

CURRICULUM FRAMEWORK, SCHOOLS OF STUDY, AND MAJORS



Wando High School



1000 Warrior Way
Mount Pleasant, South Carolina 29466
(843) 881-8200
www.wandohigh.com

Lucy G. Beckham, Principal



2010 - 2011

Charleston > excellence is our standard
County SCHOOL DISTRICT

CURRICULUM FRAMEWORK, SCHOOLS OF STUDY, AND MAJORS

All Wando High School students are strongly encouraged to develop goals and plans for life after high school graduation. Students will be asked to select a major in one of the career-related **Schools of Study** offered at Wando. This choice is a collaborative effort involving students, parents, teachers, and counselors. Students will select a major that reflects their interests and abilities leading to the achievement of personal, education, and career goals. During registration each spring, students will have the opportunity to reevaluate their goals and adjust their plans accordingly.

Four Schools of Study have been established:

School of Arts and Humanities
School of Business and Information Systems
School of Mathematics, Science, and Engineering
School of Health, Human and Public Services

Based on their choices, students will be able to follow our Curriculum Framework which organizes our many course offerings based on a student's long-term college and career goals. No matter what major a student chooses, the high school graduation core requirements are the same. The intent of the Curriculum Framework is to clearly advise students of recommended elective choices concentrating on the courses which provide the best preparation for post-secondary education and employment. A listing and description of all courses offered at Wando is provided in the Program of Studies which is updated annually.

We believe using a career-related school approach to teaching and learning will help students to see the relevance of their course work and its connection to their future. Teachers are assigned to a "School of Study" based on their individual interests and their academic and professional training. To help build a greater sense of community among faculty and students, each "School" is assigned to its own area within the larger building. We anticipate that when fully implemented each "School of Study" will serve 450 – 800 students, compared to the 2300 students currently in grades 10 – 12. Wando's Schools of Study will allow greater personalization and provide opportunities for stronger relationships among students and between students and staff.

Our Honors and Advanced Placement courses will be interspersed among the Schools. Our Honors/Advanced Placement students already have an informal smaller learning community established but they will also benefit from focused goal-setting and college and career planning. Students who complete at least four Advanced Placement courses will be recognized as having completed an Advanced Placement major.

TABLE OF CONTENTS

Wando High School Curriculum Framework, 10th – 12th Grades 1

School of Arts and Humanities

Arts and Communications Cluster 2

Majors

- Advanced Placement 2
- Arts and Architecture 2
- Digital Art and Design 2
- English 3
- Fashion Design and Apparel Construction 3
- Journalism and Mass Communication 3
- Modern and Classical Languages 4
- Performing Arts 4
- Visual Arts 4

Education and Training Cluster 5

Major

- Teaching and Training 5

School of Business and Information Systems

Business, Management, and Administration Cluster 6

Majors

- Business Information Management 6
- General Management 6
- Operations Management 7

Finance Cluster 7

Major

- Accounting 7

Hospitality and Tourism Cluster 7

Majors

- Culinary Arts 7
- Hospitality Management and Operations 8

Information Technology Cluster 8

Majors

- Information and Support Services 8
- Web and Digital Communications (Interactive Media) 9
- Networking Systems 9
- Programming and Software Development 9

Marketing, Sales, and Service Cluster	10
Majors	
Marketing Communications	10
Marketing Management	10

School of Mathematics, Science, and Engineering

Agriculture, Food, and Natural Resources Cluster	11
Majors	
Ecology	11
Horticulture	11
Science, Technology, Engineering, and Mathematics Cluster	11
Majors	
Computer Science	11
Engineering	12
Mathematics	12
Science	12
Transportation, Distribution, and Logistics Cluster	13
Major	
Logistics, Planning, and Management	13

School of Health, Human and Public Services

Government and Public Administration Cluster	14
Majors	
Military Leadership	14
Public Service and Administration	14
Health Science Cluster	15
Majors	
Biomedical Science	15
Biotechnology, Medical Science and Research	15
Health Science	16
Human Services Cluster	16
Major	
Early Care and Education	16
Law, Public Safety, and Security Cluster	16
Majors	
Law and Legal Services	16
Emergency and Fire Management Services (future offering)	16
Law Enforcement Services (future offering)	16

