



# PROGRAM OF STUDIES

## 2025-2026

Butler High School  
600 S. Dixie Drive  
Vandalia, Ohio 45377  
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[www.vbcasd.com/1/Home](http://www.vbcasd.com/1/Home)

*The scheduling request window for current Butler HS students is January 29 - February 2, 2024*  
*The scheduling request window for current Morton 8th-grade students is February 12-16, 2024*

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# BUTLER HIGH SCHOOL PROGRAM OF STUDIES

This Butler High School *Program of Studies* handbook is designed to assist students with the help of parents/guardians, teachers, and counselors to plan and experience their high school course of academic study as they prepare for college and career aspirations. Several changes to current procedures, course offerings, and requirements have been made so we encourage all students to study the following pages carefully. Butler High School continues to be recognized in the Dayton area and by the State of Ohio as a high performing school, highlighted by a staff that is very caring, experienced and nurturing and by a community that fully supports our educational excellence.

Students must consider carefully their interests and college/career plans when selecting course requests. Please take the process seriously. **RESEARCH** your options, **INVESTIGATE** thoroughly your selections, and **DISCUSS** your choices with your parents/guardians, teachers, and guidance counselor prior to submitting requests.

## BELIEFS from the SCHOOL PHILOSOPHY

We believe that:

1. Learning is a life-long process that contributes directly to quality of life.
2. Every child is unique and capable of learning.
3. The learning process is strengthened by a cooperative effort among staff, student, parents/guardians, and community.
4. Stable home and school environments are important to a child's overall growth and development.
5. The school should be willing to adapt to a changing world.
6. Every child should have the opportunity to develop positive attitudes toward self and others.
7. A challenging learning environment encourages academic excellence.

### Administrative Team

Buck Williamson, Principal  
Christen Cyphers, Assistant Principal  
Kevin Longley, Assistant Principal  
Kelly Stevens, Athletic Director

### Guidance Office

Mark Peck	Last Name A-G	937-415-6311
Emily Rasor	Last Name H-N	937-415-6313
Jennifer Donovan	Last Name O-Z	937-415-6310
Michele Reckner	Secretary	937-415-6309

***“Our Children, Our Community – We Are Aviators!”***

***“Empowering students to be Aviators for life with  
capabilities, resiliency, and resources  
wherever they soar.”***

## USING THE *PROGRAM OF STUDIES*

### ➤ Current Butler High School Students:

**NOTE: The Scheduling request window for current Butler High School students is January 27 through January 31.**

1. Carefully read the *Program of Studies* to be sure you understand the requirements for graduation, course offerings, prerequisites, and details about the courses. Select **seven courses (or six with a study hall)** per semester. The maximum number of study halls per semester is one. Discuss your course selections carefully with your parents/guardians and teachers.
2. Counselors will meet with juniors, sophomores, and freshmen on **January 27** to review how to request classes.
3. Enter your course requests into PowerSchool **by January 31**. You can submit your requests at home, before or after school, or during study hall. If you wish to take a core course other than what has been recommended for you by your teacher, pick up a waiver form in Guidance and complete it. Attach the waiver to your paper course registration form.
4. Also, complete the paper course registration form in full, including your proper name and personal information at the top of the form. It is important that this information is always kept up-to-date. List your course requests. **You must list some alternates for your elective courses.** Alternates are classes you are open to take if your first-choice electives are not available or will not fit into your schedule. **Some courses you initially select will have maximum enrollment limits or priority enrollment, so it is essential that you list your preferred alternates, or your counselor will select alternates for you.** Have your registration form signed by your parent/guardian indicating their approval of the classes you have selected. Return your completed registration form and any waivers, if applicable, to your 3<sup>rd</sup> Period advisor **by February 2**. Your counselor will meet with you during the 2nd semester to verify your course selections for next school year, total credits, and recommendations relevant to placement, future college and career plans, and the development of your program of studies. You may make an appointment to see your counselor at any time during the process. **Once you meet with your counselor to verify course selections, this process commits you to your choices for the 2024-2025 school year. Schedule changes are NOT permitted after the schedules are generated in the spring, unless there is a reason initiated by the school.**
5. **If you have an Intervention Specialist Point of Contact (POC)**, your POC will work with you on completing your course registration form and entering your requests into the computer. This needs to be completed **before January 31**.

## ➤ Current Morton Middle School 8th-grade Students:

**NOTE: The Scheduling request window for current Morton 8th-grade students is February 10-14.**

- 1 Parents/guardians of 8th graders are invited to attend a parent scheduling informational meeting on **Monday, February 10** in the Performing Arts Theatre at Butler HS from 7:00 to 8:00 p.m. This meeting is for parents/guardians only, not the students.
- 2 Students, you need to carefully read the *Program of Studies* to be sure you understand the requirements for graduation, course offerings, prerequisites, and details about the courses. Select **seven courses (or six with a study hall)** per semester. The maximum number of study halls per semester is one. Discuss your course selections carefully with your parents/guardians and teachers. Butler counselors will meet with the 8th-grade students at Morton on **Tuesday, February 11** to discuss required and elective courses, graduation requirements, and school-day organization.
- 3 Complete the paper course registration form in full, including your proper name and personal information at the top of the form. It is important that this information is always kept up-to-date. List your course requests and have them signed by your teachers. **You must list some alternates for your elective courses.** Alternates are classes you are open to take if your first-choice electives are not available or will not fit into your schedule. **Some courses you initially select will have maximum enrollment limits or priority enrollment, so it is essential that you list your preferred alternates, or your counselor will select alternates for you.** Have your course registration form signed by your parent/guardian indicating their approval of the classes you have selected. **Be prepared to turn in your completed registration form to the counselors as you enter your requests in PowerSchool during scheduling meetings on February 11. Once you submit your course selections, this process commits you to your choices for the 2024-2025 school year. Schedule changes are NOT permitted after the schedules are generated in the spring, unless there is a reason initiated by the school.**

***The administration reserves the right to cancel course offerings because of staffing and facility considerations, lack of sufficient student interest, or funding changes.***

## COURSE REQUESTS AND CLASS SCHEDULES

Students must consider carefully their interests and college/career plans when selecting course requests. Please take the process seriously. RESEARCH your options, INVESTIGATE thoroughly your selections, and DISCUSS your choices with your parents/guardians, teachers, and guidance counselor prior to submitting requests.

Students and parents/guardians, please keep in mind that Master Scheduling is a very complex process. Every effort will be made to provide students with their first requests, giving priority to seniors first, then juniors, then sophomores, and then freshmen. However, there are numerous factors, e.g., teacher and room availability, class sizes, etc., that have major effects on scheduling. Therefore, it is important for students to make wise choices NOW when selecting preferred and alternate courses for NEXT year.

Many school decisions and teacher preparation activities for the upcoming year are based upon class schedules created from course requests submitted by students. **Once a student meets with her/his counselor to verify course selections, this process commits the student to her/his choices for the following school year. Schedule changes are NOT permitted after the schedules are generated in the spring, unless there is a reason initiated by the school.** The school will NOT initiate a schedule change to accommodate an early release request, a different teacher, a different lunch schedule, or classes with a friend.

## COURSE LOAD

Students shall carry a **FULL CLASS LOAD** (i.e., **maximum of 1 study hall per semester**), unless special permission is granted by the school administration to do otherwise.

## SEMESTER EXAMS

All students are required to take a semester examination during the period of time established for each class. Seniors may become exempt from some of their second semester final exams by meeting criteria involving attendance, discipline, academics, and financial and classroom performance standards as set each year. Semester exams count for 20% of the student's grade for each semester.

## GRADE POINT AVERAGE COMPUTATION

Letter Grade	Percentage	Non-Weighted Course Point Value	Weighted Course Point Value
A	93-100	4.0	5.0
A-	90-92.999	3.7	4.7
B+	87-89.999	3.3	4.3
B	83-86.999	3.0	4.0
B-	80-82.999	2.7	3.7
C+	77-79.999	2.3	3.3
C	73-76.999	2.0	3.0
C-	70-72.999	1.7	2.7
D+	67-69.999	1.3	1.3
D	63-66.999	1.0	1.0
D-	60-62.999	0.7	0.7
F	below 60	0.0	0.0
P	No point value, but passing; credit is awarded		
W	No point value; no credit; student is withdrawn		
N	No point value; no credit; student is auditing		

\*All AP (Advanced Placement) and subject area courses for honors credit are indicated by an asterisk on the transcript and are weighted one (1) point "A" through "C-." Any student transferring into Butler High School will have honors courses weighted in figuring cumulative grade-point-average and rank in class if a weighted grading system was in effect at the student's former school; however, honors credit will be granted only for those courses which also have honors status at Butler High School.

Grade-point averages are figured for each quarter and an honor roll published for those students earning a “B” (3.0) or better. Students are ranked each semester based on all courses in grades nine through twelve. Final class rank for seniors is based on eight semesters.

## GRADE POINT AVERAGE CALCULATION

All grades earned at Butler High School will count in the calculation of the student’s grade point average. To calculate a grade point average (GPA), assign a weighted point value to each course grade and divide by the total number of credits. For partial-credit courses use the fractional value of the grade. For example, a half-credit course with an earned grade of a C would be  $.5 \times 2 = 1$ . Then add this to the other grades earned to calculate the total points earned. This total is then divided by the total credits earned for the GPA. This can be done by grading period, semester, school year, or for a series of school years. Grade Point Averages will be calculated and rounded to three decimal places.

## GRADE LEVEL CLASSIFICATION

Students are given grade classification based on the following schedule of credits. These **are ONLY guidelines used** to determine if a student is on track to graduate:

Grade 9 – less than 5 credits	Grade 11 – must have 10 credits
Grade 10 – must have 5 credits	Grade 12 – must have 15 credits

Credit for all courses is given (or denied) at the end of each semester. The semester average in each course is the grade that determines whether a student earns credit.

## GRADUATION REQUIREMENTS

Essentially it is the student’s responsibility to see that requirements for graduation are met. Students can check graduation progress on PowerSchool at any time. Butler High School will make every effort to keep up-to-date records and to inform the student and parents/guardians about the student’s progress toward the completion of graduation requirements. However, it is the student’s responsibility to be acquainted with the necessary requirements to meet this goal. See the following chart for the minimum credits required by the Vandalia-Butler Board of Education:

A minimum of **22 credits** is required for graduation. Specific credits required by the Vandalia-Butler Board of Education are:

<b>English</b>	<b>4 credits</b>
<b>Math</b> (including 1 credit of Algebra II or equivalent of Algebra II)	<b>4 credits</b>
<b>Science</b> (including 1 credit physical sciences, 1 credit life sciences, plus 1 additional credit)	<b>3 credits</b>
<b>Social Studies</b> (including World Studies, U.S. Studies, American Government or AP American Government)	<b>3 credits</b>
<b>Physical Education OR PE Waiver</b> (see PE Waiver section in the <i>Program of Studies</i> )	<b>0.5 credit (or 0 credit if PE Waiver)</b>
<b>Health</b>	<b>0.5 credit</b>
<b>Speech/Communications or Technology</b>	<b>0.5 credit</b>
<b>Financial Literacy</b> (can be fulfilled by taking the Career & Financial Management course, the Introduction to Money & Business course, or the Financial Literacy & Career Exploration course.)	<b>0.5 credit</b>
<b>Fine Arts</b> (Fine Arts is defined as a course in music or art) **Middle school fine arts will be recognized toward the fulfillment of the Ohio Core requirement of 2 semesters	<b>1 credit</b>
<b>+ Elective Credits</b>	<b>5 credits (or 5.5 credits if PE Waiver)</b>

## ADDITIONAL STATE GRADUATION REQUIREMENTS

In addition to the 22 credits noted above, the State of Ohio requires students to satisfy additional requirements in order to graduate:

**For the classes of 2023 and beyond** (students entering ninth grade on or after July 1, 2019), students must satisfy the new graduation requirements by:

- **Demonstrating Competency** - Students will demonstrate competency in the foundational areas of English language arts and mathematics by earning a competency score on Ohio's high school Algebra I and English II tests. There are four alternative ways to demonstrate competency: 1) obtain a remediation-free score in the math or English subject areas on the ACT or SAT. To demonstrate competency in English II, a student must be remediation-free in **BOTH** English and reading on the ACT, 2) earn credit for one non-remedial, college-level math and/or college-level English course through the College Credit Plus program, 3) enlist in the military by completing a contract with the military to enlist upon graduation, or 4) demonstrate two of the six following career-focused activities, at least one of which must be from the foundational group –  
Foundational group:
  - ✓ obtain a cumulative score of proficient or higher on three or more WebXams in a single career pathway
  - ✓ earn an approved industry-recognized credential, or
  - ✓ complete a pre-apprenticeship in the student's chosen career field or show evidence of acceptance into an approved apprenticeship program (for students ages 18 and older) after high school.  
Apprenticeship used as "foundational" must be registered with the Ohio State Apprenticeship Council.
- Supporting group:
  - ✓ complete a 250-hour work-based learning experience with evidence of positive evaluations
  - ✓ earn the workforce readiness score on WorkKeys, or
  - ✓ earn the OhioMeansJobs Readiness Seal.
- **Demonstrating Readiness** - Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, as well as develop key social and emotional competencies and leadership and reasoning skills. See the Ohio Graduation Seals section below in this *Program of Studies*.

## OHIO GRADUATION SEALS

Ohio high school students can earn recognition by showing they are prepared to contribute to the workplace and their communities. Ohio law created 12 seals for students to demonstrate academic, technical, and professional readiness for future college, career, and military success. Students in the class of 2023 and beyond must earn at least 2 seals as part of their permanent graduation requirements. One seal must be a state defined seal and the other may be a locally defined seal. See the Ohio Department of Education website for more information regarding the Ohio High School Graduation Requirements.

State of Ohio Designated Graduation Seals	Requirements															
OhioMeansJobs Readiness Seal	<div><div><div>1.</div><div>Demonstrate proficiency in each of the 15 identified professional skills;</div></div><div><div>2.</div><div>Using the Ohio Means Jobs Readiness Seal form to record demonstration of each professional skill (at least two environments must be reflected); and</div></div><div><div>3.</div><div>Work with a mentor to validate (confirm) each skill across a minimum of two of the three environments (school, work, community). Have each skill validated by at least one mentor (a minimum of three mentors must be involved in the process).</div></div></div>															
	<div>Professional Skills</div> <table><tr><td>Drug Free</td><td>Punctuality</td><td>Professionalism</td><td>Leadership</td><td>Digital Technology</td></tr><tr><td>Reliability</td><td>Discipline</td><td>Learning Agility</td><td>Creativity/Innovation</td><td>Global/Intercultural</td></tr><tr><td>Work Ethic</td><td>Teamwork/Collaboration</td><td>Critical Thinking/ Problem Solving</td><td>Oral &amp; Written Communication</td><td>Fluency Career Management</td></tr></table>	Drug Free	Punctuality	Professionalism	Leadership	Digital Technology	Reliability	Discipline	Learning Agility	Creativity/Innovation	Global/Intercultural	Work Ethic	Teamwork/Collaboration	Critical Thinking/ Problem Solving	Oral & Written Communication	Fluency Career Management
	Drug Free	Punctuality	Professionalism	Leadership	Digital Technology											
Reliability	Discipline	Learning Agility	Creativity/Innovation	Global/Intercultural												
Work Ethic	Teamwork/Collaboration	Critical Thinking/ Problem Solving	Oral & Written Communication	Fluency Career Management												
State Seal of Biliteracy	Demonstrate eligibility for a high school diploma; demonstrate English language arts proficiency; and demonstrate world language proficiency.															
Industry-Recognized Credential Seal	<div><div>1.</div><div>Earn an approved industry-recognized credential, or</div></div> <div><div>2.</div><div>Earn a group of credentials totaling 12 points in a single career field.</div></div>															



<b>College-Ready Seal</b>	Earn remediation free scores on the ACT or SAT	
	ACT English- 18 or Higher Mathematics- 22 or Higher Reading- 22 or Higher	SAT Evidence Based Reading and Writing- 480-800 Math- 530-800
<b>Military Enlistment Seal</b>	Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or Participate in an approved JROTC program.	
<b>Citizenship Seal</b>	<p>A student must demonstrate readiness in both American History and American Government by satisfy one of the following:</p> <ol style="list-style-type: none"> <li>1. Earn a score of proficient on both the Ohio State Test in American History and American Government;</li> <li>2. Earn a score that is at least proficient on an appropriate Advanced Placement or International Baccalaureate test; or</li> <li>3. Earn a "B" or higher in appropriate College Credit Plus courses.</li> <li>4. Earn a final course grade that is equivalent to a "B" or higher in an American History course and an American Government course offered by the student's high school.</li> <li>5. Earn a score to be determined on the Social Studies Alternate Assessment for Students with the Most Significant Cognitive Disabilities.</li> <li>6. Students can mix and match options from the American History and American Government categories to earn this seal.</li> </ol>	
<b>Science Seal</b>	<p>A student must satisfy at least one of the following:</p> <ol style="list-style-type: none"> <li>1. Earn a score of proficient on the Ohio State Test in Biology;</li> <li>2. Earn a score equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate science test; or</li> <li>3. Earn a "B" or higher in a College Credit Plus science course.</li> <li>4. Earn a final course grade that is equivalent to a "B" or higher in an advanced science course. <ul style="list-style-type: none"> <li>• Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science.</li> <li>• Appropriate advanced science courses include: <ul style="list-style-type: none"> <li>○ Chemistry, physics or other physical sciences;</li> <li>○ Advanced biology or other life sciences;</li> <li>○ Astronomy;</li> <li>○ Physical geology or other Earth or space science; and</li> <li>○ Advanced Placement (AP) or International Baccalaureate (IB) Earth, life or physical science courses.</li> </ul> </li> </ul> </li> <li>5. Earn a score to be determined on the Science Alternate Assessment for Students with the Most Significant Cognitive Disabilities.</li> </ol>	
<b>Honors Diploma Seal</b>	<p>Earn one of six Honors Diplomas:</p> <ol style="list-style-type: none"> <li>1. Academic Honors Diploma</li> <li>2. International Baccalaureate Honors Diploma</li> <li>3. Career Tech Honors Diploma</li> <li>4. STEM Honors Diploma</li> <li>5. Arts Honors Diploma</li> <li>6. Social Science and Civic Engagement Honors Diploma</li> </ol>	
<b>Technology Seal</b>	<p>A student must satisfy at least one of the following:</p> <ol style="list-style-type: none"> <li>1. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exam; or</li> <li>2. Earn a final course grade that is equivalent to a "B" or higher in an appropriate College Credit Plus technology course; or</li> <li>3. Complete a technology course offered that meets criteria established by the Ohio Department of Education.</li> </ol>	
<b>Locally Defined Graduation Seals</b>	<b>Requirements</b>	
<b>Community Service Seal</b>	<p>A student must:</p> <ol style="list-style-type: none"> <li>1. Plan, organize, complete, and reflect on a community service project that makes a significant impact on the community and has been pre-approved by the principal; or</li> <li>2. Complete and document a minimum of 20 hours of community service during their time at Butler.</li> </ol> <p>Students who want this seal will need to complete an application with reflection and submit to the principal's office by April 1.</p>	
<b>Fine and Performing Arts Seal</b>	<p>A student must:</p> <ol style="list-style-type: none"> <li>1. Attain 3 or more credits in any fine arts academic courses at Butler with a final grade of C or above in each (B or above in band and choir courses).</li> </ol> <p>Students who want this seal will need to complete an application during senior year and submit to their counselor for verification by April 1.</p>	
<b>Student Engagement Seal</b>	<p>A student must:</p> <ol style="list-style-type: none"> <li>1. Participate in a minimum of two extra-curricular Butler High School activities per year while at Butler.</li> </ol> <p>Students who want this seal must complete an application during senior year and submit to the principal's office by April 1.</p>	

## DIPLOMA OPTIONS

Students may earn one of two types of diplomas – a regular Ohio Diploma or a Diploma with Honors.

