

# ACADEMIC OPTIONS NIGHT

AT MARVIN RIDGE HIGH SCHOOL

NOVEMBER 14, 2016

### PRESENTATION PURPOSE

These slides provide an overview of specialized academic opportunities available at the high school level.

#### <u>Topics included are:</u>

- Career and Technical Education Opportunities
- Career and College Promise Program
- Advanced Placement Courses
- International Baccalaureate Program

# CAREER AND TECHNICAL EDUCATION

### CAREER & TECHNICAL EDUCATION - CAREER CLUSTERS (PART 1)

Agriculture, Food & Natural Resources (AGNR)	Architecture & Construction (ARCH)	Arts, A/V Technology & Communications (AAVC)	Business Mgmt & Administration (BMA)	Finance (FINA)	Health Science (HLTH)	Hospitality & Tourism (HOSP)
Foundational Courses Agriscience Applications Animal Science II	Foundational Courses Core and Sustainable Const (Intro to Cons) Intro to T & I Carpentry II Carpentry II Carpentry II Electrical Trades II Electrical Trades II Electrical Trades III Masomy II Masomy III Drafting I Trades III Drafting II Drafting III Dr	Foundational Courses Intro to T & I Multimedia & Webpage Design Adobe Visual Design Adobe Visual Design Film Production II Film Production II TV Program & Broadcasting Marketing Pashion Merchandising Scientific & Technical Visualization I Microsoft Word & PPT Apparel & Textile Production II Apparel & Textile Production I Came Art Design CTE Advanced Studies Career & College Promise Sciplil Introduction to SGD SGD112 SGD Design GRD142 Graphic Design I GRD142 Graphic Design I GRD153 Cgrt Des Basics GRD151 Cgrt Des Basics GRD151 Cgrt Des Basics GRD151 Computer Design Tech I  GRD152 Computer Design Tech I  Film Production II Film Produ	Foundational Courses Principles of Business & Finance Microsoft Word & PPT Microsoft Excel & Access Accounting I Business Law Entrepreneurship I Global Business •  CTE Advanced Studies Career & College Promise ACC121 Prin of Mng Acct ACC150 Accounting Software Applications BUS110 Intro to Business BUS110 Intro to Business BUS1110 Intro to Business BUS1115 Business Law I LEX210 Real Property I LEX241 Family Law OST148 Med Goding, Billing & Insurance OST149 Medical Legal Issues BUS139 Entrepreneurship I	Foundational Courses Principles of Business & Finance Personal Finance Microsoft Excel & Access Accounting I  Business Law Entrepreneurship I CTE Advanced Studies Caree & College Promise ACC151 Prin of Mgr Acct ACC150 Acct Software App BUS110 Intro to Business BUS115 Business Law I BUS139 Entrepreneurship I ACC129 Indy Income Taxes	Foundational Courses Biomedical Tech II ◆ Biomedical Tech II ◆ Health Science I Health Science II ← Health Science II ← Nursing Fundamentals Public Health Fundamentals Pharmacy Tech Health Informatics – Data & Use Health Informatics – Data & Use Health Informatics – Transf. Data Deta PLTW Heinciples of Biomed PLTW Human Body Sys ◆ PLTW Hedical Interventions PLTW Biomed Innovation CTE Advanced Studies Career & College Promise MED113 Medical Law& Ethics MED121 Medical Law& Ethics MED121 Medical Term I NAS101 Nursing Assistant I HSE112 Group Process II HSE225 Crisis Intervention MED110 Orientation to Medical Assisting MED130 Admin Office Proce II MED131 Admin Office Proces II MED122 Medical Terminology II ◆ NAS102 Nursing Assistant II ◆  NAS102 Nursing Assistant II ◆	Foundational Courses Foods I - Enterprise Intro to Culinary Arts Culinary Arts I Culinary Arts I Culinary Arts II Culinary Arts II ProStart I Marketing Principles of Business & Finance Sports & Entertainment Marketing I I Sports & Entertainment Marketing II I Entrepreneurship I Entrepreneurship I Hospitality & Tourism CCTE Advanced Studies  Career & College Promise CUL 110 Sanitation & Safety CUL 140 Culinary Skills I CUL 240 Culinary Skills II CUL 240 Culinary Skills II
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### CAREER & TECHNICAL EDUCATION - CAREER CLUSTERS (PART 2)