2010-2011 Wando High School Curriculum Framework: Grades 10 - 12	17
---	----

Wando High School Curriculum Framework 10th - 12th Grades

School of Arts and Humanities

Arts and Communications

- Advanced Placement
- Arts and Architecture
- Digital Art and Design
- English
- Fashion Design and Apparel Construction
- Journalism and Mass Communication
- Modern and Classical Languages
- Performing Arts
- Visual Arts

Education and Training

- Teaching and Training

School of Business and Information Systems

Business, Management, and Administration

- Business Information Management
- General Management
- Operations Management

Finance

- Accounting

Hospitality and Tourism

- Culinary Arts
- Hospitality Management and Operations

Information Technology

- Information Support and Services
- Web and Digital Communications (Interactive Media)
- Networking Systems
- Programming and Software Development

Marketing, Sales, and Service

- Marketing Communications
- Marketing Management

School of Mathematics, Science, and Engineering

Agriculture, Food, and Natural Resources

- Ecology
- Horticulture

Science, Technology, Engineering, and Mathematics

- Computer Science
- Engineering
- Mathematics
- Science

Transportation, Distribution, and Logistics

- Logistics, Planning, and Management

School of Health, Human and Public Services

Government and Public Administration

- Military Leadership
- Public Service and Administration

Health Science

- Biomedical Science
- Biotechnology, Medical Science and Research
- Health Science

Human Services

- Early Care and Education

Law, Public Safety, and Security

- Law and Legal Services
- Emergency and Fire Management Services (future offering)
- Law Enforcement Services (future offering)

School of Arts and Humanities

Arts and Communications Cluster

Major: Advanced Placement

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Any four Advanced Placement courses	AP Seminars linked to Advanced Placement courses Any honors courses that would complement the area of interest

Major: Arts and Architecture

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Civil Engineering and Architecture* Fundamentals of Visual Design (Art 1)* Introduction to Engineering Design* Two-Dimensional Design 1 (2-D I)*	Other Art electives Calculus Digital Art and Design 1, 2 (Advertising Design 1, 2) Digital Multimedia History of the Lowcountry Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Industrial Technology 1 Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Internship Modern and Classical Language courses Other Engineering electives Physics Principles of Engineering Roman Civilization

*required

Major: Digital Art and Design

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Digital Art and Design 1 (Advertising Design 1)* Digital Art and Design 2 (Advertising Design 2)* Digital Art and Design 3, 4 Work-based Credit	Advanced Gaming and Animation Anatomy and Physiology Art classes Astronomy Digital Desktop Publishing Digital Multimedia Foundations of Animation (Animated Computer Production) Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Marine Science Marketing Web Page Design and Development 1

*required

Major: English

Required Courses for Major (Minimum of four credits required)
AP English Language and Composition AP English Literature and Composition Creative Writing 1, 2 English Composition I, ENG 101 (Dual Credit) English Composition II, ENG 102 (Dual Credit) Journalism (one credit only) Newspaper Production Public Speaking, SPC 205 (Dual Credit) Speech

Complementary Courses
African-American and Multicultural Studies Broadcast Journalism 1, 2 (Video Production 1, 2) Drama courses Other English courses Fine Arts courses Internship Journalism courses Latin Social Studies courses Teacher Cadet Yearbook Production 1, 2

Major: Fashion Design and Apparel Construction

Required Courses for Major (Minimum of four credits required)
Fashion Design and Apparel Construction 1* Fashion Design and Apparel Construction 2* Entrepreneurship Fashion, Fabric and Design 1 Fashion Merchandising Marketing Management Work-based Credit

*required

Complementary Courses
Advanced Computer electives Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Modern and Classical Language courses Visual Arts electives

Major: Journalism and Mass Communication

Required Courses for Major (Minimum of four credits required)
Journalism 1 AP English Language and Composition AP English Literature and Composition Broadcast Journalism 1, 2 (Video Production 1, 2) Digital Desktop Publishing English Composition I, ENG 101 (Dual Credit) English Composition II, ENG 102 (Dual Credit) Integrated Business Applications 1 (Advanced Microsoft Applications 1) Newspaper Production 1, 2 Public Speaking, SPC 205 (Dual Credit) Speech Yearbook Production 1, 2

Complementary Courses
African-American and Multicultural Studies Creative Writing 1, 2 Digital Art and Design 1, 2, 3, 4 Digital Multimedia Drama electives Film Appreciation Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Internship Modern and Classical Language courses Science electives Social Studies electives Stage Technology 1, 2

