

## Paul Laurence Dunbar List of Courses for MSTC 10<sup>th</sup>-12<sup>th</sup> GRADE for online scheduling

The following courses are your required **MSTC core classes**. Some courses will be pre-loaded and your teachers will recommend you for the others online in Infinite Campus. Your teachers should discuss your placement in these courses with you.

### MSTC 10<sup>th</sup> Grade

Adv. English 2  
MSTC Pre-Calculus or MSTC AP Calculus BC  
MSTC Biology 1  
MSTC AP Physics 1  
AP Statistics  
AP Computer Science A (for students who did not take in 9<sup>th</sup> grade; course is required for MSTC students)  
World Language  
Social Studies (Adv. World History or AP World History or Adv. US History or AP US History or HIS 140/HIS 145 (Dual Credit US History) or defer to 11<sup>th</sup> grade

### MSTC 11<sup>th</sup> Grade

AP English Language & Composition  
MSTC AP Calculus BC or MSTC Multivariable Calculus  
MSTC Earth/Space Science  
MSTC Junior Research  
World Language  
Social Studies (Adv. US History or AP US History or HIS 140/HIS 145 (Dual Credit US History) or AP US Gov't/Economics or defer to 12<sup>th</sup> grade)

### MSTC 12<sup>th</sup> Grade

AP English Literature or Dual Credit English  
MSTC Multivariable Calculus or MSTC Linear Algebra/Discrete  
MSTC Senior Seminar  
MSTC Senior Research

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You are required to graduate with a minimum **3 MSTC electives**. You will select your electives (both MSTC and PLD) online via your student portal. Your teachers should discuss your placement in these courses with you.

**10<sup>th</sup> Grade MSTC Elective Options:** You are limited to one MSTC elective your sophomore year.

Java Programming 2 (pre-requisite: AP Comp Sci A)  
MSTC AP Chemistry  
MSTC Organic Chemistry

**11<sup>th</sup>/12<sup>th</sup> Grade MSTC Elective Options:**

MSTC AP Biology  
MSTC Biology 3 (Pre-requisite: MSTC AP Biology)  
MSTC AP Chemistry  
MSTC Organic Chemistry  
MSTC AP Physics 2  
MSTC AP Physics C: Mechanics (1<sup>st</sup> semester; choose 1<sup>st</sup> and 2<sup>nd</sup> semester courses)  
MSTC AP Physics C: Elec/Magnet (2<sup>nd</sup> semester; choose 1<sup>st</sup> and 2<sup>nd</sup> semester courses)  
MSTC Engineering  
Java Programming 2 (Pre-requisite: AP Comp Sci A)  
Project-Based Programming (Pre-requisite: Java Programming 2)  
MSTC Linear Algebra/Discrete Math

If you are currently in a **World Language** class, your teacher will recommend you for the appropriate next course online in Infinite Campus. Your teachers should discuss your placement in these courses with you. Completion of a world language through the **3<sup>rd</sup> level is required** for MSTC students.

French 2  
Adv. French 3  
Adv. French 4  
AP French

German 2  
GER 201 WKU Dual Cr (Dual Credit German 3)  
GER 202 WKU Dual Cr (Dual Credit German 4)  
AP German

Spanish 2  
Adv. Spanish 3  
Adv. Spanish 4  
AP Spanish

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If you are currently in a **Band, Chorus, or Orchestra** class, your teacher will recommend you for the appropriate next course online in Infinite Campus. Your teachers should discuss your placement in these courses with you.

Concert Band  
Symphonic Band  
Adv. Band  
Percussion  
Adv. Jazz Band  
Color Guard (1<sup>st</sup> semester only)

Men's Chorus  
Women's Chorus  
Adv. Concert Choir  
Adv. Chamber Choir  
Piano/Keyboarding 2 (Pre-requisite: Beg. Piano or private lessons)

String Orchestra  
Concert Orchestra  
Adv. Symphonic Orchestra

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The following courses are the **CTE Pathway** courses offered at Dunbar. **All students must be enrolled in at least one CTE Pathway course that continues their chosen pathway.** Your current CTE teacher will recommend you for the appropriate next course online in Infinite Campus. Your teachers should discuss your placement in these courses with you. If students wish to take additional CTE courses, you will be able to choose those classes when you do your online scheduling in your student portal.

**Business:**

Accounting & Finance Found (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Adv. Accounting (Pre-requisite: Financial Management)  
Business & Marketing Essential (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Entrepreneurship (11<sup>th</sup> & 12<sup>th</sup> grade only)  
Financial Management (Pre-requisite: Accounting & Finance Foundations)  
Introduction to Management  
Microsoft Office (Pre-requisite: Digital Literacy)  
Web Page Design

**RED Center (Engineering):**

Engineering 1 (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Engineering 2  
Civil Engineering (Pre-requisites: Engineering 1 & 2)  
Robotics Engineering (Pre-requisites: Engineering 1 & 2)

**Family & Consumer Science:**

Life Skill Essentials (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Parenting/Early Lifespan Development  
Child Development Services 1 (11<sup>th</sup> & 12<sup>th</sup> grade only; Pre-requisite: Parenting/Early Lifespan Dev)  
Principles of Hospitality  
Foods & Nutrition  
Adv. Foods & Nutrition (Pre-requisite: Foods & Nutrition)