**Regular Diploma:** This diploma is for students who complete the required curriculum of Butler High School and meet all additional State of Ohio requirements for her/his graduating class.

**Diploma with Honors:** These diplomas include High School Academic Diploma with Honors and Career-Technical Diploma with Honors, plus some of the other available options listed below. In addition to high-level coursework and academic achievement, many of them involve field experiences and portfolios.

The chart below shows the details of each of these diplomas. Students must meet **all but one** of the following criteria unless it is a minimum graduation requirement. Students must meet general graduation requirements to qualify for honors diplomas. Additionally, students pursuing an Honors Diploma must meet all additional State of Ohio requirements for her/his graduating class.

Criterion	Ohio Diploma	Academic Honors Diploma	Career Tech Honors Diploma
English	4 units	4 units	4 units
Math	4 units, must include one unit of algebra II or equivalent	4 units, Algebra, Geometry, Algebra II (or equivalent), and one other higher-level course	4 units, Algebra, Geometry, Algebra II (or equivalent), and one other higher-level course
Science	3 units, must include a physical and biological science	4 units including two units of advanced science*	4 units including two units of advanced science*
Social Studies	3 units, must include a world history, US history and government	4 units	4 units
World Language	N/A	3 units of one world language or no less than 2 units of two world languages studied	2 units of one world language studied
Fine Art	2 semesters	1 unit	N/A
Electives	5 units	N/A	4 units of career technical minimum
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WorkKeys	N/A	27 ACT/1280 SAT	27 ACT/1280 SAT/ WorkKeys (6 Reading for Information & 6 Applied Mathematics)
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts
Additional	Must earn ½ credit in Health, ½ credit in Physical Education, plus instruction in economics and financial literacy. <b>(This is for all diploma options.)</b>	(See Ohio Diploma)	(See Ohio Diploma) Also, earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career Technical Competency Assessment or equivalent

<b>Criterion</b>	<b>STEM Honors Diploma</b>	<b>Arts Honors Diploma (includes dance, drama/theatre, music, and visual art)</b>	<b>Social Science and Civic Engagement Honors Diploma</b>
<b>English</b>	4 units	4 units	4 units
<b>Math</b>	5 units, must include Algebra, Geometry, Algebra II (or equivalent), and one other higher-level course	4 units, Algebra, Geometry, Algebra II (or equivalent), and one other higher-level course	4 units, Algebra, Geometry, Algebra II (or equivalent), and one other higher-level course
<b>Science</b>	5 units including two units of advanced science*	3 units including one unit of advanced science*	3 units including one unit of advanced science*
<b>Social Studies</b>	3 units	3 units	5 units
<b>World Language</b>	3 units of one world language or no less than 2 units of two world languages studied	3 units of one world language or no less than 2 units of two world languages studied	3 units of one world language or no less than 2 units of two world languages studied
<b>Fine Art</b>	1 unit	4 units	1 unit
<b>Electives</b>	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
<b>GPA</b>	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT/ WorkKeys</b>	27 ACT/1280 SAT	27 ACT/1280 SAT	27 ACT/1280 SAT
<b>Field Experience</b>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Portfolio</b>	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts
<b>Additional</b>	(See Ohio Diploma)	(See Ohio Diploma)	(See Ohio Diploma)

\*Advanced science refers to courses in the Ohio Core that are inquiry based with laboratory experiences and align with the 11th/12th grade standards (or above) or with an AP science course, or with the new high school syllabi or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).

Please visit the Ohio Department of Education webpage <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas/Academic-Honors-Diploma> to review further details regarding each of the Honors Diploma criteria.

## **PHYSICAL EDUCATION WAIVER OPTION (APE – Alternate Physical Education Plan):**

This Physical Education Option is available to students (grade 9-12) participating in Butler High School Interscholastic Sports, Cheerleading, Marching Band/Flag Corp, and/or Kickline. Daily participation paralleling an official sport season must be successfully completed and approved by each respective coach/director. To qualify for the Physical Education Waiver, a student must complete two (2) full seasons in one or more qualifying activities. Once successfully completed, the two (2) Physical Education classes (1/4 credit each) required to meet Butler High School graduation requirements will be waived. As well:

1. No extra/co-curricular activity (participation) prior to August 2012 can be counted toward APE.
2. A student cannot mix one P.E. class with one activity to meet the BHS graduation requirement. A student must successfully complete two activities **or** successfully complete two P.E. classes to meet the graduation requirement.
3. No credit is earned toward graduation requirements for participation in the activities. Students opting for the APE will be required to fulfill the minimum 22 credits for graduation by successfully completing another class offering.
4. APE does **NOT** include Health. All students are required to successfully complete Health class to meet the graduation requirement.
5. **After completing the two (2) full seasons, the student must complete the APE form** found on the Butler High School Guidance Department webpage.

## **EARLY RELEASE/LATE ARRIVAL OPTION**

Since colleges and universities are increasingly becoming more selective, students are highly encouraged to take a complete, challenging course of study during their years at Butler. An additional course can many times prove more beneficial than early release. Having a study hall during 1st period or 10th period is purely by chance. To be eligible for late arrival (before 2nd period) or early dismissal (after 9th period), students must be classified as a senior with no deficiencies. Approval requires appropriate paperwork to be turned in with all required signatures. **Early release/late arrival is a senior privilege and can be revoked at any time by administration or parent/guardian.** Any student who will participate in early release/late arrival will have their grades checked quarterly to determine the following quarter's eligibility. Any student with a GPA lower than 2.500 for the quarter, attendance concerns, outstanding financial obligations, and/or multiple discipline referrals may have their early release/late arrival revoked. In addition to satisfying administrative criteria, students must also meet with guidance counselors in order to fulfill additional requirements. **Class schedules will not be re-arranged to accommodate early dismissal/late arrival requests.**

## **AUDITING A COURSE**

The audit is only available to students who wish to re-take a class which the student failed or with Administrator approval. (For example: a student passes first semester of Algebra 1, but fails the second semester - the student may, the next year, and with permission, audit Algebra 1 first semester and re-take second semester for credit.)

Students who decide to audit a course must specify so when registering for a course. It is the student's responsibility to request permission from their counselor to audit during the first two weeks of the course and the proper form must be filed in the guidance office. **ALL students must be in six classes for credit.**

While auditing, students are required to participate in all class activities, take tests, and do projects. No credit is earned, the student's grade point average is not affected, and an "N" appears beside the course title on the permanent record and on the report card. Any deviation from this participation rule causes the AUDIT to be void and the course becomes one for grading at the teacher's discretion.

## EARLY COMPLETION (AUGUST/DECEMBER GRADUATION)

Students who meet all graduation requirements may elect to graduate in August or December, provided a conference with the counselor, parent(s) or guardian(s), and student is held prior to the expected date of graduation. This is to give ample time for arrangements that may be necessary. Application for high school graduation in August or December must be submitted to your counselor, who will review and present it to the high school principal. The principal will present the student's name to the Board if the student has fulfilled all conditions and requirements for high school graduation. Also, be advised that once a student elects early graduation, she/he may not participate in any subsequent school activities or social events, e.g., extra-curricular activities, dances, prom, senior picnic, senior trip, etc.

Any student who graduates in August or December may elect to have her/his diploma held by the school so she/he can participate in the commencement exercises during the following May/June. (Participation in commencement exercises prior to graduation is not permitted). It shall be the responsibility of the August or December graduate to keep informed of such things as obtaining cap and gown, practice for commencement, etc. Butler High School will assume no responsibility for continuing this type of communication with students who have severed their association with the high school through early graduation.

## INTER-SCHOLASTIC ATHLETIC & EXTRA-CURRICULAR ELIGIBILITY

As interscholastic athletics and school-sponsored activities are considered a valued part of the school program, students who participate are expected to focus first on their academic responsibility, then on their participation in the extra-curricular or co-curricular activities.

Athletic eligibility is determined by regulations established by the Ohio High School Athletic Association (OHSAA). Some of the OHSAA regulations are as follows (visit [www.ohsaa.org](http://www.ohsaa.org) or talk with our Athletic Director for a full explanation to obtain answers to any questions):

- *In order for a student to be eligible for the first quarter upon entrance into grade 9, the student must have received passing grades in at least four (4) of the classes in which she/he was enrolled in the immediately preceding grading period.*
- *In order to maintain eligibility for grades 9-12, a Butler student must have received passing grades in a minimum of five one-half credit semester courses, or the equivalent, in the immediately preceding grading period. Semester and yearly grades have no effect on eligibility.*
- *Students taking postsecondary school courses, including College Credit Plus, must comply with OHSAA scholarship requirements.*
- *Summer school and other educational options, including College Credit Plus, may not be used to bring a student into compliance with scholarship bylaws, nor can they compensate for lack of courses taken in the preceding grading period.*

The Vandalia-Butler City School District also requires that in order to be eligible for any co-curricular, interscholastic and non-interscholastic extra-curricular activity, a student must have, for the preceding grade period, a 2.0 grade point average, and/or no more than one "F." Students who do not meet this standard but who wish to continue to participate in co-curricular activities must attend a mandatory "Study Table" until the standard is met. Incoming freshmen must have passed seventy-five percent (75%) of subjects in which enrolled the preceding grading period.

Students entering Butler High School for the first time must bring with them an official transcript grades that fall within parameters of this policy to be eligible for the activities for their term of attendance.

## NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY

If you wish to participate in NCAA Division I or Division II athletics, you need to be certified by the NCAA Eligibility Center. You need to qualify academically as well as be cleared as an amateur student-athlete. Students interested in participating in athletics at the NCAA level should speak with their high school counselor regarding the initial academic eligibility requirements set by the NCAA. College-bound student-athletes should complete the registration process with the NCAA Eligibility Center at the end of their junior year at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). If you would like to speak to a representative directly or need any additional information regarding eligibility, you may contact the NCAA Eligibility Center at (877) 262-1492 or visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

## **FOREIGN EXCHANGE PROGRAM** (policy 5114)

An exchange student must be placed through an organization that is listed by the Council on Standards for International Educational Travel (the CSIET). Each foreign exchange organization is required by guidelines and laws set by the federal government to secure approval forms through the sponsoring organization for the intended high school to enroll the exchange student before the process begins to bring the student to Butler.

All paperwork and questions must be directed to the high school principal and must be approved before the student is brought into the country.

All exchange students will be enrolled as honorary students. As such, all foreign exchange students will be required to take all standardized assessments as determined by the State of Ohio. If the foreign exchange student is seeking a diploma from an Ohio school, he or she must complete all applicable State of Ohio requirements for graduation.

# **EDUCATIONAL OPTIONS/OPPORTUNITIES**

## **BLENDED LEARNING**

This is a hybrid of face-to-face instruction from a teacher or professor as well as on-line activities. The face-to-face direct contact may be in person or teleconferencing or a combination of the two. However, there is a requirement to fulfill part of the coursework on-line using a LMS (learning management system).

These courses are taught at Butler High school either during the regular school day or after school. The instructor may be a Butler High School teacher or a teacher or professor from another educational institution.

There is the potential of these courses receiving dual credit for high school and college transcripts.

## **ON-LINE COURSES**

Butler High School may offer web-based educational software to students for credit recovery and accrual. Students are encouraged to work with their guidance counselor when considering this option. It is the responsibility of the student and her/his parent/guardian to receive approval.

Online education, also known as distance learning or e-learning, differs from traditional education because students are not required to visit an actual classroom and listen to an instructor face-to-face. The student will complete assignments according to the class schedule. Students communicate with the instructor and classmates using e-mail and online discussion forums. Computer skills and determination are necessary to be successful. Students need keyboarding skills and must be able to write so that others can understand. Butler High School teachers may not be able to support a student taking an online course.

## **ADVANCED PLACEMENT COURSES**

In preparation for the college experience, students are encouraged to take Advanced Placement classes in their areas of interest or strength. Colleges and universities look favorably upon students who take rigorous courses of study. AP test results of 3, 4, or 5 may qualify students for college credit. Advanced Placement classes not only prepare students for college but can also translate into financial savings.

### **INTRODUCTION**

The Advanced Placement Program (AP) program is a set of college-level courses taught by your high school teachers. The course content and syllabus are written by the College Board (university professors and AP teachers) ***to provide the academic rigor and challenge of a freshman college course***. Many state universities accept a score of "3" or above out of a 5-point scale on the AP exam in May as evidence that the student has met the requirements for a college course. This allows students to earn college credits while still in high school.

## **WHO TAKES AP COURSES?**

AP courses are open to all students. Some AP courses have pre-requisite courses necessary for enrollment, while others have recommended coursework. Please refer to the appropriate section of this *Program of Studies* for details on the courses that interest you. Students who choose to enroll in an AP course seek academic challenge and recognize that they will be reading college-level textbooks and completing college-level assignments throughout the course. They will find that the course pacing is accelerated compared to honors courses they have taken, and that the workload is more demanding. A typical AP student will experience up to an hour of homework per night, plus additional assignments on the weekends. It is advised that students discuss AP course expectations with teachers prior to submitting course requests. Students who are successful in AP courses have a strong interest in the subject they are taking, are self-motivated learners, and have effective self-monitoring skills such as time management, task planning, and seeking assistance when needed. Students interested in taking AP courses are encouraged to take courses that will help them prepare for the analytical skills, reading skills, and writing skills necessary for a college-level course. While all college-prep classes include the use of these skills, students will find that honors-level courses, where offered, will help them develop those skills more fully. Be advised that some AP courses have required summer work.

**Reminder: Once the student accepts her/his invitation into the AP program and schedules AP courses (this includes both parent/guardian and student signature on the course registration form), she/he must remain in the AP courses through the entire school year.**

## **HONORS COURSES**

These courses challenge the student to go beyond the content and work required in college preparatory courses. These courses are exceptional preparation for the talented student working toward a college or university career. These courses have specific requirements which are listed under course descriptions and are weighted. Be advised that some Honors courses have required summer work.

**Reminder: Once the student accepts her/his invitation into the Honors program and schedules honors courses (this includes both parent/guardian and student signature on the course registration form), she/he must remain in the honors courses through the entire school year.**

## **COLLEGE PREPARATORY COURSES**

College prep courses are the standard high school courses that all students follow and provide a well-balanced program for a wide variety of life pursuits.

## **CREDIT FLEXIBILITY**

Butler High School offers a special “flexible” plan for students to earn credits for graduation beyond traditional accrual of high school credits.

Credit flexibility shifts the focus from “seat time” to performance. Students can earn units of high school credit based on an individually approved credit flexibility plan. The intent of credit flexibility is to meet increased expectations for high school graduation in response to globalization, technology, and demographics, and to meet the demand for 21st century skills. Credit Flexibility is designed to broaden the scope of curricular options available to students, increase the depth of study available for a particular subject, and tailor the learning time or conditions needed. In these ways, students can customize aspects of their learning around more of their interests and needs. Credit flexibility options are designed for those students who demonstrate the ability, interest, and maturity to accept personal responsibility for their learning in a selected curricular area and have the opportunity to pursue it outside of Butler High School.

Students can earn high school credit by:

1. completing coursework,
2. showing mastery of course content,

3. pursuing an educational option and/or an individually approved option, and/or
4. any combination of the above.

Credit Flexibility Applications are available on our website and in the Guidance Department. We highly encourage any student interested in Credit Flexibility to schedule a meeting with her/his guidance counselor to learn more information.

Students must submit completed plans to the Guidance Office no later than May 1 for the upcoming first semester credit(s), December 1 for the upcoming second semester credit(s), or May 1 for a full-year credit(s) for the following school year.

## **COLLEGE CREDIT PLUS (CCP)**

### **What is it?**

Eligible students can take a course and earn high school and college credit that appears on both their high school and college transcripts. Teachers who teach a College Credit Plus course in a high school must receive professional development and be an adjunct professor at a college or university. All courses offered through College Credit Plus — even courses offered in the high school — must be the same course that the college offers. The course must apply to a degree or professional certificate.

### **Why?**

Ohio needs more students who graduate college- and career- ready. College Credit Plus increases access for students who have not taken full advantage of the opportunity to earn college credits while in high school.

### **Where?**

The student is enrolled in both high school and college and can attend the class in any setting arranged by the college.

### **Who?**

Ohio public school districts and Ohio public colleges and universities must participate in College Credit Plus. Nonpublic high schools and colleges or universities may choose to participate. To be eligible, students must meet the admission standards of the participating college or university to which they apply for enrollment.

### **How does a student get started?**

All participating public and private high schools, colleges and universities must promote College Credit Plus opportunities on their websites. Additionally, they will hold an annual informational event for students and parents/guardians. Butler students who wish to take CCP courses must submit CCP intent-to-participate forms by the designated date each school year.

### **Cost:**

At this time, there is no cost for the student to participate in College Credit Plus when the student is enrolled in a public college or university. The high school and college or universities share the cost for the course. Students choosing to enroll in a participating private college or university might incur costs. If a student withdraws from or fails a CCP class, the student will be responsible for repaying the district for tuition, books and other expenses before the student can receive a diploma.