Major: Modern and Classical Languages

Required Courses for Major (Minimum of four credits required)	Complementary Courses
French 2, 3, 4, 5 OR German 2, 3, 4, 5 OR Spanish 2, 3, 4, 5 OR Latin 2, 3, 4, 5 OR Levels 2, 3 of one language and Levels 1, 2 of another language OR Levels 2, 3, 4 of one language and Levels 1 of another world language	Aerospace Science AP European History OR AP World History AP Human Geography Anatomy and Physiology Global Business (globalMARKETS™) Internship Medical Terminology Other Modern and Classical Language courses Roman Civilization Science electives Social Studies electives Teacher Cadet

Major: Performing Arts

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Band courses Chorus courses Dance courses Drama courses Guitar 1 Music Theory courses Orchestra courses	Creative Writing 1, 2 Fashion Design and Apparel Construction 1, 2 Film Appreciation Fine Arts courses Internship Lyrical History Modern and Classical Language courses Speech Public Speaking, SPC 205 (Dual Credit) Stage Technology 1, 2 Teacher Cadet

Major: Visual Arts

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Fundamentals of Visual Design (Art 1)* AP Art - Drawing Portfolio AP Art - 2-D Design Portfolio AP Art - 3-D Design Portfolio Pre-AP Art (2-D) Pre-AP Art (3-D) Digital Multimedia Three-Dimensional Design 1 (3-D I) Three-Dimensional Design 2 Honors (3-D II H) Two-Dimensional Design 1 (2-D I) Two-Dimensional Design 2 Honors (2-D II H) Web Page Design and Development 1	Broadcast Journalism 1, 2 (Video Production 1, 2) Civil Engineering and Architecture Digital Art and Design 1 (Advertising Design 1) Digital Desktop Publishing Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2 2) Fashion Design and Apparel Construction 1 Fashion, Fabric and Design 1 Film Appreciation Internship Marketing Teacher Cadet

*required

Education and Training Cluster

Major: Teaching and Training

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP course of choice related to college major AP Psychology Digital Multimedia Human Growth and Development, PSY 203 (Dual Credit) Music Appreciation, MUS 105 (Dual Credit) Psychology Public Speaking, SPC 205 (Dual Credit) Sociology Speech Teacher Cadet	Aerospace Science Child Development 1, 2 Content Specific electives Internship Leadership Modern and Classical Language courses Performing Arts courses Visual Arts courses

School of Business and Information Systems

Business, Management, and Administration Cluster

Major: Business Information Management

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Digital Desktop Publishing* Web Page Design and Development 1* Digital Input Technology Digital Multimedia Entrepreneurship Foundations of Animation (Animated Computer Production) Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Information Technology Foundations Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Work-based Credit	AP Computer Science AP Statistics Business Law Computer Programming courses Digital Art and Design 1, 2 (Advertising Design 1, 2) Global Business (globalMARKETS™) Marketing courses Probability and Statistics

*required

Major: General Management

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Accounting 1* Entrepreneurship* Accounting 2 Business Finance Business Law Global Business (globalMARKETS™) Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Virtual Enterprise 1, 2, 3, 4 Work-based Credit	Advanced Computer electives Computer Programming courses Digital Art and Design 1, 2 (Advertising Design 1, 2) Environmental Studies Image Editing 1 (Digital Imaging 1/Photoshop 1) Marketing Marketing Management Personal Finance (formerly Business and Personal Finance) Probability and Statistics Psychology courses Speech Sports and Entertainment Marketing

*required

Major: Operations Management

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Virtual Enterprise 1* Virtual Enterprise 2* Accounting 1, 2 Business Law Digital Input Technology Entrepreneurship Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Virtual Enterprise 3, 4 Work-based Credit	Advanced Computer electives Advertising Digital Multimedia Global Business (globalMARKETS™) Marketing Marketing Management Modern and Classical Language courses Personal Finance (formerly Business and Personal Finance) Probability and Statistics Psychology courses Speech

*required

Finance Cluster

Major: Accounting

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Accounting 1* Accounting 2* Business Finance Entrepreneurship Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Personal Finance (formerly Business and Personal Finance) Virtual Enterprise 1, 2, 3, 4 Work-based Credit	AP Statistics Business Law Marketing Modern and Classical Language courses Speech

*required

Hospitality and Tourism Cluster

Major: Culinary Arts

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Culinary Arts 1 (2 units)* Culinary Arts 2 (2 units)* Accounting 1, 2 Entrepreneurship Hospitality Management and Operations 1 (Hotel Management and Tourism 1) Work-based Credit	Advertising Business Finance Business Law Digital Desktop Publishing Digital Multimedia History of the Lowcountry Image Editing 1 (Digital Imaging 1/Photoshop 1) Internship Marketing courses Modern and Classical Language courses Psychology courses Speech Web Page Design and Development 1

