics	Transportation, Distribution & Logistics

A Cluster of Study has several **majors** within it. A major consists of a number of required units of study in that area. It is recommended that students take at least one course at the highest level offered. Students are asked to select a cluster of study prior to the tenth grade. By the end of the tenth grade, students are asked to select a major, focusing their academic and elective interest in a specific area. With careful planning, some students may complete more than one major. Students can change a cluster or major if their interests change. Students are never locked into a specific cluster or major. Although students need to declare a major by the end of the tenth grade, completion of a major is not a requirement for a South Carolina High School Diploma.

An **Individual Graduation Plan (IGP)** is a document used to assist students and their parents in exploring educational and professional possibilities and in making appropriate secondary and post-secondary decisions. It can be modified over time as the student's interests and skills develop or change. The IGP is based on the student's academic record, work and general life experiences, and the results of assessments, such as career inventories and achievement tests and is reviewed annually.

A student who completes a major as defined in the Curriculum Framework will "walk" at graduation with a colored cord representing the School of Study. Students may be completers in more than one major in a cluster, or more than one major in multiple clusters and may wear one cord per School of Study accordingly. Senior transcripts and Individual Graduation plans will be reviewed to identify qualifying students.

2020-2021 Wando High School Curriculum Framework

School of Arts and Humanities	School of Business and Information Systems	School of Mathematics, Science, and Engineering	School of Health, Human and Public Services
Arts & Communications Cluster Advanced Placement Arts and Architecture English Journalism and Mass Communication Media Technology Performing Arts Visual Arts World Languages	Business, Management & Administration Cluster Business Information Management General Management Operations Management Finance Cluster Accounting Business Finance Securities and Investments	Agriculture, Food & Natural Resources Cluster Ecology Horticulture Manufacturing Cluster Advanced Manufacturing Science, Technology, Engineering & Mathematics Cluster Engineering (PLTW) Mathematics Science	Government & Public Administration Cluster Military Leadership Public Service and Administration Health Science Cluster Biomedical Science (PLTW) Biotechnology, Medical Science and Research Health Science Sports Medicine
Education & Training Cluster Teaching and Training	Hospitality & Tourism Cluster Culinary Arts Hospitality & Tourism Management		Human Services Cluster Cosmetology Early Care and Education
Information Technology Cluster) Information Support and Services Networking Systems Web and Digital Communications		Transportation, Distribution & Logistics Cluster Automotive Technology	Law, Public Safety, Corrections & Security Cluster Law and Legal Services
Marketing Cluster Marketing Communications Marketing Management Real Estate			

2020-2021 WANDO HIGH SCHOOL CURRICULUM FRAMEWORK

SCHOOL OF ARTS AND HUMANITIES

Arts, A/V Technology & Communications Cluster

Advanced Placement	Media Technology
Arts and Architecture	Performing Arts
English	Visual Arts
Journalism and Mass Communication	World Languages

Education and Training Cluster

Teaching and Training

MAJORS

Arts, A/V Technology & Communications Cluster

Major: Advanced Placement		Major: Arts and Architecture	
Approved Courses for Major (4 Required to Complete Major)	Any four Advanced Placement courses	Approved Courses for Major (4 Required to Complete Major)	Required Courses: Art 1 Art 2 Additional Approved Courses: PLTW Civil Engineering and Architecture PLTW Introduction to Engineering Design

Major: English		
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement English Language and Composition Advanced Placement English Literature and Composition Creative Writing 1 Creative Writing 2 English Composition I, ENG 101 (Dual Credit)	English Composition II, ENG 102 (Dual Credit) Journalism (one credit only) Newspaper Production Newspaper Production 2 Speech

Major: Journalism and Mass Communication		
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement English Language and Composition Advanced Placement English Literature and Composition Digital Publication Design English Composition I, ENG 101 (Dual Credit) English Composition II, ENG 102 (Dual Credit) Journalism Media Technology 1	Media Technology 2 Media Technology 3 Media Technology 4 Newspaper Production Newspaper Production 2 Photography 1 Photography 2 Speech Yearbook Production Yearbook Production 2