## MIAMI VALLEY CAREER TECHNOLOGY CENTER

Butler High School students may attend the Miami Valley Career Technology Center, our career education school, for their junior and senior years. MVCTC students may choose to participate in any of the over 50 career technical education programs that will present skills to enable students to enter post-secondary education or the job market with a comfort level of competency. Over half of the MVCTC students follow their hands-on training by pursuing further education at colleges, universities, technical schools, and other training programs.

Sophomores participate in several phases of the MVCTC orientation programs both at Butler and MVCTC. Interested sophomores apply to the program of their choice during the winter and are notified of their acceptance in the spring; registration procedures follow throughout the spring and summer months. Fees vary according to the program.

Students attending the Miami Valley Career Technology Center may receive eight credits for each year at MVCTC, which are awarded by semester. A typical day provides for 3 hours in hands-on career technical program training, and English, math, science, social studies, and elective classes. MVCTC offers articulated college credit, apprenticeship opportunities, Tech Prep opportunities, and dual-credit college credit academic classes. Students with academic deficiencies, which must be completed to meet graduation requirements for Butler High School, must make up these credits in cooperation between MVCTC and the Butler counselors.

Students attending the Miami Valley Career Technology Center remain Butler High School students and are encouraged to participate in all Butler school activities, including participation in Butler's co-curricular activities, school events, and commencement exercises. Students are transported daily to and from MVCTC. MVCTC is also a participant in the College TECH PREP program available to career education students wishing to get a head-start on post-high school, technology education options. TECH PREP is a cooperative effort between MVCTC and Sinclair Community College to provide two years in one of over twenty career technology programs at the MVCTC linked with classes supported by Sinclair. This is followed by two additional years of college at Sinclair with several scholarship opportunities available.

Requirements needed by the end of sophomore year or with Administration approval for the career education programs at MVCTC:

English	2 credits	Physical Education	1/2 credit or waiver
Mathematics	2 credits	Health	1/2 credit
Science	2 credits	Financial Literacy	1/2 credit
Social Studies	2 credits	Fine Arts	1 credit

Recommended basic course requirements for MVCTC entry are as follows:

9th Grade	English, Math, Science, World Studies, Physical Education, Elective (Fine Arts/Technology)
10th Grade	English, Math, Science, U.S. Studies, Health, Financial Literacy course
Acceptance Criteria	Attendance, No credit deficiencies, Grades, Recommendations

Students interested in attending the Miami Valley Career Technology Center should meet with their counselor to discuss and plan their individual course outlines. **Students with credit deficiencies will not be permitted to attend MVCTC.**

## MIAMI VALLEY CAREER TECHNOLOGY CENTER SATELLITE PROGRAM STEM COURSES AT BUTLER

Miami Valley Career Technology Center and Vandalia-Butler City School District provide an opportunity for students to experience a program of STEM courses at Butler. See the courses listed later in this *Program of Studies*.

# COLLEGE AND CAREER READINESS

## SUGGESTED FOUR-YEAR PLANNING GUIDE

Students are encouraged to use the suggested Butler High School Four-Year Plan (available at end of the *Program of Studies*) as a tool for planning and tracking course work during their four years at Butler.

## COLLEGE ENTRANCE RECOMMENDATIONS

College entrance requirements **vary**. The following courses are recommended for a **strong** college preparatory program.

English	4 credits
Mathematics	4 credits
Science	4 credits

Social Studies	4 credits
World Language	2-3 credits
Fine Arts	1 credit

Students who do not have these recommended courses may be required to take university courses to make up their deficiencies as a condition to their acceptance for admission.

## 4-YEAR COLLEGE PATHWAY

Students must earn 22 credits and additional State of Ohio requirements to be eligible for graduation.

	English	Math	Science	Social Studies	Fine Arts	Business	PE/Health	Electives
<b>9<sup>th</sup> Grade</b>	CCR Eng 9 Honors Eng 9	Algebra 1 Geometry Acc Geometry Honors Alg 2 Acc Algebra 2	Physical Science	World History	**		PE	**
<b>10<sup>th</sup> Grade</b>	English 10 Honors Eng 10	Geometry Acc Geometry Algebra 2 Acc Algebra 2 Honors Alg 3 Algebra 3	Biology Chemistry	US Studies	**	**	Health	**
<b>11<sup>th</sup> Grade</b>	English 11 Honors Eng 11	Algebra 2 Acc Algebra 2 Algebra 3 Honors Pre Calc Pre-Calculus	Chemistry AP Biology AP Chemistry Physics Anatomy & Physiology	US Gov't AP US Gov't AP Euro/AP Art History	**	**		**
<b>12<sup>th</sup> Grade</b>	World Myth Humanities Horror & Humor AP Literature	Algebra 3 Pre-Calculus AP Calculus Calculus Prob & Stats	AP Biology AP Chemistry Physics Anatomy & Physiology	Psychology Sociology	**	**		**

Fine Arts credit can be awarded through completion of one art course or participation in band or choir.

\*\*Please refer to the Butler High School *Program of Studies* for more information on the numerous course offerings and pre-requisites for all courses.

It is important to note that highly selective colleges prefer students exhaust their high school curriculum and consider the rigor of their schedules, ACT or SAT scores, and their resume (extra-curricular activities) when considering admission.

## COLLEGE ENTRANCE TESTS (ACT/SAT OPPORTUNITIES)

College entrance tests are given several times a year according to dates and test centers established by the testing company. Students can pick up ACT/SAT test information packets in the guidance office. These packets contain registration information, which will be filled out by the student and sent directly to the testing company. The packets also contain sample tests, which are valuable for test preparation. Students are urged to take college entrance tests seriously and prepare for the tests by working through the sample questions. Practice, practice, practice! It is also important to get a good night's sleep before the test and eat a nutritious breakfast the morning of the test for energy and concentration.

A typical testing program for college-bound students is as follows:

### PreACT

This test is administered at school in the fall. It is open to all students. Fee associated with the test is paid by the student. The testing will result in information about academic skills and development, personal interest, plans, and needs.

### PSAT (Preliminary Scholastic Assessment Test)

Butler High School administers the PSAT in October. Fee associated with the test is paid by the student. Besides being a good practice session for the SAT, results from the 11th-grade test, if they meet annual benchmarks, will qualify a student for National Merit Scholarship and/or National Achievement and/or National Hispanic Scholar Award considerations.

### ACT

The State of Ohio requires all high schools to administer the ACT or SAT to their students in the spring of their junior year. At Butler, we administer the ACT. Additionally, students should take the ACT no later than April or June of their junior year and consider taking it again in the fall of their senior year. The ACT is required for students considered for the Ohio Academic Scholarship.

- ✓ **ACT – What is the ACT?** The ACT is a national college admissions examination that consists of subject area tests in English, Mathematics, Reading and Science (and optional Writing).
- ✓ **When Should I take the ACT?** First Time – spring of sophomore year or fall of junior year.
- ✓ **SCORING** – Your Composite score and each test score (English, Mathematics, Reading, Science) range from 1 (low) to 36 (high). The Composite Score is the average of your four test scores, rounded to the nearest whole number. Fractions less than one-half are rounded down; fractions one-half or more are rounded up.
- ✓ **For More Information on Registration, Test Prep, Scores, College Planning, Financial Aid, Career Planning, Student Blogs and FAQs go to: [www.actstudent.org/index.html](http://www.actstudent.org/index.html)**

### SAT

- ✓ **SAT – What is the SAT?** The SAT is a national college admissions examination that consists of subject area tests in Reading/Writing and Mathematics.
- ✓ **When Should I take the SAT?** First Time – spring of sophomore year or fall of junior year.
- ✓ **SCORING** – Each section of your SAT (critical reading/writing and mathematics) will be scored on a 200- to 800-point scale, for a possible total of 1600.
- ✓ SAT Subject Tests are hour-long, content-based tests that allow you to showcase achievement in specific subject areas where you excel. These are the **only** national admission tests where **you** choose the tests that best showcase your achievements and interests. There are 20 SAT Subject Tests in five general subject areas: English, history, languages, mathematics, and science.

***Students themselves must be aware of the test requirements for individual colleges and testing dates. If they have questions, they should contact their counselor.***

## GENERAL EDUCATION/CAREER TECH & 2-YEAR COLLEGE PATH

Students must earn 22 credits and additional State of Ohio requirements to be eligible for graduation.

	English	Math	Science	Social Studies	Fine Arts	Business	PE/Health	Electives
<b>9<sup>th</sup> Grade</b>	CCR English 9	Algebra 1	Physical Sci	World History	**		PE	**
<b>10<sup>th</sup> Grade</b>	English 10	Geometry	Biology	US Studies	**	**	Health	**
<b>11<sup>th</sup> Grade</b>	English 11	Algebra 2 Data Science Foundations	Earth Sci Environ Sci Astronomy Chemistry	US Gov't	**	**		**
<b>12<sup>th</sup> Grade</b>	World Mythology Humanities Horror & Humor	Finance Math & Applications Algebra 3			**	**		**

Fine Arts credit can be awarded through completion of one art course or participation in band or choir.

\*\*Please refer to the Butler High School *Program of Studies* for more information on the numerous course offerings and pre-requisites for all courses.

## COLLEGE AND CAREER ONLINE RESOURCES

Ask yourself: Who am I? Who do I want to become? Where do I want to go? How will I get there? Use the following websites as a guide. Be sure to reach out to your available resources, such as your guidance counselor, teacher(s), parent(s)/guardian(s), or college admissions office for more information. Visit the guidance website regularly for additional resources. Take advantage of the benefits of the Naviance program.

### Take FREE Online Career Assessments:

Educationplanner.org

- ✓ Click on "Explore careers that interest you"
- ✓ Complete the Career Clusters Activity
- ✓ Complete the Which Careers Match Your Skills?

<http://www.humanmetrics.com/cgi-win/jtypes2.asp>

- ✓ Complete the Jung Typology Test (similar to the Myers-Briggs Personality Test)
- ✓ Use your 4-letter formula to research appropriate career fields

### Explore Different Majors and Careers:

Ohiomeanssuccess.org

- ✓ Find resources regarding careers in demand, preparing for college, paying for college, and more

Actstudent.org

- ✓ Click on Students to College and Career Planning for Students and Parents

Occupational Outlook Handbook: <http://www.bls.gov/ooh/>

- ✓ Search occupations based on average salary, required education, on the job training, projected number of new jobs, projected growth rate

Careeronestop.org

- ✓ Click Explore Careers to view employment trends of occupations and industries, and complete self-assessments to match your skills/interests with an occupation

## **Search College Databases:**

National Center for Educational Statistics College Navigator: <http://nces.ed.gov/collegenavigator/>

- ✓ Find the right college through a variety of search options; plus, additional college-planning resources

Bigfuture.org

- ✓ Click on Find Colleges – Finding Your College Fit - College Search Step by Step – College Search – Compare Colleges

Ohio's Public and Private Universities

- ✓ [www.opuac.org](http://www.opuac.org) (Public)
- ✓ [www.ohiopriatecolleges.com](http://www.ohiopriatecolleges.com) (Private)

## **CAREER FIELDS**

A career field is a group of occupations and broad industries based on common characteristics. It provides a means of organizing academic and career programs. Career fields offer a method of integrating academic and career education by identifying related course work which enables students to learn career skills while taking high school courses. This high school curriculum links to four-year, two-year and technical post high school programs. The following pages are various career fields showing possible occupations, hobbies/interests, and alignment to Butler High School courses.

# BUSINESS AND ADMINISTRATION

*Do you enjoy working with other people?*  
*Are you good at working with numbers?*  
*Do you like to plan and organize activities?*  
*Have you started your own business?*  
*Are you an officer of an organization?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in business management and administration.

Business, management, and administrative workers give the support needed to make a business run.

## **Helpful Butler High School Courses**

Applied Technology  
Applied Technology II  
Intro to Money and Business A and B  
Financial Accounting  
Business Microeconomics and Macroeconomics  
Small Business Finance  
Internship  
Communication and Technology  
Probability & Statistics  
Data Science Foundations

## **MVCTC Programs**

Business Ownership  
Medical Office Management

## **Hobbies and Activities**

Student Council  
Boy or Girl Scouts  
Lead a volunteer community group  
Hold a class officer position  
Captain of a sports team  
Help manage a fundraiser  
Join a committee and plan an event  
Job Shadow  
Read the newspaper to understand economic trends

## **OCCUPATIONS**

- Administrative Services Managers
- Advertising Managers
- Billing Clerks
- Bookkeeping and Accounting Clerks
- Business Executives
- Computer Operators
- Court Reporters
- Data Entry
- Employment Recruiter
- Executive Secretary
- File Clerks
- Human Resources Manager
- Mail Clerks
- Office Manager
- Payroll and Timekeeping Clerks
- Property and Real Estate Manager
- Receptionist
- Secretaries
- Statisticians

# CONSTRUCTION TECHNOLOGY

*Do you often observe and note the building around you?*  
*Do you like to work with your hands?*  
*Can you visualize objects and projects in your mind?*  
*Do you like to create models or make designs?*  
*Do you like to work with tools, objects, and numbers?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in architecture and construction.

Architecture and construction workers work on buildings and other structures. This includes highways, bridges, houses and buildings. You might create designs or plans for new structures or you might use the plans to build or manage the workers on the project.

## **Helpful Butler High School Courses**

Financial Accounting  
Intro to Money and Business A and B  
Small Business Finance  
Business Microeconomics and Macroeconomics  
Communication and Technology  
AP Calculus, Calculus, Probability & Statistics  
Woods I and Advanced Woods  
Computer Aided Drafting  
Home Maintenance  
Introduction to Engineering  
Engineering Capstone

## **MVCTC Programs**

Architectural Design  
Construction Carpentry  
Electrical Trades  
Heating, Ventilation and Air Conditioning

## **Hobbies and Activities**

Start a lawn mowing service  
Do repair and home improvement projects  
Job shadow at an architecture or home design firm  
Volunteer to care for flowers at a park/community center

## **OCCUPATIONS**

- Architect
- Cabinetmaker
- Carpenter
- Cement Mason
- Construction Manager
- Drafters
- Drywall Installers
- Electricians
- Floor and Carpet Installer
- General Construction Worker
- Heating and Cooling System Mechanics
- Highways Maintenance Worker
- Interior Designer
- Janitor
- Landscape Architect
- Painter
- Plumber
- Roofer
- Sheet Metal Worker
- Surveyor

# EDUCATION AND TRAINING

*Are you patient?*

*Do you enjoy being around people?*

*Have you coached sports activities?*

*Do you like to speak in front of groups?*

*Are you outgoing?*

*Would you like to get paid to help others learn new things?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in education and training.

Education and training workers guide and train people. As a teacher, you could influence young lives. You could also support the work of a classroom teacher as a counselor, librarian, or principal. You could coach sports activities or lead community classes.

## **Helpful Butler High School Courses**

Communication and Technology

Social Psychology

Sociology

Applied Technology I

Applied Technology II

Digital Design

Internship

Child Development

## **MVCTC Programs**

Early Childhood Education

Sports Management and Marketing

## **Hobbies and Activities**

Future Teachers of America

Work as a library aid

Coach a youth sports team

Teach a community class

Tutor a younger student

## **OCCUPATIONS**

- Adult and Vocational Education Teacher
- Coaches and Scouts
- College and University Administrator
- Elementary School Teacher
- Fitness Trainer
- High School Teacher
- Librarians
- Middle school Teacher
- Preschool and Kindergarten Teacher
- Special Education Teacher
- Speech Pathologist and Audiologist
- Teacher Aide
- University and College Teacher



# ENGINEERING, SCIENCE AND MATH

*Do you enjoy solving problems?*  
*Do you prepare projects for science fairs?*  
*Do you enjoy reading science magazines?*  
*Are you detail-oriented?*  
*Do you want to know how things work?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in science, technology, engineering, or mathematics.

Science, technology, engineering and math workers do scientific research in laboratories or the field. Some will plan or design products and systems while others may support scientists, mathematicians, or engineers as they do their work.

## **Helpful Butler High School Courses**

AP Biology and AP Chemistry  
Physics  
Intro to Money and Business A and B  
Business Microeconomics and Macroeconomics  
Small Business Finance  
Environmental Science  
Applied Technology I and II  
Woods I and Advanced Woods  
Computer Aided Drafting  
AP Calculus, Calculus, Probability & Statistics  
Data Science Foundations  
Astronomy  
Anatomy and Physiology  
Principles of Biomedical Science  
Computer Science Essentials  
Introduction to Engineering  
Advanced Robotics  
Manufacturing Operations and Robotics  
Engineering Capstone  
Drone Technology and Design

## **MVCTC Programs**

Architectural Design  
Robotics and Automation

## **Hobbies and Activities**

Participate in Science Fair  
Learn about computer applications or technology  
Job shadow an engineer  
Honors Seminar of Metro Dayton  
Attend science camp  
Join Academic Challenge

## **OCCUPATIONS**

- Aerospace Engineers
- Anthropologists
- Archeologists
- Astronauts
- Biologists
- Biomedical Engineers
- Chemists
- Civil Engineers
- Electrical Engineers
- Energy Engineers
- Engineering Technicians
- Environmental Engineers
- Environmental Scientists
- Geographers
- Geologists
- Industrial Engineers
- Manufacturing Engineers
- Marine Biologist
- Mathematicians
- Mechanical Engineers
- Meteorologists
- Nuclear Engineers
- Physicists

# FINANCE

*Are you the treasurer of a club or organization?*  
*Do you enjoy working with numbers?*  
*Are you good at math and like to work with numbers*  
*Are you interested in the stock market?*  
*Are you comfortable following detailed plans for work?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in finance.

In the finance cluster, you would keep track of money, provide financial services to a business or individual, maintain records or give advice to business executives. You could work in financial planning, banking, or insurance.

## **Helpful Butler High School Courses**

Communication and Technology  
Intro to Money and Business A and B  
Business Microeconomics and Macroeconomics  
Small Business Finance  
Internship  
Financial Accounting  
Applied Technology  
Applied Technology II  
AP Calculus, Calculus, Probability & Statistics  
Pre-Calculus  
Data Science Foundations  
World Language

## **MVCTC Programs**

Business Ownership

## **Hobbies and Activities**

Treasurer of an organization  
Work in a concession stand  
Help with class fundraisers  
Manage your own checking and banking account

## **OCCUPATIONS**

- Accountants
- Auditors
- Actuaries
- Appraisers
- Bank Tellers
- Bill Collectors
- Brokerage Clerks
- Budget Analysts
- Credit Analysts
- Credit Checkers
- Economists
- Financial Analysts
- Insurance Adjustors
- Insurance Agents
- Insurance Underwriters
- Loan Clerks
- Loan Officers
- Securities Salespeople
- Tax Preparers
- Title Examiners

# GOVERNMENT & PUBLIC ADMINISTRATION

*Have you served as an officer of a club or organization?  
Do you like to plan and organize activities?  
Are you interested in politics?  
Would you like to work in another country?  
Are rules and laws important to you?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in government and public administration.