Human Services (HUMA)	Information Technology (INFO)	Law, Public Safety, Corrections & Security (LAW)	Manufacturing (MANU)	Marketing (MRKT)	Science, Technology, Engineering & Mathematics (STEM)	Transportation, Distribution & Logistics (TRAN)
Foundational Courses	Foundational Courses	Foundational Courses	Foundational Courses	Foundational Courses	Foundational Courses	Foundational Courses
Teen Living Personal Finance Personal Finance Principles of Business & Finance Parenting & Child Development Early Childhood Educ. II Early Childhood Educ. II ◆ Cosmetology I Cosmetology II ◆ CTE Advanced Studies Career & College Promise	Foundations of Info Tech Princ of Business & Finance Microsof Excel & Access Computer Science Principles Computer Programming I Computer Programming II Intro to Cybersecurity SAS Programming II AP Computer Science Princs of Business & Finance Microsoft Word & PPT Multimedia & Webpage  - Commerce I Adobe Visual Design Adobe Digital Design Intro to T & II Network Engineering I Network Engineering I Computer Engin Tech II Computer Engineering I Computer Engin Tech II Graphic Design II Info CTE Advanced Studies Career & College Promise CIS 110 Intro to Computers CSC151 JAVA Programming CTS115 Info Sys Bus Concepts GRD142 Graphic Design I GRD152 Complessign Tech I NOS110 Operating Sys Con SEC110 Security Concepts WEB120 Intro to int mm WEB140 Web Design Tools WEB120 Intro to int mm	Public Safety I Public Safety II ♦ Firefighter Technology I Firefighter Tech III ♦ Firefighter Tech III ■ Firefighter Tech III ■ Emergency Medical Tech II ■ Emergency Medical Tech III Emergency Medical Tech II	Into to T & I Welding II Welding II Welding III Welding III Welding III Metals Mfg Technology I Metals Mfg Technology II Metals Mfg Technology II Eng. Tech II Marketing Fashion Merchandising Apparel & Textile Prod II Apparel & Textile Prod II Apparel & Textile Prod II Entrepreneurship I Princ of Business & Finance Robotics II Fabotics II Electronics II Electronics II Electronics II Electronics II CTE Advanced Studies  Career & College Promise ISCI12 Industrial Safety MAC111 Into to CNC MNT110 Intro to Manut Proce WLD110 Cutting Processes MAC114 Intro to Metalogy MAC151 Machining Technology I MAC151 Machining Calcu WLD115 SMAW (Stick) PI WLD115 SMAW (Stick) PI WLD121 GMAW (MIG) FCAW/PI WLD131 GTAW (MIG) FCAW/PI WLD141 SYMbols & Specs	Principles of Business & Finance Marketing Marketing Ment (Applications) ♦ Strategic Marketing Entrepreneurship I ← Fashion Merchandising CTE Advanced Studies Career & College Promise BUS115 Business Law I BUS139 Entreship I ♦	Intro to T & I Drafting I Drafting II - Engineering Drafting III - Engineering Drafting III - Engineering Scientific & Technical Visualization I Robotics I Robotics II Project Lead the Way— Introduction to Engineering Design Principles of Engineering I Digital Electronics • Civil Engin & Arch Computer Integ. Mfg. • Biotechnical • Aerospace Engineering Engin Design & Development Aerospace Engineering Engin Design & Development Automics II Automics II Automics II Automics II DESIGN ESIGN Design DETI51 CAD II • DETI52 CAD II • DETI54 Intro Solid Model • MEC130 Mechanisms •	Intro to Automotive Service Automotive Service I Automotive Service II Automotive Service II Automotive Service III Automotive Service III Automotive Service III Automotive Service III Collision Repair Collision Repair I Collision Repair I Collision Repair I Collision Rep-Refinishing Collision Rep-Refinishing Collision Rep-Refinishing Collision Rep-Estimating Automotive Steering Hybrid & EV Tech Marketing Marketing Marketing Marketing Marketing Marketing Marketing CTE Advanced Studies  Career & College Promise TRN110 Intro to Transport Technology AUT114 Safety & Emissions AUT116 Engine Repair AUT115 Engine Repair AUT115 Brake Systems AUT115 Ingine Performance HYD110 Hydraulics Pneumatics I
Enhancement Courses	Enhancement Courses	Enhancement Courses	Enhancement Courses	Enhancement Courses	Enhancement Courses	Enhancement Courses
Carear Management Microsoft Word & PPT Microsoft Excel & Access Foods I Entrepreneurship I CTE Internship	Career Management Entrepreneurship I Personal Finance CTE Internship	Career Management Microsoft Word & PPT Microsoft Excel & Access Principles of Business & Finance Personal Finance Hospitality & Tourism CTE Internship	Career Management Miltimedia & Webpage Design Microsoft Word & PPT Microsoft Excel & Access Ag. Mechanics I Drafting I Personal Finance CTE Internship	Carer Management Multimedia & Webpage Design Microsoft Word & PPT Micr. Excel & Access Business Law Apparel I Personal Finance Hospitality & Tourism CTE Internship	Career Management Multimedia & Web Design Microsoft Word & PPT Microsoft Excel & Access Horticulture I Biotech & Artiscience I Entrepreneurship I Princ of Business & Finance Personal Finance CTE Internship	Career Management Microsoft Word & PPT Microsoft Excel & Access Agriculture Mechanics I Princs of Business & Finance Personal Finance Automotive Computer System Diagnostics Intro to T & I CTE Internship