**Information Technology:** (this pathway also satisfies MSTC req)

AP Computer Sci A  
Java Programming 2 (Pre-requisite: AP Computer Sci A)  
Project-Based Programming (Pre-requisite: Java 2)

**Teaching & Learning:** 

Learning Community (10<sup>th</sup> grade only)

**Media Arts:**

Introduction to Media Arts (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Digital Imaging  
Adv. Production Design  
Media Arts Internship (11<sup>th</sup> & 12<sup>th</sup> grade only, permission of teacher, available with Mr. Herzog & Ms. Turner)

Video Studio Fundamentals (9<sup>th</sup> & 10<sup>th</sup> grade only)  
Studio Directing & Performance (Pre-requisite: Video Studio Fundamentals)  
Adv. Studio Prod-Moving Images (Pre-requisite: Studio Directing & Performance)

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In addition to the CTE Pathway courses, the following courses are available for students to choose during their online scheduling process in your student portal. **All students must complete their schedules online in their student portal.** Please consult with teachers and parents as needed. **Make sure you request both 1<sup>st</sup> and 2<sup>nd</sup> semester of all of your courses.** You will have 18 units selected (9 courses x 2 semesters each)—this includes the courses your teachers have assigned to you. You should also request 4 alternative courses in case your 1<sup>st</sup> selections are not available.

**Physical Education:** If you have not completed Health & PE, you need to take these classes to earn this graduation credit. Alert your counselor if you are planning to take these courses in the summer.

Health  
Physical Education  
Adv. Physical Education  
Fitness & Conditioning

**Humanities:** Students have a choice in how they complete this graduation requirement. Students can take the Humanities course below or take one course in any of the Fine Arts areas. The Fine Arts areas are Art, Drama, Instrumental Music, or Vocal Music.

Visual & Performing Arts

**English Electives:**

Creative Writing 1  
Creative Writing 2  
Adv. Creative Writing 3  
Film Studies

MAC 120/MAC 140 CU Dual Cr (Dual Credit Communications 11<sup>th</sup> & 12<sup>th</sup> grade only)  
Science Fiction Fantasy Film  
Sportswriting

**Math Electives:**

Statistical Analysis in Sports

**Science Electives:**

Adv. Forensics

Adv. Human Anatomy (Pre-requisite: completed MSTC Biology)

Adv. Human Heredity &amp; Genetics (Pre-requisite: completed MSTC Biology)

AP Environmental Science (Pre-requisites: completed Chemistry, enrolled in Biology)

ASTR 104/ASTR 106 WKU Dual Cr (Dual Credit Astronomy) (Pre-requisites: 3.0 GPA, Algebra 1 & Geometry; DC scholarship not available for 10<sup>th</sup> graders)**Social Studies Electives:**

African American Heritage

Criminal Justice

Movies, Media, &amp; Movements

Adv. Current Events (11<sup>th</sup>/12<sup>th</sup> only)Adv. Psychology (11<sup>th</sup>/12<sup>th</sup> only)Adv. Sociology (11<sup>th</sup>/12<sup>th</sup> only)

AP Human Geography

AP Psychology (11<sup>th</sup>/12<sup>th</sup> only)**Art:**

Art 1

Beginning Pottery

Crafts 1

Drawing (Pre-requisite: Art 1)

Painting (Pre-requisite: Art 1)

Adv. Honors Art (permission of teacher)

AP Studio Art (permission of teacher)

AP Art History (11<sup>th</sup> & 12<sup>th</sup> grade only)**Community Service:** 11<sup>th</sup> & 12<sup>th</sup> grade only. You must discuss this with your counselor first. Juniors must have their driver's license on the first day of school (not permit). 2 blocks every other day; choose 7 additional courses. Application required from Mr. O'Bryan.**Drama:**

Acting/Performance 1

Acting/Performance 2

Theatre Design &amp; Technology

Musical Theatre

Adv. Theatre (Pre-requisite: completed Acting 2, Theatre Design &amp; Tech or permission of teacher)

**Music:**

General Orchestra (No prior orchestra experience required.)

Beginning Piano/Keyboarding

Piano/Keyboarding 2 (Pre-requisite: Beg. Piano or private lessons)

**Peer Tutor:** This is not a teacher's aide. You are expected to tutor other students. You will earn a grade and a credit for these classes.

Peer Tutor: Biology

Peer Tutor: ELL

Peer Tutor: Social Studies

Peer Tutor: Chemistry

Peer Tutor: English

Peer Tutor: World Language

Peer Tutor: Physics

Peer Tutor: Math

Peer Tutoring (Library, Credit Recovery, SAFE, other classes not listed above, however, not all classes are allowed peer tutors)

**Other Electives:**

Adv. Independent Study STLP

Yearbook 1 (application required from Ms. Aseltyne)

Yearbook 2 (returning students only, permission from Ms. Aseltyne)

Yearbook 3 (returning students only, permission from Ms. Aseltyne)

Yearbook 4 (returning students only, permission from Ms. Aseltyne)

Double Research (12<sup>th</sup> grade only; **choose Roster Copy Science 1 in portal**, no credit)

Study Hall (no credit; counselor permission)

Office/Teacher Aide (no credit; counselor permission)