Government and public administration workers help pass and enforce the law. You could work in national, state, or local government. You will find almost every type of occupation within government. You could inspect new or remodeled buildings, help people file paperwork for a marriage certificate or create proposals for urban development.

## **Helpful Butler High School Courses**

Communication and Technology  
Intro to Money and Business A and B  
Business Microeconomics and Macroeconomics  
Financial Accounting  
Small Business Finance  
Applied Technology  
AP Calculus, Calculus, Probability & Statistics  
Current Events  
World Language  
AP Government  
Social Psychology  
Sociology  
AP European History

## **MVCTC Programs**

### **Hobbies and Activities**

Student Congress  
Debate Club  
Student Liaison  
Mock Trial  
Attend City Council or Township meetings  
Visit a local courthouse or public safety building  
Job shadow a state legislative representative

## **OCCUPATIONS**

- Compliance Officers and Inspectors
- Construction and Building Inspectors
- Foreign Service Officers
- Government Benefits Interviewers
- Recruiters
- Interpreters and Translators
- License Clerks
- Mail Carriers
- Meter Readers
- Postal Clerks
- Postmasters
- Social and Community Service Managers
- Tax Examiners
- Transportation Inspectors
- Urban and Regional Planning
- Lawyers
- Representatives

# HEALTH SCIENCE

*Do you enjoy science class?*  
*Do you enjoy helping people?*  
*Do you follow instructions exactly?*  
*Can you work fast in an emergency?*  
*Do you take good notes in class?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in health science.

Health science workers promote health and wellness, diagnose and treat injuries and disease. You could work directly with people, in a lab doing research, or provide administration support by keeping medical records.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
AP Calculus, Calculus, Probability & Statistics  
AP Biology  
AP Chemistry  
Physics  
Anatomy and Physiology  
Principles of Biomedical Science  
World Language  
Social Psychology  
Sociology  
Child Development

## **MVCTC Programs**

Sports Management and Marketing  
Health Occupations  
Health Careers  
Biotechnology  
Medical Lab Assisting  
Pre-Nursing  
Dental Assistant  
Sports Medicine

## **Hobbies and Activities**

Attend community health fairs  
Become involved in your community wellness center  
Attend a health science camp  
Volunteer at a hospital or nursing home

## **OCCUPATIONS**

- Anesthesiologists
- Athletic Trainer
- Chiropractor
- Dental Hygienists
- Dentist
- Dermatologist
- Dieticians
- Emergency Medical Technicians
- Exercise Physiologist
- General Practitioner
- Gynecologists
- Health Services Administrator
- Home Health Aides
- Massage Therapist
- Medical Assistant
- Medical Lab Tech
- Nurse Anesthetist
- Nurse Practitioner
- Nurse (RN & LPN)
- Optometrist
- Pediatrician
- Pharmacist
- Phlebotomist
- Physical Therapist
- Physician Assistant
- Radiologist
- Surgeons

# HOSPITALITY AND TOURISM

*Would you like to get paid to help people have fun?*

*Do you enjoy travel?*

*Have you worked in a restaurant?*

*Do you like to plan family recreational activities?*

*Do you like to cook?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in hospitality and tourism.

Hospitality and tourism workers help people enjoy vacations and entertainment activities. You might work in a restaurant, resort, sports arena, theme park, museum or hotel.

## **Helpful Butler High School Courses**

Communication and Technology

Applied Technology I and II

Digital Design

World Language

Career and Financial Management

Principles of Food

Global Foods

Child Development

Anatomy and Physiology

Intro to Money and Business A and B

Small Business Finance

## **MVCTC Programs**

Hospitality Services

Culinary Arts

## **Hobbies and Activities**

Join 4-H

Join a committee to plan an event

Join a world language club

Help local businesses cater events in the community

Plan and cook meals for family or friends

Take a part-time job in a restaurant, amusement center or hotel

Plan a family vacation

## **OCCUPATIONS**

- Baggage Porters and Bellhops
- Baristas
- Caterers
- Chefs and Dinner Cooks
- Concierges
- Counter Attendants
- Fast Food Cooks
- Food Preparation Workers
- Hotel and Motel Managers
- Janitor and Housekeeper Supervisors
- Recreation Attendants
- Recreation Workers
- Reservation and Ticket Agents
- Restaurant Hosts
- Restaurant Managers
- Tour Guides
- Travel Agents
- Waiters and Waitresses
- Wedding Planners

# HUMAN SERVICES

*Do you help friends with their personal problems?  
Are you a good listener?  
Do you care about people and want to help in some way?  
Have you cared for children or done babysitting?  
Do you like to help friends and family members look their best?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in human services.

Human service workers help individuals and families meet their personal needs. You might work in a government office, hospital, nonprofit agency, nursing home, spa, hotel or school.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
Child Development  
Anatomy and Physiology  
Intro to Money and Business A and B  
Small Business Finance  
Child Development  
Interior Design  
Sewing  
Social Psychology  
Sociology

## **MVCTC Programs**

Cosmetology

## **Hobbies and Activities**

Join 4-H  
Future Educators of America  
Volunteer in a soup kitchen or pantry  
Babysit  
Coordinate a school wide clothing or food drive  
Volunteer in a hospital or nursing home  
Work as a peer tutor

## **OCCUPATIONS**

- Addictions Counselor
- Barbers
- Child Care Worker
- Clergy
- Customer Service Representative
- Embalmer
- Financial Counselor
- Funeral Attendant
- Funeral Director
- Genetic Counselor
- Cosmetologist
- Manicurist
- Marriage and Family Therapist
- Mental Health Counselor
- Professional Organizer
- Psychologist
- Rehabilitation Counselor
- School Counselor
- School Psychologist
- Social Worker
- Tattoo Artist

# INFORMATION TECHNOLOGY

*Do you enjoy working with computers?  
Have you created your own webpage?  
Is mathematics a favorite subject?  
Are you organized and able to focus on details?  
Do you learn new computer programs quickly?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in information technology.

Information technology is an area that is growing and always changing with new technology and developments. Employees in IT work with computer hardware, software, multimedia, and network systems. In this cluster, you might design computer games, ensure technology is working properly, or manage a network. You would have the opportunity to work in all types of businesses and environments.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
Digital Design  
Intro to Money and Business A and B  
Small Business Finance  
Physics  
AP Calculus, Calculus, Probability & Statistics  
Data Science Foundations  
Computer Aided Drafting  
Yearbook  
Music Technology  
Computer Science Essentials

## **MVCTC Programs**

Digital Design Technology  
Graphic Commercial Art  
Computer Network & Cyber Security  
Computer Repair and Technical Support  
Computer Coding and Web Applications

## **Hobbies and Activities**

Set up computers and install software  
Job shadow the technology coordinator at your school  
Use multimedia for projects  
Create a web page for a local organization  
Set up your own local area network for gaming  
Volunteer to provide technical support for a nonprofit agency

## **OCCUPATIONS**

- Computer and Information Systems Managers
- Computer Engineers
- Computer Security Specialists
- Computer Support Specialists
- Computer Systems Administrators
- Computer Systems Analysts
- Database Administrators
- Web Developers
- Game Designers

# LAW AND PUBLIC SAFETY

*Are you able to work under pressure?*  
*Can you work with various kinds of people?*  
*Do you like to help people?*  
*Can you work in the face of danger?*  
*Are you good at winning arguments?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in law, public safety, and security.

Law, public safety, corrections, and security workers are found in a variety of settings. In this cluster, you guard the public by enforcing the law or keeping people safe.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
AP Government  
Social Psychology  
Sociology  
Current Events  
Anatomy and Physiology  
Certified Production Technician Credential

## **MVCTC Programs**

Air Force Junior ROTC  
Criminal Justice  
Firefighter/EMS

## **Hobbies and Activities**

Mock Trial  
Debate  
History Club  
Student Congress  
Student Liaison  
Visit a local courthouse or public safety office  
Volunteer with programs for at-risk youth  
Job shadow a lawyer at a legal firm  
Attend City Council or Township meetings  
Attend court hearing and other public legal procedures

## **OCCUPATIONS**

- Ambulance Driver
- Animal Control Worker
- Bailiff
- Border Patrol Agent
- Clerk of Courts
- Coroner
- Corrections Officer
- Detective
- Fire Fighter
- Fire Inspector
- Forensic Scientist
- Judge
- Lawyer
- Legal Secretary
- Life Guard
- Mediator
- Paralegal
- Parking Enforcement
- Police Officer
- Private Detective
- Probation Officer
- Secret Service
- Security Guard
- Sheriff
- Transportation Agent



# MANUFACTURING TECHNOLOGIES

*Are you good with working with your hands?  
Can you explain to others how a machine works?  
Do you set up and repair equipment for yourself and others?  
Do you enjoy reading about new technology and electronics?  
Can you visualize how a machine works?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in manufacturing technology.

In this cluster, you can choose one of several options. You might design a new product or determine how the product will be made. Another is to install and repair products.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
Physics  
AP Chemistry  
Woods I and Advanced Woods  
Computer Aided Drafting  
Home Maintenance  
Introduction to Engineering  
Advanced Robotics  
Manufacturing Operations and Robotics  
Engineering Capstone  
Introduction to Money and Business A and B  
Small Business Finance

## **MVCTC Programs**

Construction Carpentry  
Electrical Trades  
Heating, Ventilation and Air Conditioning  
Precision Machining  
Robotics and Automation  
Welding

## **Hobbies and Activities**

Do repair and home improvement projects  
Job shadow at an architecture or home design firm

## **OCCUPATIONS**

- Chemical Engineers
- Chemical Plant Operator
- Forklift Operator
- Geothermal Technician
- Home Electronic Repair
- Hydroelectric Repair
- Locksmith
- Machinist
- Packer and Packager
- Power Plant Operator
- Quality Control Inspector
- Safety Engineer
- Security/Fire Alarm Installer
- Tailors
- Tool and Die Makers
- Welders
- Wind Turbine Technician
- Woodworking Machine Operator

# MARKETING, SALES, AND SERVICE

*Can you be persuasive?*

*Do you like to do public speaking or debating?*

*Are you good at organizing your time?*

*Have you helped convince people to participate in an activity?*

*Are you friendly and outgoing?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in marketing.

Marketing, sales, and service workers help businesses sell products. You might advertise and promote products so customers want to buy them, or you might sell products to customers.

## **Helpful Butler High School Courses**

Communication and Technology

Applied Technology I and II

Digital Design

Sewing

Yearbook

Financial Accounting

Intro to Money and Business A and B

AP Calculus, Calculus, Probability & Statistics

Data Science Foundations

Small Business Finance

Internship

Intro to Art A and B

## **MVCTC Programs**

Sports Management and Marketing

## **Hobbies and Activities**

Student Congress

Help with class fundraisers

Join a committee to plan an event

Design promotional materials

Work part time in a retail store

Read newspapers and magazines to stay current on consumer trends

## **OCCUPATIONS**

- Advertising Salespeople
- Buyers and Purchasers
- Cashiers
- Counter and Rental Clerks
- Customer Service
- Floral Designers
- Market Research Analysts
- Marketing Managers
- Merchandise Displays
- Models
- Opticians
- Parts Salespeople
- Public Relations
- Purchasing
- Real Estate Agents
- Retail Salespeople
- Sales Managers
- Telemarketers

# PERFORMING AND FINE ARTS

*Do you have a passion for music or fine arts?  
Are you gifted artistically?  
Do you love performing music?  
Do you sing or play instruments really well?  
Can you see yourself teaching music or directing bands or choirs?*

If you answered yes to two or more of these questions you might be interested in pursuing a career in fine and/or performing arts.

There are countless jobs in the world of music and fine arts. The following classes and activities will help prepare you for further studies in performing and fine arts.

## **Helpful Butler High School Electives Courses**

Concert Choir  
Concert Band  
Women's Choir  
Symphonic Choir  
Honors Symphonic Choir  
Symphonic Band  
Honors Symphonic Band  
Music Listening (history of music)  
AP Music Theory  
AP Art History  
Music Technology  
Class Piano  
Introduction to Art A and B  
Drawing 1 and 2  
Design  
Painting 1 and 2  
Computer Based Graphic Design & Digital Photography  
Senior Studio Art Seminar  
Communication and Technology

## **Hobbies and Activities**

Be part of a band or choir at school  
Take private art lessons  
Take private lessons for voice or an instrument  
Do research of career fields in music and fine arts  
Get involved with the Butler musical as a singer, instrumentalist or as part of the technical crew

## **OCCUPATIONS**

- Band Director
- Choir Director
- General Music Teacher
- Playing in a professional orchestra
- Studio Singer
- Studio Musician/Instrumentalist
- Live Performer in Pop/Rock Music
- Live Performer in Theater
- Composer
- College Teacher/Professor
- Creating Soundtracks
- Creating Scores for Movies/TV
- Owning/Running a Private Studio
- Teaching Private Lessons
- Music Merchandising
- Video and Sound Engineer
- Professional DJ
- Music Therapist
- Music Agent
- Music Producer
- Art Therapist
- Art Gallery Curator
- Art Teacher
- Illustrator
- Art History/Lecturer
- Art Technician/Demonstrator
- Art Conservator
- Arts Administration and Fundraising
- Photographer

# TRANSPORTATION, DISTRIBUTION & LOGISTICS

*Do you have good eyesight and quick reflexes?*  
*Can you drive a truck or a tractor?*  
*Have you always been fascinated by vehicles?*  
*Do you repair vehicles?*  
*Do you like to read automotive or mechanical magazines?*

If you answered yes to two or more of the questions above, you might be interested in considering a career in transportation, distribution, and logistics.

Transportation, distribution, and logistics workers move people and products by road, air, rail, and water. You might work as a driver, pilot, engineer, captain, or repair person.

## **Helpful Butler High School Courses**

Communication and Technology  
Applied Technology I and II  
Financial Accounting  
Intro to Money and Business A and B  
Small Business Finance  
Woods I and Advanced Woods  
Computer Aided Drafting  
Physics  
Introduction to Engineering  
Manufacturing Operations and Robotics  
Engineering Capstone  
Drone Technology and Design

## **MVCTC Programs**

Diesel Power Technologies  
Heavy Equipment Operator  
Auto Collision  
Automotive Technology  
Aviation Maintenance Technician  
Auto Services

## **Hobbies and Activities**

Read magazines and journals related to transportation trends  
Job shadow a transportation manager or dispatcher  
Volunteer at a local garage or motorcycle shop to learn the basics of auto or small engine repair

## **OCCUPATIONS**

- Air Traffic Controller
- Aircraft Mechanic
- Airplane Pilot
- Auto Body Repair
- Bus and Truck Mechanic
- Bus Driver
- Deckhand
- Dispatcher
- Flight Attendant
- Freight Handler
- Heavy Equipment Mechanic
- Heavy Truck Driver
- Locomotive Engineer
- Boat Mechanic
- Motorcycle Mechanic
- Parking Lot Attendant
- Ship Engineer
- Taxi Driver or Chauffeur
- Train Conductor
- Transportation Agents
- Vehicle Cleaners



## **DEPARTMENTAL COURSES**

# ENGLISH COURSES

All Butler students are required to take four credits of English. These four credits consist of integrated language arts courses. In grades 9, 10, and 11 students participate in year-long courses, which integrate all appropriate objectives from reading, writing, listening/visual literacy, and oral communication from our course of study. Seniors earn a fourth credit of English by selecting from a variety of senior-level courses that will meet their individual needs and interests.

Course level descriptions stated below are applicable to the course selection process. Please read each of these carefully before making choices.

## COURSE SELECTION PROCESS

The English Department has prepared courses according to difficulty and complexity of skills and materials. These courses are typically available on two levels: college and career readiness and honors/advanced placement. The honors level is only for those who are accepted into the program through the evaluation process. These levels serve as a guide to students, parents/guardians, teachers, and guidance counselors for the selection of courses. A description of these levels appears below:

### College and Career Readiness (CCR)

Courses are taught at a pace to improve reading, writing, speaking, listening and research skills. English is mastered in the context of challenging content that requires students to think deeply and to exercise discipline in order to demonstrate understanding, raise questions, and present ideas.

### Honors & Advanced Placement:

The Honors English courses are taught from an academic perspective at an accelerated pace to advance reading, writing, and vocabulary skills. The screening process for acceptance into the program is conducted in the spring of the eighth grade and subsequent years to identify students who meet the established criteria for placement. This level of presentation is best for the student who will be attending a four-year college and has a strong understanding, exceptional ability, and a desire to read and write about literature.

**Because course requirements are at such an advanced level, summer and out-of-school reading is mandated to meet the advanced level needs of the school year studies of the program.**

**Once the student accepts her/her invitation into the program, she/he must remain in the program through the entire school year. At the end of a school year, she/he may elect to leave the program or be asked to do so at the instructor's discretion. A student may not leave the program once she/he has accepted the summer readings for the next school year.**

Parental/Guardian support is vital to the student's success in this level of the English program.

<b>H117</b>	<b>CCR ENGLISH 9 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H118</b>	<b>CCR ENGLISH 9 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

Ninth-grade students are required to take a year-long survey English class that provides opportunities for the student to develop and apply skills in reading, writing, listening, thinking, and speaking. The courses integrate the study of writing skills, vocabulary, and many types of literature (short stories, poetry, novels, essays, and drama). Student ability, career plans, teacher recommendations, and parental/guardian and teacher advice will help determine the level of the course selected.

**Fee:** A course fee (TBD) for purchase of novels and other consumables.

<b>H129</b>	<b>ENGLISH 10 AMERICAN LITERATURE A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H130</b>	<b>ENGLISH 10 AMERICAN LITERATURE B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

The sophomore year in CCR English emphasizes American literature and provides opportunities to advance skills in reading, writing, listening, thinking, speaking and note taking. The course integrates the use of technology in the teaching of these skills.