### CAREER & TECHNICAL EDUCATION - CONCENTRATOR

In order to become a CTE Concentrator, you must meet the following requirements:

- Taken 4 CTE courses in the same Career Cluster
- 1 of the 4 courses has to be a 2nd level course (those with a ♦ beside of it)
- Only 1 of the 4 courses are allowed to come from the Enhancement Courses for that cluster (all 4 could come from the Foundational Courses)

### CAREER & TECHNICAL EDUCATION - ACADEMIES

- Strives to provide a wide array of small, personalized learning communities within different high schools across the county.
- Students can apply for entrance into an academy through a voluntary application process which requires parental approval, support, and knowledge.
- Students must have completed all prerequisite classes prior to admission to an academy and should have a genuine interest in that career area.
- Each academy has a business-grade certification/credential that students will have the opportunity to take.

### CAREER & TECHNICAL EDUCATION - ACADEMIES

- Automotive Repair
- Aviation
- Broadcasting & TV Programming
- Carpentry
- Clean Energy
- Collision Repair
- Cosmetic Arts & Science
- Culinary Arts
- Drafting Engineering and/or Architecture
- Early Childhood Education
- Electrical Trades
- Emergency Medicine

- Engineering Technology
- Fire Fighter
- Film Editing & Production
- Geographic Information Systems
- Health Informatics
- Heating, Ventilation, and Air Conditioning
- Masonry
- Nurse Aid
- Project Lead the Way Engineering
- Veterinary Assisting Academy
- Welding



### CAREER & TECHNICAL EDUCATION - INTERNSHIPS

#### Qualifications

- Senior year
- Successfully completed two CTE courses within a pathway
- Minimum of 92% attendance rate
- Reliable transportation
- Positive feedback on references

#### <u>Scheduling</u>

- Community sponsor and student determine schedule based on the business' hours of operation and convenience
- Minimum of 135 hours

#### Placements, Assignments, and Grades

- Placements are based on student's interest
- Most assignments are completed online and include journals, terminology, time sheets, and a capstone project
- Grades are based on required assignments, attendance at scheduled meetings, and sponsor evaluations
- Internship grades are shown on report cards and transcripts and used to calculate GPA

\*\*Go to <a href="https://www.ucps.k12.nc.us/Page/2717">www.ucps.k12.nc.us/Page/2717</a> for more information on Internships!



### CAREER & TECHNICAL EDUCATION - COOPERATIVE EDUCATION

- Cooperative Education, or Co-op connects the Marketing Education classes to a student's work experience.
- To enroll in Co-op, a student must be concurrently enrolled in a Marketing class
- The job must be directly related to the CTE course
- Students must work a minimum of 135 hours
- Co-op grades are shown on report cards and transcripts and are used to calculate GPA



# CAREER AND COLLEGE PROMISE PROGRAM

### SPCC CAREER AND COLLEGE PROMISE PROGRAM

-The Career & College Promise Program is a partnership with SPCC that allows you to get college credit for free through SPCC.