Major: Media Technology	
Approved Courses for Major (4 Required to Complete Major)	Media Technology 1 Media Technology 2 Media Technology 3 Media Technology 4

Major: Performing Arts	
Approved Courses for Major (4 Required to Complete Major)	Band courses Chorus courses Guitar 1 Orchestra courses Theatre courses

Major: Visual Arts		
Approved Courses for Major (4 Required to Complete Major)	Required Course: Art 1	Art 2 Art 3 Art 4
	Additional Approved Courses: Advanced Placement Studio Art: Drawing Advanced Placement Studio Art: Three-Dimensional Design Advanced Placement Studio Art: Two-Dimensional Design	Fundamentals of Web Page Design and Development Media Arts Photography 1 Photography 2

Major: World Languages	
Approved Courses for Major (4 Required to Complete Major)	French 2, 3, 4, 5, AP French OR German 2, 3, 4 OR Spanish 2, 3, 4, 5, AP Spanish OR Levels 2, 3 of one language and Levels 1, 2 of another language OR Levels 2, 3, 4 of one language and Level 1 of another language

Education and Training Cluster

Major: Teaching and Training	
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement course of choice related to college major Advanced Placement Psychology** Psychology** Sociology Speech Teacher Cadet Work-based credit

* Only one Psychology course may be used toward completer status

SCHOOL OF BUSINESS AND INFORMATION SYSTEMS

Business Management & Administration Cluster

Business Information Management
General Management
Operations Management

Information Technology Cluster

Information Support and Services
Networking Services
Web and Digital Communications

Finance Cluster

Accounting
Business Finance
Securities and Investment

Marketing Cluster

Marketing Communications
Marketing Management
Real Estate

Hospitality and Tourism Cluster

Culinary Arts Management	Hospitality and Tourism Management
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MAJORS

Business Management & Administration Cluster

Major: Business Information Management	
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Digital Publication Design Image Editing 1 Additional Approved Courses: Accounting 1 Business Law Digital Multimedia Entrepreneurship Foundations of Animation Fundamentals of Computing Fundamentals of Web Page Design and Development Integrated Business Applications 1

Major: General Management	
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Accounting 1 Entrepreneurship Additional Approved Courses: Business Finance Business Law Fundamentals of Web Page Design and Development Integrated Business Applications 1 Marketing Virtual Enterprise 1,2,3,4

Major: Operations Management

Approved Courses for Major (3 Required to Complete Major)	Required Courses: Virtual Enterprise 1 Virtual Enterprise 2	Additional Approved Courses: Accounting 1 Business Law Entrepreneurship Integrated Business Applications 1 Virtual Enterprise 3 Virtual Enterprise 4
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Finance Cluster

Major: Accounting

Approved Courses for Major (3 Required to Complete Major)	Required Courses: Accounting 1 Accounting 2 Additional Approved Courses: Banking Services Business Finance Entrepreneurship Integrated Business Applications 1 Personal Finance Virtual Enterprise 1,2,3,4
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Major: Business Finance

Approved Courses for Major (3 Required to Complete Major)	Required Courses: Accounting 1 Business Finance	Additional Approved Courses: Banking Services Business Law Entrepreneurship Integrated Business Applications 1 Marketing Personal Finance Securities and Investments
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Major: Securities and Investments

Approved Courses for Major (3 Required to Complete Major)	Required Courses: Business Finance Securities and Investments	Additional Approved Courses: Accounting 1 Banking Services Business Law Entrepreneurship Integrated Business Applications 1 Marketing Personal Finance
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Hospitality and Tourism Cluster

Major: Culinary Arts Management	
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Culinary Arts Management 1 Culinary Arts Management 2 Additional Approved Courses: Accounting 1 Entrepreneurship Fundamentals of Web Page Design and Development Integrated Business Applications 1

Information Technology Cluster

Major: Information Support and Services		Major: Networking Systems	
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Advanced Computer Repair & Service Computer Repair & Service Additional Approved Courses: Discovering Computer Science Entrepreneurship Fundamentals of Computing Fundamentals of Web Page Design and Development Game Design and Development Networking Fundamentals	Approved Courses for Major (3 Required to Complete Major)	Required Courses: Networking Fundamentals Advanced Networking Additional Approved Courses: Discovering Computer Science Entrepreneurship Fundamentals of Computing Fundamentals of Web Page Design and Development