**Fee:** A course fee (TBD) is required.

<b>H139</b>	<b>ENGLISH 11 VOICES FROM THE ISLES A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H140</b>	<b>ENGLISH 11 VOICES FROM THE ISLES B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

The junior year in CCR English literature emphasizes ACT/SAT test preparation, research, and literature. Specifically, students will investigate literature from the Anglo-Saxon Era to Modernism. They will study representative examples of verse, fiction, non-fiction, and drama throughout their respective time periods. At times, students will be asked to consider film adaptations for critical review and analysis of the transformation from telling into showing, focusing on questions of structure, reliability, and temporality. Furthermore, the student will be expected to respond analytically, intellectually, and emotionally to assigned work. This response will entail class discussions, oral presentations, and the writing of essays, including a college-style research paper.

**Fee:** A course fee (TBD) is required.

## **ENGLISH GRADE 12**

Senior level students must take **1-year of the same topic** for their senior year.  
PLEASE NOTE that these senior English courses are ONLY for senior-level students.

<b>H145</b>	<b>WORLD MYTHOLOGY 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H146</b>	<b>WORLD MYTHOLOGY 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

The course is a survey of mythology from around the world. The course will emphasize how myths function, develop, and spread within a society. The student will compare and contrast the themes and motifs of these stories through class discussions, oral presentations, and responsive writing. The students will examine how mythology has influenced modern literature and film.

**First Semester:** The students will focus on motifs that include creation myths, underworld myths, and apocalyptic myths from a variety of cultures.

**Second Semester:** The students will focus on hero tales from *Gilgamesh* to *Star Wars*.

**Fee:** (TBD) fee is required for 1st semester for purchases, including Dante's *Inferno*.  
(TBD) fee is required for 2nd semester for purchases, including *Beowulf*.

<b>H151</b>	<b>HUMANITIES 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H152</b>	<b>HUMANITIES 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

This class addresses how the historical, cultural, and social events of time have influenced literature from the earliest writings to the modern day. Through an integrated look at the arts, philosophy, and history, the student will learn how literature has evolved over the course of western civilization in response to the values of society. Participants will study a variety of writings from different time periods and cultures and produce their own literary analysis, research, and response pieces based on these studies.

**First Semester:** Pre-history to Renaissance

**Second Semester:** Renaissance to Modern

**Fee:** TBD each semester (Additional text, art supplies, field trips)

NOTE: Students in both Humanities 1 and Humanities 2 may be required to attend cultural activities for which tickets must be purchased.

<b>H153</b>	<b>LITERARY HORROR AND HUMOR 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H154</b>	<b>LITERARY HORROR AND HUMOR 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

This course is a survey of two classic and contrasting literary genres. Over the course of the year, students will study Gothic and comedic literature from around the world. Students will learn a specialized vocabulary related to each genre. Focus areas of the course include examining how modern culture has been and continues to be influenced by the classic elements of the Gothic genre and how the comedic craft of satire is present and influential in society. Students will learn how the elements of comedy and the classic Gothic genre are reflected in modern culture by examining film, television, and satirical cartoons, etc. Students will write literary analysis and response pieces related to the Gothic and comedic pieces read.

**Fee:** TBD to cover purchase of ancillary reading materials

## **HONORS & ADVANCED PLACEMENT ENGLISH**

The Advanced Placement Program is designed for those students with exceptional ability. Students are invited to participate in this program based on the following criteria: achievement level, teacher recommendation, desire to be a part of the program, parental/guardian approval, aptitude for learning, and the ability to function in an academic environment and continued success in the Honors English Program.

**Because course requirements are at such an advanced level, summer and out-of-school reading is mandated to meet the advanced level needs of the school year studies of the program. Parental/Guardian support is vital to the student's success in this program.**

**\*\*\*\*\*Reminder: Once the student accepts her/his invitation into the program and schedules AP and honors courses, she/he must remain in the program through the entire school year. At the end of a school year, she/he may elect to leave the program or be asked to do so at the instructor's discretion. A student may not leave the program once she/he has accepted the summer readings for the next school year.**



<b>H161</b>	<b>* HONORS ENGLISH 9 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H162</b>	<b>* HONORS ENGLISH 9 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of the honors evaluation matrix and recommendation of the instructor at the eighth grade are required.

Once the student accepts his/her invitation into the program and schedules this honors course (this includes both parent/guardian and student signature on the course registration form), he/she must remain in the program through the entire school year.

The accelerated pace of the freshman honors English course will introduce the student to literature from various time periods and cultures through the genres of poetry, fiction, non-fiction, and drama. There will be the need for numerous assigned independent reading and analytic writing responses to the literature completed outside the classroom. The review of grammar will focus on the application of the skills to the student writing assignments.

**Fee:** TBD

<b>H163</b>	<b>* HONORS ENGLISH 10 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H164</b>	<b>* HONORS ENGLISH 10 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of the evaluation matrix or the successful completion of the previous honors level as recommended by the instructor.

Once the student accepts his/her invitation into the program and schedules this honors course (this includes both parent/guardian and student signature on the course registration form), he/she must remain in the program through the entire school year.

The sophomore year the honors English course will concentrate on the literature of the United States from the Colonial Period through the twentieth century. Samples of the following genres in each period will be studied: poetry, fiction, non-fiction, and drama. This course will also review the concepts of grammar as they apply to writing. Essays of varying lengths and types, including a research paper, will be required. Students should expect to do extensive reading, writing and research. Students entering the Honors 10 program from College Prep 9 will be required to have a parent/guardian/counselor conference to review placement criteria. **Summer reading books: The Great Gatsby, Grapes of Wrath, & The Scarlet Letter.**

**Fee:** TBD

H165	* HONORS ENGLISH 11 A	1st semester	1/2 credit
H166	* HONORS ENGLISH 11 B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of the previous honors level & recommendation by the instructor.

Once the student accepts his/her invitation into the program and schedules this honors course (this includes both parent/guardian and student signature on the course registration form), he/she must remain in the program through the entire school year.

The junior year in Advanced Placement English emphasizes a historical investigation of classical English Literature from the Anglo-Saxon Era to the present. The students will study representative examples of poetry, fiction (novels and short stories), non-fiction (journals, essays, and biographies), and drama of each period examined. In so doing, the student will gain insight into the prevailing religious, philosophical, and aesthetic attitudes that influenced the literature of each era. Furthermore, the student will be expected to respond analytically, intellectually, and emotionally to the assigned work. This response will entail class discussions, oral presentations, and the writing of essays ranging in length from a paragraph to a term paper. Also, students will be given instruction on how to conduct college-level research. **Summer reading books:** Pride and Prejudice, A Tale of Two Cities & Heart of Darkness.

**Fee:** TBD

H167	* ADVANCED PLACEMENT ENGLISH: LITERATURE & COMPOSITION A	1st semester	1/2 credit
H168	* ADVANCED PLACEMENT ENGLISH: LITERATURE & COMPOSITION B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of the previous honors level as recommended by the instructor.

Once the student accepts his/her invitation into the program and schedules this AP course (this includes both parent/guardian and student signature on the course registration form), he/she must remain in the program through the entire school year.

Advanced Placement English 12 emphasizes World Literature and thus complements the previous year of honors English. Students will frequently write in-class essays in response to the literature. This reading and writing will be in preparation for taking the Advanced Placement English Examination given in May by the College Board. Students are encouraged to take the AP exam, which may enable them to earn college credit.

**Fee:** TBD. There is also a fee for the AP exam.

## **HPS101BU \* ENGLISH COMPOSITION I**

### **(COLLEGE CREDIT PLUS SINCLAIR COLLEGE COMPOSITION ENGLISH 1101 COURSE)**

**Full year**

**1 credit**

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** 4 or higher on the Sinclair College Accuplacer placement test

This year-long college-level composition course transfers into most college programs for one semester of college English composition credit (3 semester hours). Its focus is for students to learn reflective, analytical, and argumentative writing strategies; incorporate sources and personal experience; negotiate between public and private rhetorical situations; and ultimately achieve academic literacy. Students will write multiple drafts using a recursive writing process as they work toward fluency in style and mechanics.

**Fee:** As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

## **HPS102BU \* ENGLISH COMPOSITION II**

### **(COLLEGE CREDIT PLUS SINCLAIR COLLEGE COMPOSITION ENGLISH 1201 COURSE)**

**Full year**

**1 credit**

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of CCP ENG 1101 English Composition I

English 1201 is the second of the two composition courses at Sinclair. The central difference between ENG 1101 and 1201 is that ENG 1101 **INTRODUCES** research methods and documentation and requires students to summarize and analyze sources. ENG 1201 takes the research process much further by requiring students to **PRACTICE** research methods and documentation in every assignment. ENG 1201 requires students to summarize, analyze, and employ sources in arguments. Each assignment in ENG 1201 requires research.

English Composition II, building on the skills in English Composition I, develops rhetorical literacy through research, critical reading, and multi-genre writing tasks. Through major and minor, cumulative and stand-alone assignments, students construct arguments and analysis, ethically incorporating academic sources while developing their own voices as writers and citizens.

**Fee:** As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

## **RELATED ENGLISH COURSES**

This section of course descriptions is for those classes taught as a part of the English and Language Arts Department but are **not for English credits** toward the four required for graduation.

### **H177 MULTI-MEDIA PRODUCTION**

**One semester**

**1/2 credit**

*(NOT for English credits toward the four required for graduation)*

Multi-Media Production is designed for those students who have a sincere interest in the multi-media production industry, including areas such as television, film, social media, and video production. Students will learn to operate equipment, write scripts, and direct and generate various multi-media products. Students will be required to produce community and/or school-oriented videos during the semester. This course may be repeated.

**Fee:** TBD

**H183 CREATIVE WRITING****One semester****1/2 credit***(NOT for English credits toward the four required for graduation)*

This course is a survey with the focus on creative works written in both nonfiction and fiction. Students will study the traits of strong creative writing in any form. Students will study fiction and mirror creative techniques of the masters in their own writing. Student participation and input is vital as there will be much discussion and student-centered reading and sharing. This course is for those students interested in learning more about creative media in the world today. This course may be repeated one time.

**Fee:** TBD**H190 COMMUNICATIONS AND TECHNOLOGY****One semester****1/2 credit***(NOT for English credits toward the four required for graduation)*

In today's world, it is essential to learn communication skills that will help you navigate and prepare for college, the workforce, civic, and family roles. With this in mind, the Communications course at Butler High School aims to expose students to the many purposes for formal communication. It will develop students' confidence in their communication skills through a variety of techniques including oral, visual, and multimedia/technology presentations. Students will learn how to effectively research and organize information and determine a delivery method and style appropriate to purpose and audience.

**Fee:** TBD

## SOCIAL STUDIES COURSES

All Butler students are required to complete three credits of social studies: World Studies as a freshman, U.S. Studies as a sophomore, and Government as a junior or senior. All other Social Studies courses are considered to be electives. The State of Ohio economics graduation requirement is covered throughout the core courses of this department.

<b>H211</b>	<b>APPLIED CURRENT EVENTS</b>	<b>One semester</b>	<b>1/2 credit</b>
	<i>(NOT for Social Studies credit toward the graduation requirement)</i>		

**Open to seniors and juniors only**

**Prerequisite:** U.S. Studies

Applied Current Events is a one-semester course structured to critically examine current events at the local, state, national and international levels. The reality of social studies concepts as taken in our courses here at Butler High School are brought to life when applied to topics current in the media. Economics, government, history, geography, psychology, and sociology are examined in the news of the day, week, or month.

Course objectives:

- ✓ Learn creative problem solving by collaborating with others
- ✓ Deliberate, negotiate, compromise and/or build consensus while discussing current topics
- ✓ Make connections from topics current in the media to social studies concepts
- ✓ Gain a greater understanding behind the news stories of the day
- ✓ Use reliable websites and other sources to research current events
- ✓ Critically analyze media biases

**Fee:** TBD

<b>H221</b>	<b>WORLD STUDIES A <i>from 1600 to the Present</i></b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H222</b>	<b>WORLD STUDIES B <i>from 1600 to the Present</i></b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Required of all freshmen**

This course incorporates each of the seven State Department social studies standards: history, people in societies, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. This course uses TCI *History Alive: World Connections* online and print resources

**Fee:** TBD

<b>H241</b>	<b>UNITED STATES STUDIES A</b>	<b><i>from 1877 to the Present</i></b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H242</b>	<b>UNITED STATES STUDIES B</b>	<b><i>from 1877 to the Present</i></b>	<b>2nd semester</b>	<b>1/2 credit</b>
<i>(Meets NCAA Core Course requirement for Eligibility)</i>				

**Required of all sophomores**

Students study the history of the United States from Reconstruction to the present. As students study historic eras, they consider the geographic, cultural, economic, and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

**Fee:** TBD

<b>H251</b>	<b>UNITED STATES GOVERNMENT A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H252</b>	<b>UNITED STATES GOVERNMENT B</b>	<b>2nd semester</b>	<b>1/2 credit</b>
<i>(Meets NCAA Core Course requirement for Eligibility)</i>			

**Required for graduation** (These courses may be offered in the Blended Model)

1<sup>st</sup> Semester: This semester emphasizes the foundations of American Government, American Political systems, and citizenship. The Federal government, the three branches, along with the Constitution, will be examined.

**Fee:** TBD

2<sup>nd</sup> Semester: This semester focuses on state and local government. Government content is applied to current events, discussions, and enrichment activities.

NOTE: Attendance/exposure to a local government meeting is required.

**Fee:** TBD

<b>H257</b>	<b>* ADVANCED PLACEMENT U.S. GOVERNMENT &amp; POLITICS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H258</b>	<b>* ADVANCED PLACEMENT U.S. GOVERNMENT &amp; POLITICS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>
<i>(Meets NCAA Core Course requirement for Eligibility)</i>			

**Open to seniors and juniors only**

**Prerequisites:** Recommendation of the student's U.S. Studies teacher, and parent/guardian/student's signatures on the instructor letter.

The AP program in U.S. Government and Politics is designed to give students an analytical perspective on government and politics in the United States. This course includes both the student of general concepts used to interpret the U.S. Government and Politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. Government and Politics. Students will become acquainted with the variety of theoretical perspectives and explanations for the various behaviors and outcomes. **Summer study materials over vocabulary, court cases, and amendments will be assigned and due the first week of school.** Students are encouraged to take the AP exam in the spring.

**Fee:** TBD. There is also a fee for the AP exam.

<b>H261</b>	<b>SOCIOLOGY 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H262</b>	<b>SOCIOLOGY 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Open to seniors and juniors only, and Sociology 1 is recommended before Sociology 2**

The class focuses on investigating and analyzing group or social behavior. Topics of study will include social problems, conformity, deviance, roles, relationships, groups, cultures, marriage, family, discrimination, poverty, crime, religion, the media, science, and sport. Current events will be studied as they relate to sociological concepts. The student will be required to participate in discussions, individual and group projects, and to utilize sociological research methods.

**Fee:** TBD

<b>H271</b>	<b>SOCIAL PSYCHOLOGY 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H272</b>	<b>SOCIAL PSYCHOLOGY 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Psychology 1: Open to seniors and juniors only**

Psychology 1 will introduce the student to the field of psychology. It will concern itself with the question: "Why do individuals do what they do?" Topics include: "What is Psychology?" misconceptions of psychology, how we learn, theories of personality development, and altered state of consciousness. The course is designed to prepare the student for college level psychology. The course should prove beneficial to any students considering a career in the various social services or helping professions.

**Psychology 2: Open to seniors and juniors only, and Psychology 1 is recommended**

Psychology 2 is basically an extension of Psychology 1. The topics to be investigated include abnormal behaviors, biological influences on behavior, emotional problems of adolescents, developmental stages, and dealing with stress.

**Fee:** TBD

<b>H280</b>	<b>U. S. CONSTITUTION</b>	<b>One Semester</b>	<b>1/2 credit</b>
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**Open to seniors and juniors only**

This course will provide students with a further understanding of the U. S. Constitution's text, history, structure, and landmark cases of the Supreme Court. Topics will also include amendments to the Constitution, origins and purposes of the Constitution, and principles of government covered in the Constitution.

**Fee:** TBD

<b>H291</b>	<b>* ADVANCED PLACEMENT EUROPEAN HISTORY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H292</b>	<b>* ADVANCED PLACEMENT EUROPEAN HISTORY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Open to seniors and juniors only**

**Prerequisites:** Permission of the instructor.

The AP program in European History is designed to provide students with the analytic skills and factual knowledge necessary to critically examine issues in European History. The program prepares students for college course work and the AP exam in European History. Students are encouraged to take the AP exam in the spring. In addition to exposing students to historical content, the AP course will train students to analyze and interpret primary and secondary source documents. **Summer assignments will include establishing required online accounts, reading two books and three chapters in the main text, written work, and viewing some online videos. This course is offered in alternate years. It will NOT be offered in the 2023-2024 school year but is anticipated to be offered again in the 2024-2025 school year.**

**Fee:** TBD. There is also a fee for the AP exam.

<b>H295</b>	<b>* ADVANCED PLACEMENT ART HISTORY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H296</b>	<b>* ADVANCED PLACEMENT ART HISTORY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors and juniors only**

**Prerequisites:** Permission of the instructor.

Students in the AP Art History course examine and critically analyze architecture, painting, sculpture, and other visual media in historical and cultural context from the pre-historic past to the present. The course is a college level survey course in Art History. It therefore prepares students for college coursework and the AP Exam in Art History. While visual analysis is a fundamental tool of art historians, the main focus of the art history course is to understand how and why works of art function in context, with consideration of such issues as patronage, gender, and the purposes and effects of works of art. Western art makes up the larger part of the course content; however, a substantial portion of the course content is non-Western. **Summer assignments include establishing required online accounts, watching some introductory videos, reading a couple articles, and making a museum visit. This course is offered in alternate years. It will be offered in the 2023-2024 school year. It will NOT be offered in the 2024-2025 school year but is anticipated to be offered again in the 2025-2026 school year.**

**Fee:** TBD. There is also a fee for the AP exam.

<b>H299</b>	<b>FINANCIAL LITERACY &amp; CAREER EXPLORATION</b>	<b>One Semester</b>	<b>1/2 credit</b>
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This course will give students the practical life skills in financial literacy and knowledge to help them to be successful in career exploration, personal budgeting, and degree management.

Financial Literacy – Know what impacts your bottom line: Topics like investing, insurance, using credit, planning for retirement, personal budgeting, basic economic theory, and the financial impact of major life decisions.

Career Exploration – Take command of your career: Topics like motivating others, defining/solving problems, project planning, and building the perfect resume.

This course satisfies the State of Ohio financial literacy graduation requirement.