- -There are two Pathways:
  - o College Transfer Pathway (either the Associate of Arts or Science track).
  - o CTE Pathway (we offer over 43 CTE pathways).
- -Must have a minimum 3.0 GPA and meet minimum test requirements (PLAN, PSAT, SAT, or ACT scores).
- -Go to SPCC.edu for more details and apply on CFNC. Information is also available on the "School Counseling" section of the MRHS website.

### BENEFITS OF CAREER AND COLLEGE PROMISE

- -Earn free college credit while still in high school.
- -Earn credits that meet high school graduation requirements.
- -Courses will carry the same weight as AP/IB for the Class of 2019 and beyond.
- -Receive college credential prior to high school graduation.
- -Easy transitions from HS to post-secondary institutions or program completion following high school.

### STATISTICS OF CAREER AND COLLEGE PROMISE PROGRAM

### During the 2015-2016 academic year at SPCC:

- -Free Tuition: More than 590 high school students saved over \$490,000 in college tuition and fees.
- -College Credit: Participating high school students earned over 4,700 hours of college credit and achieved a "B" or better.
- -College Exploration: High school students explored more than 36 academic programs throughout the academic year.

## ADVANCED PLACEMENT COURSES

### WHAT IS ADVANCED PLACEMENT? AP Students

- College Board's Advanced Placement program enables students to pursue college level studies while in high school.
- Courses are available in many subject areas: English, history, humanities, languages, math, psychology, and science.
- Focused on engaging discussions, approaching and solving problems
- Emphasizes the development of writing skills
- Provides a foundation for your future college major or career

### THE BENEFITS OF TAKING AP CLASSES

- Helps students gain the skills and study habits needed in college
- Improves writing, problem-solving, and time-management
- Helps students learn how to stay focused on work and goals
- Proves to colleges students are willing to take challenging classes
- Makes students stand out in the admission process
- Proves students are taking the initiative to prepare themselves for college-level work
- Earn college credit over 2,600 colleges worldwide grant credit for certain scores on AP Exams

### THE BENEFITS OF TAKING AP CLASSES CONTINUED...

- Colleges have their own policies regarding how credit is awarded for AP courses based on students' scores on the AP exam. Most schools will have this policy outlined on their website or you can search via the college board:
  - https://apstudent.collegeboard.org/creditandplacement/search-cre
    dit-policies
- AP course completion helps students qualify for scholarships –
   31% of colleges and universities look at students' AP experience when determining scholarship opportunities
- Research shows that AP courses help students graduate from college in four years.

### TAKING AP COURSES AT MRHS

- Many AP courses require an honors level companion course first semester followed by the actual AP course second semester. Some are one-semester long with no companion course.
- Students who take AP courses are required to take the AP exam for each course in May. Should a student elect not to take the AP exam, the student's final grade in the course will drop by one letter grade.
- Students receive AP exam scores in early to mid-July.

### AP COURSES AT MRHS AND ON-LINE

- •Art 2D Studio
- •Art History
- Biology
- •Calculus AB
- •Calculus BC
- Chemistry
- •Computer Science
- Principles, A
- •English III, IV
- Environmental Science
- European History
- French
- German

- •Government-US
- Human Geography
- Latin
- Microeconomics
- Macroeconomics
- Music Theory
- Physics I, II
- Psychology
- Spanish
- Statistics
- •US History
- •World History

### AP NATIONAL RECOGNITION

- •AP Scholar: Granted to student who receive scores of 3 or higher on three or more AP exams
- •AP Scholar with Honors: Granted to students who receive an average score of at least 3.25 on all AP exams taken and scores of 3 or higher on five or more of exams
- •State AP Scholar: Granted to the one male and one female student in each US State and the District of Columbia with scores of 3 or higher on the greatest number of AP Exams, and then the highest average score (at least 3.5) on all AP Exams taken
- •National AP Scholar: Granted to students in the US who receive an average score of at least 4 on all AP exams taken and scores of 4 or higher on eight or more of these exams

### AP NATIONAL RECOGNITION CONTINUED

- •This distinction can be used on all future college applications, scholarship applications, and even on employment applications.
- •Place in Marvin Ridge history... Academic Wall of Excellence.