Major: Web and Digital Communications			
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Fundamentals of Web Page Design and Development Advanced Web Page Design and Development	Additional Approved Courses: Cyber Security Fundamentals Digital Media Marketing Digital Multimedia Digital Publication Design Discovering Computer Science Foundations of Animation Fundamentals of Computing Image Editing Integrated Business Applications 1 Game Design and Development	

Marketing Cluster

Major: Marketing Communications		
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Marketing Digital Media Marketing	Additional Approved Courses: Cyber Security Fundamentals Digital Media Marketing Digital Multimedia Digital Publication and Design Entrepreneurship Fundamentals of Web Page Design and Development Image Editing Integrated Business Applications 1 Virtual Enterprise 1,2,3,4

Major: Marketing Management		
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Marketing Marketing Management	Additional Approved Courses: Accounting 1 Business Finance Business Law Entrepreneurship Integrated Business Applications 1 Event and Entertainment Management Travel and Tourism Management Virtual Enterprise 1,2,3,4

Major: Real Estate		
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Marketing Real Estate	Additional Approved Courses: Business Finance Business Law Entrepreneurship

SCHOOL OF MATHEMATICS, SCIENCE AND ENGINEERING

Agriculture, Food & Natural Resources Cluster

Ecology
Horticulture

Manufacturing Cluster

Advanced Manufacturing

Science, Technology, Engineering & Mathematics Cluster

Computer and Information Systems Security/Information	Mathematics
PLTW Engineering	Science

Transportation, Distribution and Logistics Cluster

Automotive Technology

MAJORS

Agriculture, Food & Natural Resources Cluster

Major: Ecology		Major: Horticulture	
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement Environmental Science Environmental Science Integrated Business Applications 1 Marine Science Wildlife Biology and Management Techniques	Approved Courses for Major (4 Required to Complete Major)	Introduction to Horticulture Equipment Operation and Maintenance Landscape Technology Nursery, Greenhouse, and Garden Center Technology Turf and Lawn Maintenance

Manufacturing Cluster

Major: Advanced Manufacturing		
Approved Courses for Major (4 Required to Complete Major)	Required Courses: PLTW Introduction to Engineering Design PLTW Principles of Engineering	Additional Approved Courses (Apprenticeships): Mechatronics 1 Mechatronics 2

Science, Technology, Engineering & Mathematics Cluster

Major: Computer and Information Systems Security/Information Assurance

Approved Courses for Major (4 Required to Complete Major)	Required Courses: Cyber Security Fundamentals Advanced Cyber Security	Additional Approved Courses: Fundamentals of Computing Networking Fundamentals Advanced Networking
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Major: PLTW Pre-Engineering

Approved Courses for Major (4 Required to Complete Major)	Required Courses: PLTW Introduction to Engineering Design PLTW Principles of Engineering	Additional Approved Courses: PLTW Aerospace Engineering PLTW Civil Engineering and Architecture PLTW Computer Integrated Manufacturing PLTW Digital Electronics PLTW Engineering Design and Development PLTW Environmental Sustainability
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Major: Mathematics

Approved Courses for Major (4 Required to Complete Major)	Required Courses: Honors or Advanced Placement Calculus Pre-Calculus	Additional Approved Courses: Accounting 2 Advanced Placement Computer Science A Advanced Placement Physics Advanced Placement Statistics College Algebra, MAT 110 (Dual Credit) Physics Probability and Statistics Probability and Statistics, MAT 120 (Dual Credit)
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Major: Science		
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement Biology Advanced Placement Chemistry Advanced Placement Environmental Science Advanced Placement Physics Anatomy and Physiology Anatomy and Physiology I, BIO 210 (Dual Credit) Anatomy and Physiology II, BIO 211 (Dual Credit)	Astronomy Biology 2 Chemistry 2 Environmental Science Marine Science Physics Wildlife Biology and Management Techniques

Major: Automotive Technology	
Approved Courses for Major (4 Required to Complete Major)	Introduction to Transportation, Distribution, and Logistics Automotive Technology 1 Automotive Technology 2 Automotive Technology 3