**Fee:** TBD



## WORLD LANGUAGE COURSES

While world language courses are not required for graduation from Butler, they are strongly recommended for those students planning on attending a four-year college to meet the required minimum core endorsed by Ohio colleges in a college preparatory curriculum. Each world language choice requires extensive additional study time, memorization, grammar, and vocabulary fundamentals to be a successful learning experience. **Students who wish to excel in world language should strongly consider taking four years of world language study.**

<b>H310</b>	<b>LATIN 1 B (YEAR-LONG)</b>	<b>Full year</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

This course continues the study of the Latin Language only for those students who already have Latin 1 A credit from Morton Middle School. It will continue the emphasis on the basic grammar, vocabulary, and syntax of the language, but at a more measured pace. Reading comprehension and translation are stressed. Aspects of Roman culture are also studied. To be successful in this course, the student will be required to memorize and complete daily homework assignments.

**Fee:** TBD

<b>H311</b>	<b>LATIN 1 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H312</b>	<b>LATIN 1 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

This course introduces the student to the Latin Language with emphasis on the basic grammar, vocabulary, and syntax of the language. Reading comprehension and translation are stressed. Aspects of Roman culture are also studied. To be successful in this course, the student will be required to memorize and complete daily homework assignments. A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

**Fee:** TBD

<b>H313</b>	<b>LATIN 2 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H314</b>	<b>LATIN 2 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

**Prerequisite:** Suggested C average after the completion of Latin 1

This course is a continuation of grammar mastery and vocabulary. During the first semester, the translations provided tell a great deal about mythology. The second semester is devoted to learning and mastering new grammar. Homework is a daily requirement. **Summer assignments may be required.** A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

**Fee:** TBD

H315	* LATIN 3 A	HONORS	1st semester	1/2 credit
H316	* LATIN 3 B	HONORS	2nd semester	1/2 credit
<i>(Meets NCAA Core Course requirement for Eligibility)</i>				

**Prerequisite:** Honors course - C average or better in Latin 2

This course emphasizes grammar mastery and translation of Roman authors integrated into a history of Rome from its founding in 753 B.C.E. to the reign of the emperor Trajan and the eruption of Mt. Vesuvius in 79 C.E. Homework is a daily requirement. **Summer assignments will be required.** A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

**Qualifying students enrolling in Latin 3 may elect to take this class as LAT 2010 Intermediate Latin 1, earning 3 college semester credit hours from Wright State University. To take advantage of this option, students must meet the admission requirements for Wright State University and must have earned an average of a 3.0 for their 4 semesters of Latin (BOTH Latin 1 & Latin 2). Students planning on this option must still sign up for Latin 3 on their schedules.** As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

**Fee:** TBD

H317	* ADVANCED PLACEMENT LATIN 4 A		1st semester	1/2 credit
H318	* ADVANCED PLACEMENT LATIN 4 B		2nd semester	1/2 credit
<i>(Meets NCAA Core Course requirement for Eligibility)</i>				

**Prerequisite:** Honors course - C average or better in Latin 3

This course emphasizes grammar, translation, and interpretation of Latin texts, specifically Vergil's *Aeneid* and Caesar's *Gallic Wars*. Students in this course may elect to take the Advanced Placement Test given each May by the College Board, which will enable students to receive college credit if they receive a qualifying score on the exam. Homework is a daily requirement. **Summer assignments will be required.**

**Qualifying students enrolling in AP Latin 4 may elect to take this class as LAT 2020 Intermediate Latin II, earning 3 college semester credit hours from Wright State University. To take advantage of this option, students must have taken LAT 2010 in place of Latin 3. Students planning on this option must still sign up for Latin 4 on their schedules.** As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

**Fee:** TBD for English translation of the *Aeneid*; there is also a fee for the AP exam.

H331	SPANISH 1 A	1st semester	1/2 credit
H332	SPANISH 1 B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

This course introduces the student to the Spanish language and is taught primarily in Spanish. The four basic language skills: listening, speaking, reading, and writing are taught. Basic vocabulary for effective communication is learned. Daily homework is required. It is recommended that students who enroll have a strong C+ average in English. Be advised that Spanish 1 has a maximum enrollment cap. Not all students who request Spanish 1 are able to take it; students must list an alternate language on their registration form. Also, students are encouraged to submit their registration form as soon as possible to improve their chances of possibly being selected for Spanish 1 if the maximum enrollment is reached. A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

**Fee:** TBD, includes the purchase of two leveled readers

H333	SPANISH 2 A	1st semester	1/2 credit
H334	SPANISH 2 B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Suggested C average or better in Spanish 1

This course continues the emphasis on grammar and conjugation of verb forms. Manipulation of the Spanish language is encouraged through conversation and writing exercises. A more extensive vocabulary and grammar is taught, and meaningful oral communication is encouraged. **Summer assignments may be required.** A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

**Fee:** TBD, includes the purchase of two leveled readers

H335	* SPANISH 3 A	HONORS	1st semester	1/2 credit
H336	* SPANISH 3 B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Honors course - C average or better in Spanish 2

This course is taught entirely in Spanish except when an explanation in English is necessary for clarity and better understanding. The whole grammatical structure learned in the first two years is quickly reviewed, and greater emphasis is placed on the finer and more difficult grammatical structures of the language. Self-expression through the use of short compositions and oral presentations is required. Short literary passages written by well-known Spanish authors are read and discussed. **Summer homework is required for the course: students will be assigned a grammar packet to be completed prior to the first day of school and study for a quiz over the previously learned verb tenses and grammatical structures. The quiz will take place the first week of school.** A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

***Qualifying students enrolling in Spanish 3 may elect to take this class as SPN 2010 Intermediate Spanish 1, earning 3 college semester credit hours from Wright State University. To take advantage of this option, students must meet the admission requirements for Wright State University. It is recommended that students entering this course have earned an average of a 3.0 for each semester of Spanish (BOTH Spanish 1 & Spanish 2). Students planning on this option must still sign up for Spanish 3 on their schedules. As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.)***

**Fee:** TBD, includes the purchase of three leveled readers

H337	* HONORS SPANISH LANGUAGE & CULTURE A 1st semester	1/2 credit
H338	* HONORS SPANISH LANGUAGE & CULTURE B 2nd semester	1/2 credit
<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

**Prerequisite:** Honors course - C average or better in Spanish 3, instructor permission

This class is conducted entirely in Spanish, and students' active participation and use of Spanish during class are required. The course emphasizes expanding vocabulary, mastering complex grammatical structures, and attaining communicative proficiency through a variety of reading, writing, listening, and speaking activities and assignments. A variety of literary texts from the Spanish-speaking world serves as a basis for developing these skills, in addition to furthering students' cultural and historical knowledge. Students in the class may elect to take the Advanced Placement Spanish test given each May by the College Board. **Summer assignments will be required.**

A failing grade at the end of the first semester will result in the immediate withdrawal from the class for the second semester.

***Qualifying students enrolling in AP Spanish 4 may elect to take this class as SPN 2020 Intermediate Spanish II, earning 3 college semester credit hours from Wright State University. To take advantage of this option, students must meet the admission requirements for Wright State University. It is recommended that students entering this course have earned an average of a 3.0 for each semester of Spanish (Spanish 1-3). Students planning on this option must still sign up for Spanish 4 on their schedules. As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).***

**Fee:** TBD, includes the purchase of an AP workbook. There is also a fee for the AP exam.

## MATHEMATICS COURSES

All Butler students are required to complete four credits in mathematics for graduation. Students who graduate from high school should take mathematics every year. All students must complete a minimum of Algebra 1, Geometry, and Algebra 2 (or an Algebra 2 equivalent course).

An Honors Mathematics Program is offered for students with exceptional mathematics ability. Students may request to enter the honors program subject to successful completion of the mathematics evaluation matrix.

The following lists show the different pathways of mathematics courses which will prepare all students for post-high school opportunities. **These pathways are not exhaustive.**

Note: (\*) Denotes an Honors Course

Note: Data Science Foundations is a mathematics course that is an Algebra 2 equivalent for students who will not be taking Algebra 3 or higher math courses. It may also be used as an elective credit. See the course description for more information.

Note: Financial Math and Applications is a mathematics course that may be used as a 4th-year math credit with teacher recommendation, or as an elective credit in conjunction with another math course. See the course description for more information.

### Pathways for students starting Algebra in 7th grade.

Grade	Path 1	Path 2	Path 3	Path 4	Path 5
9th	*Algebra 2	*Algebra 2	*Algebra 2	Algebra 2	Algebra 2
10th	*Algebra 3	*Algebra 3	*Algebra 3	Algebra 3	Algebra 3
11th	*Pre-Calc	*Pre-Calculus	*Pre-Calculus	Pre-Calculus	Pre-Calculus
12th	*AP Calculus	*AP Statistics	Calc & Prob/Stats	Calc & Prob/Stats	Data Science

**Note:** Students choosing Path 1 are highly encouraged to take Probability & Statistics OR \*AP Statistics as an elective their junior/senior year.

### Pathways for students starting Algebra in 8th grade.

Grade	Path 1	Path 2	Path 3	Path 4	Path 5
9th	Acc. Geometry	Acc. Geometry	Acc. Geometry	Geometry	Geometry
10th	Algebra 2	Algebra 2	Algebra 2	Algebra 2	Algebra 2
11th	Algebra 3	Algebra 3	Algebra 3	Algebra 3	Algebra 3
12th	*AP Statistics	Pre-Calculus	Data Science OR Fin. Math	Pre-Calculus	Data Science OR Fin. Math

### Pathways for students starting Algebra in 9th grade.

Grade	Path 1	Path 2	Path 3	Path 4
9th	Math Concepts	Math Concepts	Algebra 1	Algebra 1
10th	Integrated Algebra 1	Integrated Algebra 1	Geometry OR Acc. Geo	Geometry OR Acc. Geo
11th	Geometry OR Acc. Geo	Geometry OR Acc. Geo	Algebra 2	Algebra 2
12th	Data Science	Algebra 2	Data Science OR Fin. Math	Algebra 3

<b>H415</b>	<b>MATH CONCEPTS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H416</b>	<b>MATH CONCEPTS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(This course does NOT meet NCAA Core Course requirement for Eligibility)  
Student-athletes should discuss eligibility needs with their counselor.*

This course is an Algebra Concepts course. It is the first in a two-year series with students taking H417/H418 Algebra 1 the following year. This course will focus on linear functions, equations, inequalities, graphing, and applications.

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H417</b>	<b>INTEGRATED ALGEBRA 1 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H418</b>	<b>INTEGRATED ALGEBRA 1 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Math Concepts

This particular Algebra 1 course is a continuation from Math Concepts. Students will continue the study of linear functions. They will also study quadratic and exponential functions, as well as statistics. Successful completion of this course requires taking the State of Ohio Algebra 1 end-of-course exam.

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H421</b>	<b>ALGEBRA 1 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H422</b>	<b>ALGEBRA 1 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

Students will study algebraic expressions, linear and quadratic functions, and factoring.

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H431</b>	<b>GEOMETRY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H432</b>	<b>GEOMETRY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra 1

Students will study lines, angles, proofs, triangles, polygons, quadrilaterals, trigonometry, similarity, circles, area, and volume. This course also covers basic data analysis and probability.

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H433</b>	<b>ACCELERATED GEOMETRY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H434</b>	<b>ACCELERATED GEOMETRY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Successful completion of Algebra I and teacher recommendation

Students will study lines, angles, proofs, triangles, polygons, quadrilaterals, trigonometry, similarity, circles, area, and volume. This course also covers basic data analysis and probability.

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H443</b>	<b>FINANCIAL MATH &amp; APPLICATIONS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H444</b>	<b>FINANCIAL MATH &amp; APPLICATIONS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

This course is offered as an alternative to a traditional 4th-year math course. Students will explore applications of mathematical concepts to real-world areas, such as personal finance, statistics, sports, music, art, health and wellness, puzzles and games, and social media. This course can be taken as an elective math credit beyond Algebra 2 (or Data Science Foundations). It may be taken in conjunction with Algebra 2, Data Science Foundations, Algebra 3, Pre-Calculus, Calculus, Probability & Statistics, or AP Calculus. This course cannot replace Algebra 1, Geometry or Algebra 2 (or Data Science Foundations).

**Required Materials:** TI-30X Scientific Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of scientific calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H447</b>	<b>DATA SCIENCE FOUNDATIONS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H448</b>	<b>DATA SCIENCE FOUNDATIONS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Investigating if the course meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra 1 and Geometry

This course satisfies a credit towards mathematics' graduation requirements and satisfies the requirement of an Algebra 2 equivalent course. It may also be taken as an elective course.

Acquiring foundational knowledge in data science and basic programming skills are the primary objectives and outcomes of this course. It includes the use of mathematics, statistics, and computer science methods in analysis and interpretation of data in all forms. In the context of real-world situations students will make predictions and decisions using data. Students combine problem solving and reasoning skills with statistics and modeling to analyze big data to find patterns and communicate meaning in data. Ohio's Learning Standards related to Statistics and Probability relevant to data science are taught along with the data demands of good citizenship in the 21st century. These habits and skills cut across disciplines, promote perseverance, and provide a gateway into successful postsecondary education and a variety of careers.

**Required Materials:** TI-30X Scientific Calculator      **Strongly Recommended:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the models listed above. Other models of scientific or graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H451	ALGEBRA 2 A	1st semester	1/2 credit
H452	ALGEBRA 2 B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Geometry

This is a standard-level course in Algebra 2. Students will study linear, quadratic, polynomial, radical and rational functions.

**Required Materials:** TI-30X Scientific Calculator      **Strongly Recommended:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the models listed above. Other models of scientific or graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H453	* ALGEBRA 2 A	HONORS	1st semester	1/2 credit
H454	* ALGEBRA 2 B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** 8<sup>th</sup> Grade Geometry and teacher recommendation or successful completion of the mathematics evaluation matrix

This is an honors-level course in Algebra 2. Students will study conic sections and linear, quadratic, polynomial, rational and radical functions at an in-depth level. This course is designed for students intending to continue eventually to AP Calculus.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H463	ALGEBRA 3 A	1st semester	1/2 credit
H464	ALGEBRA 3 B	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra 2

Students will study trigonometry, logarithmic and exponential functions, and conic sections.

**Required Materials:** TI-30X Scientific Calculator      **Strongly Recommended:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the models listed above. Other models of scientific or graphing calculators are acceptable, but students are responsible for individual knowledge of their use.



H465	* ALGEBRA 3 A	HONORS	1st semester	1/2 credit
H466	* ALGEBRA 3 B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** \* Algebra 2 Honors or successful completion of the mathematics evaluation matrix

Students will study trigonometry, vectors, parametric equations, polar equations, and exponential and logarithmic functions. This course is designed for students intending to continue eventually to AP Calculus.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H471	PRE-CALCULUS A		1st semester	1/2 credit
H472	PRE-CALCULUS B		2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra 3

Students will complete an in-depth analysis of polynomial, rational, radical, piecewise, logarithmic, exponential, and trigonometric functions. Additional topics include matrices, trigonometric identities, and conic sections.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H473	* PRE-CALCULUS A	HONORS	1st semester	1/2 credit
H474	* PRE-CALCULUS B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** \* Algebra 3 Honors or successful completion of the mathematics evaluation matrix.

Students will complete an in-depth analysis of polynomial, rational, radical, piecewise, logarithmic, exponential, and trigonometric functions. Additional topics include matrices, trigonometric identities, sequences, and series. An introduction to the AP Calculus curriculum is studied at the end of the year in preparation for AP Calculus.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

H475	PROBABILITY & STATISTICS		2nd semester	1/2 credit
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*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Pre-Calculus and/or teacher recommendation

This is a one-semester college preparatory elective course that gives students a foundation of probability and statistics. Topics to be studied include data analysis, measures of central tendency and variation, linear regression analysis, and various probability theories.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H476</b>	<b>CALCULUS</b>	<b>1st semester</b>	<b>1/2 credit</b>
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*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Pre-Calculus and/or teacher recommendation

This is a one-semester college preparatory elective course that gives students an introduction to some of the main concepts covered within a college calculus course. The major topics include limits and derivatives.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H477A</b>	<b>ADVANCED PLACEMENT STATISTICS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H477B</b>	<b>ADVANCED PLACEMENT STATISTICS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra 2

This course will introduce students to the concepts of exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students are expected to have and use a graphing calculator (TI-83 or equivalent). Students completing this course will have the opportunity to take the AP Statistics Exam.

**Required Materials:** TI-84 Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use.

<b>H481</b>	<b>* ADVANCED PLACEMENT A/B CALCULUS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H482</b>	<b>* ADVANCED PLACEMENT A/B CALCULUS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** \* Pre-Calculus Honors, plus students should have a strong understanding of algebra, geometry, and trigonometry.

This is a college-level course equivalent to Calculus I. Students will study limits, continuity, derivatives, applications of derivatives, integrals, and applications of integrals. Students can take the Advanced Placement Calculus AB Examination, which may enable them to receive college credit for Calculus.

**Summer work will be required.**

**Required Materials:** TI-84 Plus Graphing Calculator

**Note:** Teacher demonstrations will be done on the model listed above. Other models of graphing calculators are acceptable, but students are responsible for individual knowledge of their use, as well as making sure it is approved for use on the AP exam.

**Fee:** There is a fee for the AP exam.

## **BUSINESS COURSES**

As citizens of our society, all individuals need to develop basic business understanding. The primary emphasis of the Butler High School Business Department is to provide strong foundations of personal business skills for consumers. A basic knowledge of business subjects for those who plan post-secondary study in many business-related fields is also a part of the courses in business/technology.

### **H511 INTRODUCTION TO MONEY & BUSINESS A**

**1st semester**

**1/2 credit**

#### **Open to seniors, juniors, and sophomores**

This course guides students toward a deep understanding of business principles, careers, and applications for their own personal financial literacy, with emphasis on investments and retirement planning. Topics such as capitalism, supply/demand, and pricing are introduced segueing into the personal finance unit which includes: the functions of banks, money management, credit, interest, loan payments, and a comprehensive view of the time value of money, including present values, future values, one-time payments, and annuity payments. Students are introduced to stocks and bonds and the managing of risk in their investment portfolios via the mutual fund model. An analysis of Individual Retirement Accounts, 401K opportunities, and necessary investment contributions and strategies are taught for a comprehensive view of retirement planning. The semester concludes with the accounting of a sole proprietorship, with an emphasis on the rules of debit/credit and the construction of a company's income statement and balance sheet.

This course satisfies the State of Ohio financial literacy graduation requirement.