*required

Major: Hospitality Management and Operations

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Hospitality Management and Operations 1 (Hotel Management and Tourism 1)* Hospitality Management and Operations 2 (Hotel Management and Tourism 2)* Accounting 1, 2 Culinary Arts 1 Entrepreneurship Marketing Management Sports and Entertainment Marketing Work-based Credit	Advanced Computer electives AP Human Geography Advertising Business Law Digital Multimedia Environment Studies Global Business (globalMARKETS™) History of the Lowcountry Image Editing 1 (Digital Imaging 1/Photoshop 1) Marine Science Marketing Modern and Classical Language courses Psychology courses Speech Virtual Enterprise 1, 2, 3, 4 Web Page Design and Development 1 Wildlife Biology and Management

*required

Information Technology Cluster

Major: Information Support and Services

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Computer Service Technology 1 (A+)* Computer Service Technology 2 (A+)* AP Computer Science Computer Programming 1V Computer Programming 2V Computer Programming C Dual credit Computer Technology courses Entrepreneurship Information Technology Foundations Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Networking 1, 2 (Net+) Work-based Credit	Digital Desktop Publishing Digital Input Technology Digital Multimedia Foundations of Animation (Animated Computer Production) Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Web Page Design and Development 1

*required

Major: Web and Digital Communications (Interactive Media)

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Foundations of Animations (Animated Computer Production)* Image Editing 1 (Digital Imaging 1/Photoshop 1) Advanced Animation and Gaming Digital Desktop Publishing Digital Input Technology Digital Multimedia Entrepreneurship Image Editing 2 (Digital Imaging 2/Photoshop 2) Information Technology Foundations Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Web Page Design and Development 1 Work-based Credit	AP Art - Drawing Portfolio AP Art - 2-D Design Portfolio AP Art - 3-D Design Portfolio Pre-AP Art (2-D) Pre-AP Art (3-D) Broadcast Journalism 1, 2 (Video Production 1, 2) Computer Programming courses Fundamentals of Visual Art (Art 1) Three-Dimensional Design 1 (3-D I) Three-Dimensional Design 2 (3-D II) Two-Dimensional Design 1 (2-D I) Two-Dimensional Design 2 (2-D II)

*required

Major: Networking Systems

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Networking 1 (Net+)* Networking 2 (Net+)* Computer Programming 1V Computer Programming 2V Computer Service Technology 1, 2 (A+) Entrepreneurship Information Technology Foundations Work-based Credit	Business Law Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1)

*required

Major: Programming and Software Development

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Computer Programming 1V* Computer Programming 2V* AP Computer Science Computer Programming C Entrepreneurship Foundations of Animation (Animated Computer Production) Information Technology Foundations Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Web Page Design and Development 1 Work-based Credit	Calculus Advanced Computer electives Computer Service Technology 1, 2 (A+) Digital Desktop Publishing Digital Electronics Digital Input Technology Digital Multimedia Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Networking 1, 2 (Net+)

*required

Marketing, Sales, and Service Cluster

Major: Marketing Communications

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Advertising* Marketing* Digital Desktop Publishing Digital Multimedia Entrepreneurship Global Business (globalMARKETS™) Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Sports and Entertainment Marketing Virtual Enterprise 1, 2, 3, 4 Web Page Design and Development 1 Work-based Credit	Accounting 1, 2 Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Marketing Management Psychology courses Speech

*required

Major: Marketing Management

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Marketing* Marketing Management* Accounting 1, 2 Business Law Entrepreneurship Hospitality Management and Operations 2 (Hotel Management and Tourism 2) Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Sports and Entertainment Marketing Virtual Enterprise 1, 2, 3, 4 Work-based Credit	Advertising Global Business (globalMARKETS™) Hospitality Management and Operations 1 (Hotel Management and Tourism 1)

*required

School of Mathematics, Science, and Engineering

Agriculture, Food, and Natural Resources Cluster

Major: Ecology

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Digital Multimedia Earth Science Environmental Studies Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Marine Science Wildlife Biology and Management	Biotechnical Engineering Civil Engineering and Architecture Digital Art and Design 1, 2 (Advertising Design 1, 2) Industrial Technology 1 Internship Latin Modern and Classical Language courses Science electives