SCHOOL OF HEALTH, HUMAN AND PUBLIC SERVICES

Government & Public Administration Cluster

Military Leadership

Public Service & Administration

Health Science Cluster

Biomedical Science

Biotechnology, Medical Science and Research

Health Science

Sports Medicine

Human Services Cluster

Cosmetology

Early Care and Education

Law, Public Safety, Corrections & Security

Law & Legal Services

MAJORS

Government & Public Administration Cluster

Major: Military Leadership

Approved Courses for Major

(4 Required to Complete Major)

Required Courses:

Aerospace Science 1 (JROTC)

Aerospace Science 3 (JROTC)

Aerospace Science 2 (JROTC)

Aerospace Science 4 (JROTC)

Major: Public Service & Administration

Approved Courses for Major

(4 Required to Complete Major)

Required Courses:

Advanced Placement European History

Advanced Placement World History

Advanced Placement Human Geography

American Government, PSC 201 (Dual Credit)*

Advanced Placement Microeconomics*

Macroeconomics, ECO 210 (Dual Credit)*

Advanced Placement Psychology

Psychology

Advanced Placement U.S. Government & Politics *

Sociology

Advanced Placement U. S. History*

* If not used as one of the Social Studies units required for graduation

Health Science Cluster

Major: Biomedical Sciences (PLTW)		
Approved Courses for Major (3 Required to Complete Major)	Required Courses: PLTW Human Body Systems PLTW Principles of Biomedical Science	Additional Approved Courses : PLTW Medical Interventions PLTW Biomedical Innovation Health Science 1,2,3 Medical Terminology Sports Medicine 1,2

Major: Biotechnology, Medical Science and Research		
Approved Courses for Major (4 Required to Complete Major)	Advanced Placement Biology Advanced Placement Chemistry Advanced Placement Physics Anatomy and Physiology Anatomy and Physiology I, BIO 210 (Dual Credit) Anatomy and Physiology II, BIO 211 (Dual Credit)	Biology 2 Chemistry 2 PLTW Environmental Sustainability Health Science 1 Health Science 2 Medical Terminology

Major: Health Science	
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Health Science 1 Health Science 2 Additional Approved Courses: PLTW Human Body Systems Medical Terminology PLTW Principles of Biomedical Science Sports Medicine 1, 2

Major: Sports Medicine		
Approved Courses for Major (3 Required to Complete Major)	Required Courses: Sports Medicine 1 Sports Medicine 2	Additional Approved Courses: Sports Medicine 3 Medical Terminology Health Science 1,2,3 PLTW Principles of Biomedical Science PLTW Human Body Systems

Any student that is a successful completer by the end of their junior year or first semester senior year, or have met all the prerequisites, may apply for the following senior level courses that include an industry certification:

Pharmacology for Medical Careers – Pharmacy Technician

Prerequisite: Completer in any three unit pathway

Health Science Clinical Study – Certified Nursing Assistant - CNA

Course Sequence:

- Health Science 1 (Grade of 75 or above)
- Health Science 2 (Grade of 75 or above)
- Medical Terminology, Human Body Systems, Anatomy and Physiology, or AP Biology
- Health Science Clinical Study: Certified Nursing Assistant – CAN

Human Services Cluster

Major: Cosmetology	
Approved Courses for Major (4 required to complete major)	Cosmetology 1 (2 units) Cosmetology 2 (2 units) Cosmetology 3 (2 units) Cosmetology 4 (2 units)

Major: Early Care and Education		
Approved Courses for Major (4 required to complete major)	Accounting 1 Advanced Placement Psychology** Business Finance Business Law English elective Entrepreneurship Marketing	Math elective Science elective Psychology** Sociology Teacher Cadet

Law, Public Safety, Corrections & Security Cluster

Major: Law and Legal Services	
Approved Courses for Major (4 required to complete major)	Advanced Placement English*** Advanced Placement Psychology** Advanced Placement U. S. Government and Politics* Business Law Integrated Business Applications 1 Psychology** Rhetoric of Law Sociology Speech

*If not used as one of the social studies units required for graduation

**Only one Psychology course may be used toward completer status

***If not being used as a graduation credit