Fee: \$10

### **H512 INTRODUCTION TO MONEY & BUSINESS B**

**2nd semester**

**1/2 credit**

#### **Open to seniors, juniors, and sophomores**

As a stand-alone course or optional continuation of Introduction to Money & Business A, this course guides students toward a deep understanding of business principles with an emphasis on corporations and investment in the stock market. Students analyze the financial stability of ten large U.S. corporations. With this knowledge, they deepen their understanding by selecting a virtual stock market portfolio of their own, which is tracked and calculated during the third quarter. During annual "tax season," students are engaged in a vital understanding of U.S. tax laws, in particular current credits and deductions, to minimize personal tax burden. Retirement planning, necessary annual contribution amounts and their associated tax benefits are detailed, inclusive of the benefits of tax-shelters and the different types of shelters, both tax-deferred and non-tax-deferred. Students gain a deep understanding of portfolio management and the necessary market risk needed at the different stages of life. The fourth quarter introduces students to the insurance industry with an emphasis on casualty and life. In addition, students study a comprehensive analysis of financial derivatives and how to hedge a portfolio with call and put options as well as covered call contracts and protected put contracts. Students study the careers of these disciplines, in particular, the actuary and the statistics associated with this field. This course satisfies the State of Ohio financial literacy graduation requirement.

\*\* Introduction to Money & Business A is not a pre-requisite for this course.

Fee: \$10

**STUDENTS CAN COMBINE INTRODUCTION TO MONEY & BUSINESS A and B TO CREATE A FULL-YEAR – IN THAT CASE, THEY SHOULD EITHER REGISTER FOR BOTH:**

<b>H511 INTRODUCTION TO MONEY &amp; BUSINESS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H512 INTRODUCTION TO MONEY &amp; BUSINESS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**OR REGISTER FOR THE COLLEGE CREDIT PLUS OPTION:**

**HPS158BU \* PERSONAL FINANCE (COLLEGE CREDIT PLUS UNIVERSITY OF CINCINNATI PERSONAL FINANCE 2081 COURSE) Full year 1 credit (3 university credit hours)**

**\*Students will receive a high school honors credit for successful completion of FIN 2081**

Open to seniors, juniors, and sophomores

Qualifying students may elect to take Introduction to Money and Business as FIN 2081 Personal Finance, earning 3 college semester credit hours from the University of Cincinnati – Lindner College of Business. To take advantage of this option, students must meet the admission requirements for UC and must have earned a qualifying grade in Introduction to Money & Business A and B (TBD). As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

This course satisfies the State of Ohio financial literacy graduation requirement.

Fee: \$10 each semester

**H532BU \* FINANCIAL ACCOUNTING 1st semester 1 credit (3 university credit hours)**

**Open to seniors only**

**College-Credit Plus – University of Cincinnati, Lindner College of Business (ACCT 2081)**

**\*Advised to enroll in both ACCT 2081 (fall) and ACCT 2082 (spring) for optimal university transferability**

**Prerequisite:** Successful completion of Introduction to Money and Business A and/or B or CCP Personal Finance (FIN 2180).

This fall semester course develops foundational knowledge and skills needed to prepare and analyze basic financial statements. Topics include cash, inventory, fixed assets, current and long-term liabilities and equity. Students will prepare multi-step income statements, classified balance sheets and statements of cash flows. Students will utilize efficiency and effectiveness ratios, as well as vertical and horizontal analysis, to evaluate financial performance.

\*Students must be enrolled as a CCP student with the University of Cincinnati

\*Students will receive a high school honors credit for successful completion of ACCT 2081

As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

Fee: \$0.00

**HPS502BU \* MANAGERIAL ACCOUNTING 2nd semester 1 credit (3 university credit hours)**

**Open to seniors only**

**College Credit Plus – University of Cincinnati, Lindner College of Business (ACCT 2082)**

**Prerequisite:** Successful completion of Financial Accounting (ACCT 2081)

This spring semester course develops foundational knowledge and skills needed to apply accounting data in planning and controlling business operations. Topics include costs, cost drivers and allocation, contribution margin and managerial budgeting.

\*Students must be enrolled as a CCP student with the University of Cincinnati

\*Students will receive a high school honors credit for successful completion of ACCT 2082

As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

Fee: \$0.00

**H543 \* BUSINESS MICROECONOMICS HONORS**

**1st semester**

**1/2 credit**

**Recommended for college-bound seniors and juniors with an interest in business**

This first semester course assists students to learn and comprehend (1) economics as a social science that draws conclusions based on hypotheses, theories, and data in order to understand human behavior, (2) basic microeconomics terms and concepts, including scarcity and choice, equilibrium, efficiency and equity, positive and normative economics, comparative advantage, and specialization, (3) the fundamental economic question of allocating scarce resources, (4) opportunity cost and the production possibility frontier, (5) supply and demand, the function of prices in markets, how markets work and sometimes don't work, including market failure and externalities, (6) the effects of government intervention in markets, (7) how consumers make choices, (8) production theory, (9) the costs of production, (10) firm behavior in competitive markets, (11) firm behavior in imperfect markets, (12) elasticity and its application, (13) markets for resources, the determination of wage rates, interest, and rent, (14) the determination of income distribution, including poverty and discrimination, (15) the determinants of international trade flows, (16) to apply economic reasoning to better understand and critically evaluate real world circumstances and events. Qualifying students enrolling in Business Microeconomics Honors may elect to take this class from UC (See Introduction to Microeconomics below).

**H543BU \* INTRODUCTION TO MICROECONOMICS 1st semester 1 credit (3 university credit hours)**

**Open to juniors and seniors only**

**College-Credit Plus – University of Cincinnati, Lindner College of Business (ECON 1001)**

This first semester course assists students to learn and comprehend (1) economics as a social science that draws conclusions based on hypotheses, theories, and data in order to understand human behavior, (2) basic microeconomics terms and concepts, including scarcity and choice, equilibrium, efficiency and equity, positive and normative economics, comparative advantage, and specialization, (3) the fundamental economic question of allocating scarce resources, (4) opportunity cost and the production possibility frontier, (5) supply and demand, the function of prices in markets, how markets work and sometimes don't work, including market failure and externalities, (6) the effects of government intervention in markets, (7) how consumers make choices, (8) production theory, (9) the costs of production, (10) firm behavior in competitive markets, (11) firm behavior in imperfect markets, (12) elasticity and its application, (13) markets for resources, the determination of wage rates, interest, and rent, (14) the determination of income distribution, including poverty and discrimination, (15) the determinants of international trade flows, (16) to apply economic reasoning to better understand and critically evaluate real world circumstances and events.

\*Students must be enrolled as a CCP student with the University of Cincinnati

\*Students will receive a high school honors credit for successful completion of ECON 1001

As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

Fee: \$0.00

**H544 \* BUSINESS MACROECONOMICS HONORS                      2nd semester                      1/2 credit**  
**Recommended for college-bound seniors and juniors with an interest in business**

The second semester of this course assists students to learn and comprehend (1) economics as a social science that draws conclusions based on hypotheses, theories, and data in order to understand human behavior, (2) basic macroeconomic terminology and concepts, including the distinction between real and nominal magnitudes, (3) the national income accounts, (4) the nature of the business cycle, (5) the determinates of important macroeconomic variables, including the level of income, the level of employment, the unemployment rate, the natural rate of unemployment, the price level, the inflation rate, productivity and the rate of interest, (6) the supply and demand for money, (7) the Federal Reserve System, (8) aggregate demand and aggregate supply, (9) the effects of fiscal and monetary policies, (10) the basics of theories of macroeconomic instability, (11) unemployment and inflation tradeoffs, (12) the effects of the federal government's budget deficit, (13) long run growth and policies to affect growth, (14) comparative advantage, (15) the determinants of foreign trade flows and exchange rates, and their effects on the domestic economy, (16) to apply economic reasoning to better understand and critically evaluate real world circumstances and events. Qualifying students enrolling in Business Macroeconomics Honors may elect to take this class from UC (See Introduction to Macroeconomics below).

Fee: \$0.00

**H544BU \* INTRODUCTION TO MACROECONOMICS 1st semester 1 credit (3 university credit hours)**  
**Open to juniors and seniors only**  
**College-Credit Plus – University of Cincinnati, Lindner College of Business (ECON 1002)**

The second semester of this course assists students to learn and comprehend (1) economics as a social science that draws conclusions based on hypotheses, theories, and data in order to understand human behavior, (2) basic macroeconomic terminology and concepts, including the distinction between real and nominal magnitudes, (3) the national income accounts, (4) the nature of the business cycle, (5) the determinates of important macroeconomic variables, including the level of income, the level of employment, the unemployment rate, the natural rate of unemployment, the price level, the inflation rate, productivity and the rate of interest, (6) the supply and demand for money, (7) the Federal Reserve System, (8) aggregate demand and aggregate supply, (9) the effects of fiscal and monetary policies, (10) the basics of theories of macroeconomic instability, (11) unemployment and inflation tradeoffs, (12) the effects of the federal government's budget deficit, (13) long run growth and policies to affect growth, (14) comparative advantage, (15) the determinants of foreign trade flows and exchange rates, and their effects on the domestic economy, (16) to apply economic reasoning to better understand and critically evaluate real world circumstances and events.

\*Students must be enrolled as a CCP student with the University of Cincinnati

\*Students will receive a high school honors credit for successful completion of ECON 1002

As with all College Credit Plus classes, students who do not earn a passing grade or withdraw from the course beyond the college withdrawal deadline will be required to pay all course expenses (tuition, books, etc.).

Fee: \$0.00

## TECHNOLOGY COURSES

## H560 APPLIED TECHNOLOGY

### One semester

**1/2 credit**

Applied Technology provides a working knowledge of Microsoft Office Applications (Word, Excel, PowerPoint, and Access). Integrated projects will increase the students' productivity and efficiency, providing them the ability to problem solve and communicate more effectively in today's world.

**Fee:** TBD**H561 APPLIED TECHNOLOGY II**

### One semester

**1/2 credit**

**Prerequisite:** Successful completion of Applied Technology (Course Number 560) or mastery of equivalent skills, as demonstrated by a department assessment.

Applied Technology II is a second level applications course, with an emphasis on extending knowledge of Microsoft Office applications (Word, Excel, and Access). Integrated projects will increase the student's productivity and efficiency, providing them with problem solving and communication skills for today's world. Topics include but are not limited to creating Word Outlines, Word indexes, Excel Data Tools, and Access Reports.

**Fee:** TBD

## H566 DIGITAL DESIGN

### One semester

**1/2 credit**

**Prerequisite:** Successful completion of Applied Technology (Course Number H560) or mastery of equivalent skills, as demonstrated by a department assessment.

Digital Design students will generate, edit, and manipulate images using a variety of software and hardware. Students will apply the principles of design, typography, layout, color, and file management through project-based instruction. Students will develop real-world skills in web and print design, communication, teamwork, and time management utilizing the blended learning environment. The capstone project is a digital portfolio.

**Fee:** TBD

## H571 YEARBOOK A

## 1st semester

**1/2 credit**

## H572 YEARBOOK B

## 2nd semester

**1/2 credit**

**Prerequisite:** Students must complete an application form with teacher recommendation to be considered for the class.

\* Students are encouraged to take both Yearbook A and B, but they can take Yearbook B without having taken Yearbook A.

Students are expected to take both semesters. Yearbook focuses on the design, layout and publication of print materials using a variety of digital media. Students will use desktop publishing, photo editing, and graphic design software to apply principles of page layout and design, typography, advanced publishing techniques, photography, and photo editing. All areas of publication production will be integrated, including finances, marketing and sales campaigns, advertising, and distribution. Students will develop real-world skills in communication, teamwork, leadership, time management and organization as they produce the *Airlog* (Butler yearbook).

**Fee:** TBD

## SCIENCE COURSES

Students are required to earn three credits of science for graduation from Butler High School. Science courses in a wide variety of levels are offered. Placement in science courses will be determined by teacher recommendation, past science performance, math grades, and student interest.

<b>H611</b>	<b>PHYSICAL SCIENCE A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H612</b>	<b>PHYSICAL SCIENCE B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**REQUIRED class for all freshmen, unless taking Biology as a freshman.**

This is a science course focusing on the fundamentals of Chemistry and Physics. Emphasis will be placed on a broad-based understanding of the Physical Science content standards. Methods will focus on reading in the content area, vocabulary development, and appropriate laboratory-style applications to improve retention of concepts and scientific reasoning.

**Fee:** TBD; students provide a 3-ring binder

<b>H621</b>	<b>BIOLOGY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H622</b>	<b>BIOLOGY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**REQUIRED class for all students**

Biology is a course dealing with the study of living systems including biochemistry, cells, heredity, evolution and the diversity and interdependence of life. This course will emphasize both a broad-based and complex understanding of the biology content standards. Laboratory activities will focus on experimental and observational techniques used to study living systems. This course is designed to advance a student's understanding of scientific reasoning and the scientific process through rigorous exploration of the content.

**Fee:** TBD; students provide a 3-ring notebook and lined paper

<b>H641</b>	<b>CHEMISTRY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H642</b>	<b>CHEMISTRY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Must have earned 1 credit in science and passed Algebra 1 (a B average in math is recommended).

Chemistry is the branch of science dealing with composition of matter. The course is designed to provide a solid base in the study of the atom, elements, compounds, chemical reactions, and quantitative analysis of chemical reactions, with emphasis on chemical theory, models, and laboratory problem application.

**Fee:** TBD; students provide a 3-ring notebook, lined and unlined paper

**Materials:** non-programmable scientific calculator.



**H648 CHEMISTRY IN THE COMMUNITY A****ONE SEMESTER 1/2 credit****Prerequisite:** Completion of Physical Science and Biology

CHEMCOM is a one semester college preparatory course for the student who is not necessarily science career oriented but who desires a chemistry background. ChemCom will serve as an introduction to chemical concepts and laboratory procedures while showing the real world applications of the science of chemistry. Note that ChemCom and Chemistry are not two levels of the same course. They cover the general topic of chemistry in different ways and following different timelines, thus level changes between these classes are not permitted.

**Fee:** TBD; students provide a 3-ring notebook, lined and unlined paper**Materials:** non-programmable scientific calculator.**H651 HONORS PHYSICS A****1st semester 1/2 credit****H652 HONORS PHYSICS B****2nd semester 1/2 credit**

(Meets NCAA Core Course requirement for Eligibility)

**Prerequisite:** Students must have earned 1 credit in science and completed Algebra 2.

As one of the physical sciences, Physics deals with matter and energy concentrating on motion, forces, energy, waves, electricity, and magnetism. The course is recommended to all science, health care, and engineering majors. This class will count toward the science requirements for the Academic Honors Diploma.

**Fee:** TBD**Materials:** programmable scientific calculator.**H660 ASTRONOMY****One semester****1/2 credit**

(Meets NCAA Core Course requirement for Eligibility)

**Prerequisite:** Students must have earned 2 credits in science.

This course will serve as an introduction to astronomy, the study of the universe. Major areas of study are: 1.) the scope and the historical development of astronomy and astronomical investigation; 2.) the celestial sphere and celestial coordinates; 3.) constellations, significant stars, and asterisms; 4.) the Sun as a typical star; 5.) physical characteristics of the Moon and relationships with the Earth; 6.) the Solar System, components, physical characteristics, orbital mechanics, and their observational appearance; and 7.) galaxies, the unknown structure of the universe, and cosmology. The observational nature of astronomy will be emphasized throughout the course. The student will be required to do independent, nighttime observations.

**Fee:** TBD

<b>H662</b>	<b>EARTH SCIENCE</b>	<b>One semester</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

**Prerequisite:** Students must have earned 2 credits in science.

This course will focus on the composition and structure of the earth and the processes that shape its surface. Laboratory activities and field trips may be involved in this course.

**Fee:** TBD

<b>H664</b>	<b>ENVIRONMENTAL SCIENCE</b>	<b>One semester</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

**Prerequisite:** Students must have earned 2 credits in science.

Environmental Science examines the roles of living and non-living systems on the environment. Special emphasis is given to the role of humans in the areas of resource depletion, pollution, and extinction.

**Fee:** TBD

<b>H665</b>	<b>DRONE TECHNOLOGY AND DESIGN</b>	<b>One semester</b>	<b>1/2 credit</b>
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**Prerequisite:** Algebra 2, or at least taking concurrent with Algebra 2

The technological potential with drones is immense and its uses will only grow with time. It is more important than ever to be equipped with the knowledge and skills to solve tough problems, gather and evaluate evidence, and make sense of the information. These are the types of skills provided through the proposed Drone Theory and Design Course. The curriculum provides students important knowledge in the legal, ethical, and regulatory aspects of drones. Students will work in teams to design and solve activity challenges. It is the hope this knowledge will provide a stimulus for the students to further explore STEM topics and develop their own creations and designs.

**Fee:** TBD

<b>H671</b>	<b>HONORS HUMAN ANATOMY AND PHYSIOLOGY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H672</b>	<b>HONORS HUMAN ANATOMY AND PHYSIOLOGY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>
	<i>(Meets NCAA Core Course requirement for Eligibility)</i>		

**Prerequisite:** Students must have earned 2 credits in science and have a grade of C or better in Biology AND enrolled in or completed Chemistry.

The course will center on the following topics as they apply to the human body, cells, muscles, bones, nerves, brain, sense organs, blood, heart lymphatic and circulatory systems, genetics, and reproduction. Anatomy (structure) will be emphasized in relation to the systems of the body. A specific research paper or experimental project will be considered as a requirement for completion of the course. This class will count toward the science requirements for the Academic Honors Diploma.

**Fee:** TBD; students provide a 3-ring notebook.

H681	* ADVANCED PLACEMENT CHEMISTRY A	HONORS	1st semester	1/2 credit
H682	* ADVANCED PLACEMENT CHEMISTRY B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** A or B in Chemistry

AP Chemistry will cover six big ideas: atomic structure, properties of matter, chemical reactions, kinetics, thermodynamics, and equilibrium. All AP Chemistry students will be required to take the AP Chemistry practice exam with the option to take the AP Chemistry exam in May, which may enable them to receive college credit. Exam fee will be announced. **The course contains no summer work.**

**Fee:** TBD. There is also a fee for the AP exam.

**Materials:** programmable scientific calculator.

H691	* ADVANCED PLACEMENT BIOLOGY A	HONORS	1st semester	1/2 credit
H692	* ADVANCED PLACEMENT BIOLOGY B	HONORS	2nd semester	1/2 credit

*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisites:** Students must have earned a B or better in Biology, AND enrolled IN or completed Chemistry

Advanced Placement Biology will cover in-depth topics such as biological chemistry, cells, molecular genetics, heredity, evolution, homeostasis, and ecology. Students should be seriously interested in pursuing studies in a biological field. All Advanced Biology students will be encouraged to take the Advanced Placement exam, which may enable them to receive college credit. The exam fee will be announced.