Major: Horticulture

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Introduction to Horticulture Landscape Technology Nursery, Greenhouse, and Garden Center Technology Turf and Lawn Management*** Work-based Credit	Digital Art and Design 1, 2 (Advertising Design 1, 2) Digital Desktop Publishing Entrepreneurship Environmental Studies Marketing Sociology Speech Visual Arts courses Wildlife Biology and Management

***future offering

Science, Technology, Engineering, and Mathematics Cluster

Major: Computer Science

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP Calculus AP Computer Science Calculus Computer Programming 1V Computer Programming 2V Computer Programming C Information Technology Foundations	Advanced Animation and Gaming Foundations of Animations (Animated Computer Production) OR Web Page Design and Development Computer Service Technology 1, 2 (A+) Engineering courses Internship Networking 1, 2 (Net+)

Major: Engineering

Required Courses for Major (Minimum of four credits required)	Complementary Courses
<p>Introduction to Engineering Design* Aerospace Engineering Biotechnical Engineering Civil Engineering and Architecture Computer Integrated Manufacturing Digital Electronics Engineering Design and Development Principles of Engineering Work-based Credit</p>	<p>Aerospace Science Art electives Calculus Chemistry Advanced Computer courses Computer Programming electives Computer Service Technology 1, 2 (A+) Image Editing 1, 2 (Digital Imaging 1, 2/Photoshop 1, 2) Environmental Studies Industrial Technology 1 Modern and Classical Language courses Networking 1, 2 (Net+) Physics Advanced Science electives</p>

*required

Major: Mathematics

Required Courses for Major (Minimum of four credits required)	Complementary Courses
<p>Honors or AP Calculus* Pre-Calculus* Accounting 2 AP Computer Science AP Physics AP Statistics Computer Programming courses Physics Probability and Statistics</p>	<p>Accounting 1 Advanced Computer courses AP Chemistry Biomedical Sciences courses Chemistry 2 Computer Programming courses Computer Service Technology 1, 2 (A+) Engineering courses Internship Modern and Classical Language courses Teacher Cadet</p>

*required

Major: Science

Required Courses for Major (Minimum of four credits required)	Complementary Courses
<p>AP Biology AP Chemistry AP Physics Anatomy and Physiology Astronomy Biology 2 Chemistry 2 Earth Science Environmental Science Marine Science Physics Wildlife Biology and Management</p>	<p>AP Statistics Astronomy Biomedical Sciences courses Biotechnical Engineering Calculus Advanced Computer courses Digital Multimedia Engineering courses Internship Modern and Classical Language courses Probability and Statistics</p>

Transportation, Distribution, and Logistics Cluster

Major: Logistics, Planning, and Management

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Accounting 1 Business Law Global Business (globalMARKETS™) Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Marketing Marketing Management Probability and Statistics**** Virtual Enterprise 1, 2, 3, 4	Accounting 2 AP Statistics Business Finance Entrepreneurship Industrial Technology 1 Internship Modern and Classical Languages Personal Finance (formerly Business and Personal Finance) Physics Social Studies electives

****If not used as one of the four mathematics units required for graduation

School of Health, Human and Public Services

Government and Public Administration Cluster

Major: Military Leadership

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Aerospace Science 1 (100 - JROTC) * Aerospace Science 2 (210 - JROTC) * Aerospace Science 3 (410 - JROTC) * Aerospace Science 4 (400/500 -JROTC) *	Advanced Computer electives AP Human Geography AP Psychology Aerospace Engineering Astronomy Cadet Cadre Cadet Officer Leadership School Environmental Science History of Conflict and War Marine Science Modern and Classical Language courses Psychology Public Speaking, SPC 205 (Dual Credit) Roman Civilization Sociology Speech

*required

Major: Public Service and Administration

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP European History AP Human Geography AP Microeconomics**** AP Psychology AP U. S. Government and Politics**** AP U. S. History**** AP World History African-American and Multicultural Studies Global Studies 2 Psychology Sociology	Other AP Social Studies courses Aerospace Science courses Advanced Computer courses Drama courses Environmental Studies Foundations of American Democracy History of Conflict and War History of the Lowcountry Internship Modern and Classical Language courses Roman Civilization Speech Teacher Cadet