### WHAT IS IB?



- The International Baccalaureate Programme is a 2 year program offered at MRHS that gives students an opportunity to earn an additional international diploma.
- On an A-day/B-day schedule, IB students take 6 core classes, including English, a second language, math, history, science, and 1 additional course.
- The curriculum focuses on developing a global mindedness and the elements of the IB learner profile.

### **IB** learner profile

The aim of all IB programmes is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet, help to create a better and more peaceful world.

#### As IB learners we strive to be:

#### **INOUIRERS**

We nurture our curiosity, developing skills for inquiry and research. We know how to learn independently and with others. We learn with enthusiasm and sustain our love of learning throughout life.

#### KNOWLEDGEABLE

We develop and use conceptual understanding, exploring knowledge across a range of disciplines. We engage with issues and ideas that have local and global significance.

#### THINKERS

We use critical and creative thinking skills to analyse and take responsible action on complex problems. We exercise initiative in making reasoned, ethical decisions.

#### COMMUNICATORS

We express ourselves confidently and creatively in more than one language and in many ways. We collaborate effectively, listening carefully to the perspectives of other individuals and groups.

#### PRINCIPLED

We act with integrity and honesty, with a strong sense of fairness and justice, and with respect for the dignity and rights of people everywhere. We take responsibility for our actions and their consequences.

#### OPEN-MINDED

We critically appreciate our own cultures and personal histories, as well as the values and traditions of others. We seek and evaluate a range of points of view, and we are willing to grow from the experience.

#### CARING

We show empathy, compassion and respect. We have a commitment to service, and we act to make a positive difference in the lives of others and in the world around us.

#### RISK-TAKERS

We approach uncertainty with forethought and determination; we work independently and cooperatively to explore new ideas and innovative strategies. We are resourceful and resilient in the face of challenges and change.

#### BALANCED

We understand the importance of balancing different aspects of our lives—intellectual, physical, and emotional—to achieve well-being for ourselves and others. We recognize our interdependence with other people and with the world in which we live.

#### REFLECTIVE

We thoughtfully consider the world and our own ideas and experience. We work to understand our strengths and weaknesses in order to support our learning and personal development.

The IB learner profile represents 10 attributes valued by IB World Schools. We believe these attributes, and others like them, can help individuals and groups become responsible members of local, national and global communities.

Students may apply during February of their sophomore year.



### Pre-requisites:

- •Two years of Honors English
- •Honors Biology and Honors Chemistry
- •Honors Math III
- •Three years of Foreign Language
- •3.9/4.0 weighted GPA

#### How is IB different?



- IB is an entire program, a school within a school, not just a type of class.
- A Day/B Day schedule: seven classes each semester for two years
- Extended Essay required: 4,000 word researchbased paper
- CAS Component: Creativity, Action, Service requiring 150 contact hours over two years
- Stronger emphasis on writing and speaking in all disciplines

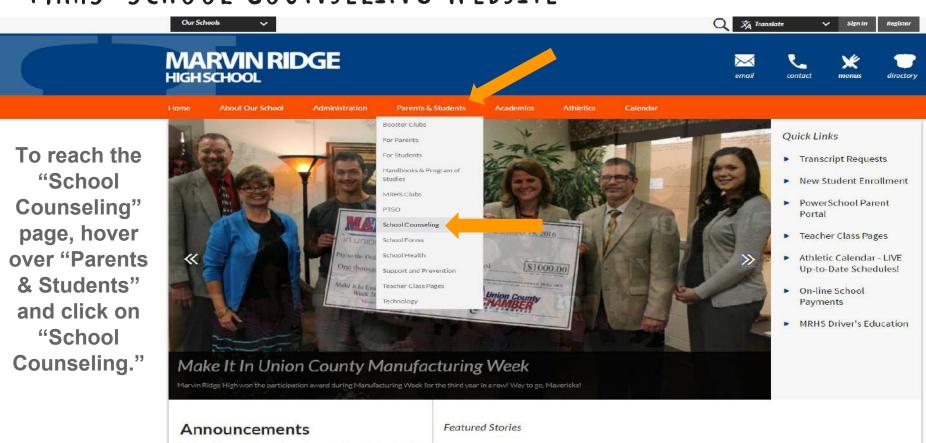


If you would like more detailed information about this particular program, please attend the informational meeting for potential candidates on **January 30th, 2017** from 6:30pm-7:30pm.