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

Health Science Cluster

Major: Biomedical Science

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Principles of Biomedical Sciences Human Body Systems Medical Intervention Biomedical Innovation	AP Biology AP Chemistry AP Psychology Biology 2 Biotechnical Engineering Calculus Chemistry 2 Emergency Medical Services 1 Health Science Technology 1, 2 Human Growth and Development, PSY 203 (Dual Credit) Internship Introduction to Engineering Design Medical Terminology Physics Principles of Engineering Sports Medicine courses

Major: Biotechnology, Medical Science and Research

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP Biology AP Chemistry AP Physics Anatomy and Physiology Biology 2 Biotechnical Engineering Chemistry 2 Health Science Technology 1, 2 Medical Terminology	AP Statistics AP Psychology Biology 2 Biomedical Science courses Calculus Digital Multimedia Human Growth and Development, PSY 203 (Dual Credit) Internship Modern and Classical Language courses Pharmacy Technology Physics Precalculus Probability and Statistics Psychology Sociology Sports Medicine courses

Major: Health Science

Required Courses for Major (Minimum of four credits required)	Complementary Courses
Biomedical Science courses Emergency Medical Services 1 Health Science Technology 1, 2 Introduction to Health Science Medical Terminology Pharmacy Technology Sports Medicine 1, 2, 3 Work-based Credit	Advanced Computer electives AP Psychology Anatomy and Physiology Biology 2 Calculus Chemistry 2 Child Development 1, 2 Human Growth and Development, PSY 203 (Dual Credit) Latin Psychology Sociology

Human Services Cluster

Major: Early Care and Education

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP Psychology Child Development 1, 2 Growth and Development I, ECD 102 (Dual Credit) Health, Safety and Nutrition, ECD 135 (Dual Credit) Introduction to Early Childhood, ECD 101 (Dual Credit) Introduction to Health Science Technology Psychology Sociology Teacher Cadet Work-based Credit	Accounting 1, 2 Business Law Entrepreneurship Fine Arts courses Human Growth and Development, PSY 203 (Dual Credit) Modern and Classical Language courses Speech

Law, Public Safety, and Security Cluster

Major: Law and Legal Services

Required Courses for Major (Minimum of four credits required)	Complementary Courses
AP English***** AP Psychology AP U. S. Government and Politics***** Business Law Criminal Law I, CRJ 115 (Dual Credit) Drama Introduction to Criminal Justice, CRJ 101 (Dual Credit) Integrated Business Applications 1 (Advanced Microsoft Office Suite Applications 1) Psychology Sociology Speech	Accounting 1, 2 Advanced Computer courses Aerospace Science courses History of Conflict and War Internship Roman Civilization Modern and Classical Language courses

*****If not being used as a graduation requirement

Major: Emergency and Fire Management Services (future offering)

Major: Law Enforcement Services (future offering)

2010-2011 Wando High School Curriculum Framework: Grades 10 – 12

School of Arts and Humanities

- Arts and Communications Cluster**
 - Advanced Placement
 - Arts and Architecture
 - Digital Art and Design
 - English
- Fashion Design and Apparel Construction
- Journalism and Mass Communication
- Modern and Classical Languages
- Performing Arts
- Visual Arts

- Education and Training Cluster**
 - Teaching and Training

School of Business and Information Systems

- Business, Management, and Administration Cluster**
 - Business Information Management
 - General Management
 - Operations Management

- Finance Cluster**
 - Accounting

- Hospitality and Tourism Cluster**
 - Culinary Arts
 - Hospitality Management and Operations

- Information Technology Cluster**
 - Information Support and Services
 - Web and Digital Communications (Interactive Media)
 - Networking Systems
 - Programming and Software Development

- Marketing, Sales, and Service Cluster**
 - Marketing Communications
 - Marketing Management

School of Mathematics, Science, and Engineering

- Agriculture, Food, and Natural Resources Cluster**
 - Ecology
 - Horticulture

- Science, Technology, Engineering, and Mathematics Cluster**
 - Computer Science
 - Engineering
 - Mathematics
 - Science

- Transportation, Distribution, and Logistics Cluster**
 - Logistics, Planning, and Management

School of Health, Human and Public Services

- Government and Public Administration Cluster**
 - Military Leadership
 - Public Service and Administration

- Health Science Cluster**
 - Biomedical Science
 - Biotechnology, Medical Science and Research
 - Health Science

- Human Services Cluster**
 - Early Care and Education

- Law, Public Safety, and Security Cluster**
 - Law and Legal Services
 - Emergency and Fire Management Services (future offering)
 - Law Enforcement Services (future offering)