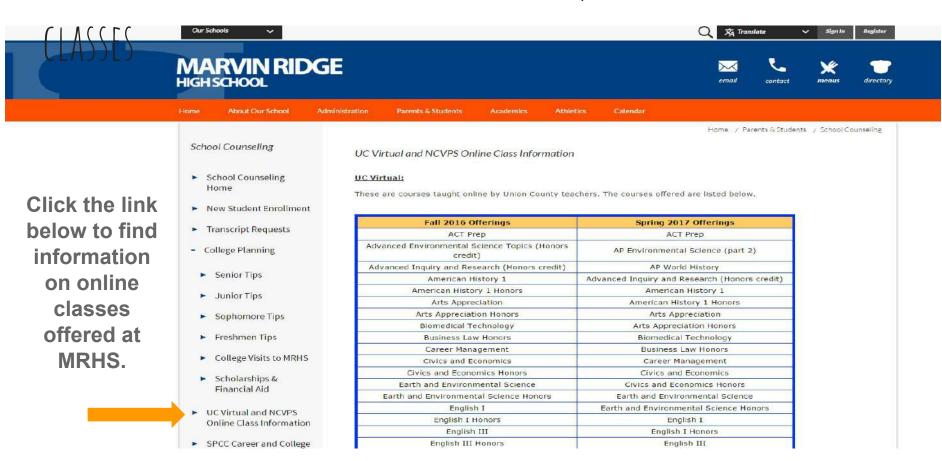
## WANT TO LEARN MORE?

### MRHS SCHOOL COUNSELING WEBSITE

Seniors: You must choose the senior portrait pose you want for



### MRHS WEBSITE: WHERE TO FIND INFORMATION ABOUT ONLINE



### MRHS WEBSITE: WHERE TO FIND INFORMATION ABOUT SPCC



#### MARVIN RIDGE HIGH SCHOOL









Home

About Our School

Administration

Parents & Students

Academics

Athletics

Calendar

Home / Parents & Students / School Counseling

Click the link below to find information about Career & College Promise classes at SPCC.

#### School Counseling

- School Counseling Home
- New Student Enrollment
- Transcript Requests
- College Planning
  - Senior Tips
  - Junior Tips
  - Sophomore Tips
  - Freshmen Tips
  - College Visits to MRHS
  - Scholarships & Financial Aid
- UC Virtual and NCVPS
   Online Class Information
- SPCC Career and College Promise Program
- Academic Options Night

Career and College Promise Program at SPCC



#### SPCC Career and College Promise Program:

- Registration for Spring semester courses will be held on Wednesday, October 12th at 9 a.m. in the MRHS School Counseling Office. A representative from SPCC, Mr. Jost, will be on campus to help students register and answer any questions they may have.
- · Information about the Career and College Promise program at SPCC can be found here.
- <u>Directions to apply and eligibility requirements</u> can be found in this downloadable document.
- Click here for the Program Guide, which includes important information on requirements, pathways, and available courses.
- · For Frequently Asked Questions about the program, please click here.
- The SPCC contact for Career and College Promise is Jeff Jost. He can be reached at:

Jeff Jost

Enrollment Coordinator for SPCC

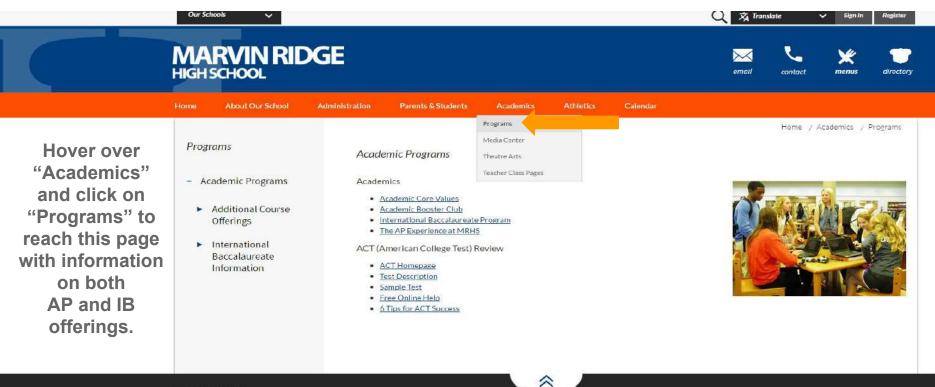
4209 Old Charlotte Highway

Monroe, NC 28110

704-290-5871

jjost@spcc.edu

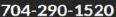
### MRHS WEBSITE: WHERE TO FIND AP AND IB INFORMATION



GET IN TOUCH MARVIN RIDGE HIGH







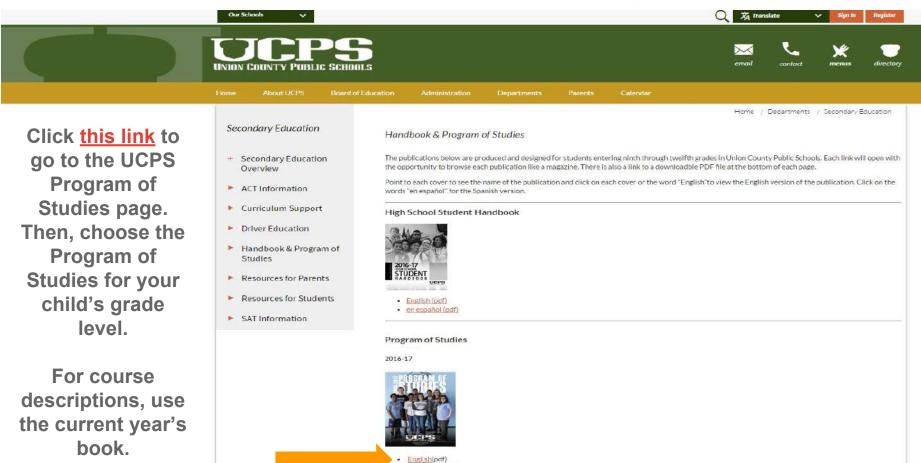
#### **CONNECT WITH US**







### UCPS WEBSITE: WHERE TO FIND THE PROGRAM OF STUDIES



en español(pdf)

Weighting of Grades for Courses Taken for Only Those Students Entering High School for the First Time After July 1, 2015 and Considered to be in the Class of 2019 and Beyond.

Grade	CP	Honors	AP / IB/ CCP / PLTW (some but not all CCP and PTLW)
A	4	4.5	5
В	3	3.5	4
С	2	2.5	3
D	1	1.5	2
E	0	0	0

#### Grading Scale for Grades Earned Before July 1, 2015

Grade	Numerical Value	
Α	93-100	
В	85-92	
С	77-84	
D	70-76	
F	0-69	

Weighting of Grades for Courses Taken for All Student Who Entered High School Prior to July 1, 2015.

Grade	CP	Honors/ CCP / PLTW (some but not all)	AP / IB/ PLTW (some but not all)
A	4	5	6
В	3	4	5
С	2	3	4
D	1	2	3
F	0	0	0

### WHO DO I CONTACT?

- AP: Jessica Pierce, <u>jessica.pierce@ucps.k12.nc.us</u>
- IB: Lindsey Arant, <a href="mailto:lindsey.arant@ucps.k12.nc.us">lindsey.arant@ucps.k12.nc.us</a>
- Career & College Promise: Mr. Jeff Jost at SPCC
   iiost@spcc.edu or (704) 290-5871
- CTE: Karen Adcock, <u>karen.adcock@ucps.k12.nc.us</u>
- MRHS School Counselors:
  - Last names A-G and IB: Lori Sgan, <u>lori.sgan@ucps.k12.nc.us</u>
  - Last names H-O: Lisa Stipp, <u>lisa.stipp@ucps.k12.nc.us</u>
  - Last names P-Z: Jessica Pierce, <u>jessica.pierce@ucps.k12.nc.us</u>
  - Student Support Counselor: Carlee Wetzler, <u>carlee.wetzler@ucps.k12.nc.us</u>