**There is a summer assignment covering the first unit of study. During the first week of school there will be a test over this unit.**

**Fee:** TBD lab fee; students provide a 3-ring notebook and a quad-ruled notebook. There is also a fee for the AP exam.

## PROJECT LEAD THE WAY COURSES

Project Lead The Way provides transformative learning experiences for students and teachers. The programs engage students in hands-on activities, projects, and problems; empower them to solve real-world challenges; and inspire them to reimagine how they see themselves in order to develop in-demand knowledge and skills they need to thrive.

**HPLTW601 PRINCIPLES OF BIOMEDICAL SCIENCE** **Full year** **1 credit**  
*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Biology, or at least taking concurrent with Biology

In this course students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

**Fee:** TBD

**HPLTW611 COMPUTER SCIENCE ESSENTIALS** **Full year** **1 credit**  
*(Meets NCAA Core Course requirement for Eligibility)*

**Prerequisite:** Algebra I

Project Lead the Way's Computer Science Essentials is a class designed as an entry point for computer science learners. This class introduces students to coding fundamentals using block-based programming language with a goal of creating usable apps (primarily Android). There is an emphasis on computational thinking skills as students discover block programming and its applications. After building a foundation in block programming, the course then transitions into text-based programming. Utilizing both programming styles, students will learn the power of text-based programming through the *Python* programming language. The course strives to promote collaboration strategies while exploring industry standard tools that are authentic to the computer science industry.

**Fee:** TBD

**HPLTW621 CIVIL ENGINEERING and ARCHITECTURE** **Full year** **1 credit**  
*(Meets NCAA Core Course requirement for Eligibility)*

High school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Students will progress from completing structured activities to solving open ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

**Fee:** TBD

## INDUSTRIAL TECHNOLOGY COURSES

Problem solving, career orientation and learning for tomorrow's adaptive environment are the cornerstones of Industrial Technology Education. ITE focuses on developing creativity and problem-solving skills – concepts that will not become obsolete, skills that will be needed throughout life no matter what career or job your child selects. It does not prepare students for specific careers but provides an introduction and foundation to many.

<b>H711</b>	<b>WOODS 1 A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H712</b>	<b>WOODS 1 B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors, juniors, and sophomores**

This course is intended to teach students basic woodworking principles and machine operation. Within the course students will produce projects encompassing the areas of planning, layout, wood joints used in furniture construction and nomenclature associated with woodworking. Proper operation and safety procedures are taught and observed. Students and parents/guardians should note that individuals taking the course would be expected to operate power equipment. Even with the stress placed on safety, some risk is still involved. This class is open to all students beginning their sophomore year. A lab fee is required for each student plus paying for any materials used within the class.

**Fee:** TBD

<b>H717</b>	<b>ADVANCED WOODS A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H718</b>	<b>ADVANCED WOODS B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors and juniors**

**Prerequisite:** B or higher in Woods 1

Students will learn tool maintenance and further uses of power equipment. The students will produce a project from a picture. They will develop a sketch, working drawing, plan, bill of materials, and complete the project by an assigned date. The student will learn to construct more complicated wood joints, learn the construction used for casements. Students will learn about doors, drawers, and runner systems used in casement projects. The use of adhesives, clamping, finishing, fasteners, laminating and bending processes will be explored. For students who complete this course with a B or higher as a junior, it may be repeated during the senior year with the approval of the industrial arts teacher as an independent study course under the direction of the industrial arts teacher so the students can further develop their personal knowledge and skills with the finer aspects of the woodworking craft to design, create, and build their own independent complicated wood projects.

**Fee:** TBD

<b>H730</b>	<b>HOME MAINTENANCE</b>	<b>One semester</b>	<b>1/2 credit</b>
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This is a hands-on course. It focuses on maintaining a home and home repair. Areas covered include electrical circuits, basic plumbing repairs, wall construction, drywall, drywall finishing, painting, plus basic lawnmower and car maintenance.

**Fee:** TBD

<b>H740</b>	<b>COMPUTER AIDED DRAFTING A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H741</b>	<b>COMPUTER AIDED DRAFTING B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors, juniors, and sophomores**

This is an introductory course where students will be introduced to Computer Aided Drafting (CAD) software to use for drafting and design. Course content in the first semester will focus on multi-view drafting, sections, auxiliaries, engineering, and architectural design. The second semester will cover programming and coding for a CNC mill as well as 3D printing. The second semester will also include use of the CAD program to design and create woodworking projects.

**Fee:** TBD

# MIAMI VALLEY CAREER TECHNOLOGY CENTER

## SATELLITE PROGRAM STEM COURSES AT BUTLER

Through a collaborative arrangement between Vandalia-Butler City School District and Miami Valley Career Technology Center, the following STEM courses are offered at Butler. These courses are an excellent way for students to experience the excitement of STEM courses while exploring future career paths.

**HSPCTC101      INTRODUCTION TO ENGINEERING      Full year      1 credit**

**Open to seniors, juniors, sophomores, and freshmen**

The students will learn the application of the engineering design process. Topics include work-processes, optimization methods, design optimization, and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems.

**College Credit at State of Ohio public universities and colleges:** CTEGT002 – Engineering Graphics Credits: 3 semester hours (by achieving the required score on the WebXam).

**HSCTC104      MANUFACTURING OPERATIONS AND ROBOTICS      Full year      1 credit**

**Open to seniors, juniors, sophomores, and freshmen**

Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance, and safety. Students will also begin to explore the world of robotics and have the ability to earn an industry credential.

**College Credit at State of Ohio public universities and colleges:** CTMET004 – Manufacturing Processes (TAG course OET010) Credits: 3 semester hours (by achieving the required score on the WebXam).

**Students completing this course have the opportunity** to earn a 6-point credential industrial certification if they pass the certification test.

**HSCTC105      ADVANCED ROBOTICS      Full year      1 credit**

**Open to seniors, juniors, sophomores**

**Prerequisite:**      Manufacturing Operations and Robotics

For students who have previously taken HSPCTC102 Robotics, they can take the second semester only of Advanced Robotics by registering for the HSCTC107 Advanced Robotics Certification course to earn a 6-point credential industrial certification if they pass the certification test.

Students will learn knowledge and skills necessary to program and operate robots, using the teach pendant as the main interface point. Students will learn robotic operations and system configurations. Students will code, compile and debug programs using the robotic programming language.

**College Credit:** None at this time. MVCTC is exploring the possibility of students earning college credit through Sinclair Community College.

**Students completing this course can** earn a 6-point credential industrial certification if they pass the certification test.

**HSCTC106      ENGINEERING CAPSTONE****Full year****1 credit****Open to seniors only****Prerequisite:**      Completion of at least two courses inside of the Butler HS-MVCTC STEM Pathway.

This capstone course provides opportunities for students to apply knowledge, attitudes, and skills that were learned in an Engineering program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

**HSCTC107      ADVANCED ROBOTICS CERTIFICATION****2nd Semester****1/2 credit****Open to seniors and juniors****Prerequisite:**      Robotics

**This course will be offered in 2023-2024 and possibly the following school year.** This course is intended for students who have already taken HSPCTC102 Robotics previously. Through this course, they are taking the second semester only of the Advanced Robotics course where they have the opportunity to earn a 6-point credential industrial certification if they pass the certification test.

Students will learn knowledge and skills necessary to program and operate robots, using the teach pendant as the main interface point. Students will learn robotic operations and system configurations. Students will code, compile and debug programs using the robotic programming language.

**College Credit:** None at this time. MVCTC is exploring the possibility of students earning college credit through Sinclair Community College.

**Students completing this course can** earn a 6-point credential industrial certification if they pass the certification test.



## **FAMILY AND CONSUMER SCIENCE COURSES**

The Family and Consumer Science area of study will aid in developing life skills. Our goal is to prepare students for success in their careers, financial management, relationships and promote healthy lifestyles.

<b>H750</b>	<b>CAREER AND FINANCIAL MANAGEMENT</b>	<b>One semester</b>	<b>5/8 credit</b>
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**Open to seniors, juniors, sophomores, and freshmen**

This course will give students the skills and knowledge to help them to be successful in preparing for their careers and basic money management in meeting the demands of the 21<sup>st</sup> Century. Units of study include career exploration, applying for jobs, employment skills, financial literacy, budgeting, investing and credit.

This course satisfies the State of Ohio financial literacy graduation requirement.

<b>H757</b>	<b>PRINCIPLES OF FOOD</b>	<b>1st semester</b>	<b>5/8 credit</b>
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**Open to seniors, juniors, and sophomores**

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

**Fee:** TBD

<b>H759</b>	<b>GLOBAL FOODS</b>	<b>2nd semester</b>	<b>5/8 credit</b>
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**Open to seniors, juniors, and sophomores**

In this course, students will compare cuisines, ingredients, and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply cooking techniques, in the preparation of food dishes.

**Fee:** TBD

<b>H760</b>	<b>SEWING</b>	<b>1st semester</b>	<b>5/8 credit</b>
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**Open to seniors, juniors, and sophomores**

This course offers students an introductory course designed for the beginning sewer. The course includes an overview textiles/fabric, pattern usage, and the basic skills necessary for garment construction. The student will be responsible for supplies for sewing projects beyond the fee for the course.

**Fee:** TBD

**H762 INTERIOR DESIGN****2nd semester****5/8 credit****Open to seniors, juniors, and sophomores**

In this course, students will study interior decorating. An emphasis will be placed on principles of design, selection and organization of furnishing, floor plans and decorating materials.

**Fee:** TBD**H771 CHILD DEVELOPMENT****One semester****5/8 credit****Open to seniors, juniors, and sophomores**

In this course, students will study the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood disease, immunizations, theories of development, learning styles and evaluating childcare services.

**Fee:** TBD

## VISUAL ARTS COURSES

Butler High School recognizes the specific art interest of all students. Every effort has been made to provide an art program offering diversified elective experiences helpful in the development of creative potential found in each and every individual. The variety of subjects offered here enhances the possibility of unique self-expression and the acquisition of knowledge according to personal media preferences.

One credit of visual or performing arts is required to meet graduation requirements for Butler; one full credit is required to meet the minimum core art requirement at state-assisted universities. Programs in music and drama also help to meet these requirements.

As a senior, art majors who wish to be considered for the Outstanding Senior in Art Award must complete their three credits in art in the Butler School system and they must include the courses of H813 Drawing 1 and H816 Design. Only the students who have completed these two courses as part of their art studies will be considered.

To be sure each student has the proper preparation for courses of more difficulty and to be sure each graduate receives basic art knowledge, the following plan is suggested:

### SUGGESTED COURSE SEQUENCE

<b>9th Grade</b>	H811 Introduction to Art A	1st semester
	H812 Introduction to Art B	2nd semester
<b>10th Grade</b>	H813 Drawing 1	1st semester
	H816 Design	2nd semester
<b>11th Grade</b>	H814 Drawing 2	<b>(PLEASE, review specific prerequisites in selecting advanced art choices.)</b>
<b>&amp;</b>	H820 Painting 1	
<b>12th Grade</b>	H821 Painting 2	
	H826 CB Graphic Dsgn & Dig Photo	
<b>12th Grade</b>	H829/830 Senior Studio Art Seminar	

<b>H811</b>	<b>INTRODUCTION TO ART A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H812</b>	<b>INTRODUCTION TO ART B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors, juniors, sophomores, and freshmen**

**Prerequisite:** Introduction to Art A is a prerequisite for Introduction to Art B

Interest and willingness to be open to new experiences most important. Introduction to Art is a GENERAL COURSE designed to give a background in the elements and principles of art through a variety of art experiences including drawing, painting, ceramics, sculpture, crafts, printing, architecture, art criticism, and graphic design.

**Fee:** TBD per semester

<b>H813</b>	<b>DRAWING 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
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**Prerequisite:** Introduction to Art A/B and instructor's permission

Mediums include pastel, colored pencil, ink, charcoal, and pencil. Emphasis is on the elements, skills, and work ethic necessary to accurately produce well executed two dimensional illustrations. Portraits and two-point perspective are explored.

**Fee:** TBD

<b>H814</b>	<b>DRAWING 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>
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**Prerequisite:** Drawing 1 and instructor's permission

This course expands upon the skills and concepts learned in drawing 1. Mediums include scratchboard, chalk pastel, oil pastel, ink, pencil, and colored pencil. Self-portraits, cartooning, and pointalism are introduced. Recommended for college-bound art majors.

**Fee:** TBD

<b>H816</b>	<b>DESIGN</b>	<b>2nd semester</b>	<b>1/2 credit</b>
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**Prerequisite:** Drawing 1

This course investigates and applies the elements and principles of design to an array of two and three-dimensional projects. Experience in fine art, commercial art and advertising art are explored. An emphasis on craftsmanship and presentation of product is a critical focus of this course.

**Fee:** TBD

<b>H820</b>	<b>PAINTING 1</b>	<b>1st semester</b>	<b>1/2 credit</b>
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**Open to seniors and juniors**

**Prerequisite:** Drawing 1 and instructor's permission

This course investigates an in-depth study of painting in acrylics. Emphasis will be on painting from photos and still life. Students will also study painting styles through history. Recommended for college-bound art majors.

**Fee:** TBD

<b>H821</b>	<b>PAINTING 2</b>	<b>2nd semester</b>	<b>1/2 credit</b>
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**Open to seniors and juniors**

**Prerequisite:** Painting 1 and instructor's permission

This course continues to investigate an in-depth study of painting in acrylics and builds upon the skills and knowledge acquired in Painting 1. Students will explore additional artists, styles and movements that are both historically significant and relevant to class assignments.

**Fee:** TBD

<b>H826</b>	<b>COMPUTER BASED GRAPHIC DESIGN &amp; DIGITAL PHOTOGRAPHY</b>	<b>2nd semester</b>	<b>1/2 credit</b>
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**Prerequisite:** Introduction to A/B, Drawing 1 OR instructor's permission  
Preferred Courses taken prior: Design and Intro to Computers

This course will emphasize the study of graphic design using a computer as a tool. Students will explore ADOBE PHOTOSHOP AND ILLUSTRATOR as well as other programs. In addition to computers, the students will be exposed to the creative use of flatbed scanners, color printers and digital cameras.

**Fee:** TBD (additionally – student purchased Digital Camera)

<b>H829</b>	<b>SENIOR STUDIO ART SEMINAR A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H830</b>	<b>SENIOR STUDIO ART SEMINAR B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors only**

**Prerequisite:** Introduction to Art A, Introduction to Art B, Drawing 1, and Painting 1  
Students must have maintained a B average in all pre-requisite courses.  
Students may take Painting 1 in conjunction with Senior Studio Art Seminar with instructor permission.

This course will allow senior students to further explore previously taught art media (Drawing, Painting, Design) as well as introduce them to a variety of new visual art media, including but not limited to, Ceramics, Jewelry, Silk Screening/Printmaking, Watercolor and Oil Painting, and Choice-Based independent study projects. All artwork will be original and will further enhance the student's high school art portfolio.

**Fee:** TBD

## MUSIC COURSES

The Music Department, both instrumental and vocal, is a vital part of the Butler curriculum. One credit in either visual or performing arts is required for graduation, and Ohio colleges require a full credit to meet their minimum core for admission. Choices in music, art or drama may fulfill this requirement. In making choices in the music areas, please review the out of school time requirements in making your decisions.

<b>H851</b>	<b>CONCERT BAND A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H852</b>	<b>CONCERT BAND B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** Audition with and/or recommendation of high school director

Concert Band is open to students in grades 9 through 12 who play a brass, woodwind, or percussion instrument. In this performance-based ensemble, students will be immersed into a comprehensive musical experience focusing on the wind literature of varying musical styles. The ensemble focuses on the development of individual technique while developing a characteristic band sound. This group performs at many outside-of-school events, including school concerts, OMEA events, and various community events.

Enrollment in Concert Band, Symphonic Band or Honors Symphonic Band is a prerequisite to being able to participate in extra-curricular band activities such as Marching Band, Pep Band, Jazz Ensemble, and various chamber groups.

<b>H853</b>	<b>JAZZ BAND A</b>	<b>1<sup>st</sup> semester</b>	<b>1/2 credit</b>
<b>H854</b>	<b>JAZZ BAND B</b>	<b>2<sup>nd</sup> semester</b>	<b>1/2 credit</b>

**Prerequisite:** 2 years Prior participation in Concert Band and director approval

This ensemble will meet daily to explore through music theory study and performing the art of jazz and rock improvisation. This group will study, write and perform the music from the jazz era as well as explore funk, rock, and fusion music. All brass and woodwind instruments are required to read music. All guitar, bass and drum set musicians are welcome and do not necessarily have to read music, but will be taught to read music in this class. All guitar and bass players must have a general knowledge of how to read tablature.

**Fee:** TBD

<b>H857</b>	<b>* HONORS SYMPHONIC BAND A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H858</b>	<b>* HONORS SYMPHONIC BAND B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors only**

**Prerequisite:** Prior participation in Concert or Symphonic Band for 3 years, and audition with band director

Symphonic Band is the advanced instrumental ensemble in the Butler, comprised of the finest musicians in the band program. This performance-based ensemble will study wind literature of the highest quality and in varying musical styles. Students will continue to refine tone production, technique, rhythm, and

theory. This group performs at many outside-of-school events, including school concerts, OMEA events, and various community events.

Additionally, students in the Honors level must:

- Attend two college or professional concerts each semester. They can substitute two hours of performances at the OMEA district or state level adjudicated events for up to two of these concerts. An analysis paper of 1-2 pages will be required within one week following each performance.
- Complete one research paper each semester assigned by the teacher.
- And complete any three of the following five options:
  - a) Participate in the OMEA solo and ensemble adjudicated event with a solo or small ensemble that is mainly self-run, with the teacher acting as an advisor only.
  - b) Be accepted into and participate in an honors ensemble, such as the local OMEA Honor Band or the OMEA All-State Band.
  - c) Take weekly private lessons on their band instrument or piano.
  - d) Participate in an extra-curricular ensemble, such as Marching Band, Spring Musical, or a teacher-approved outside group such as a local civic band.
  - e) Be a peer tutor for a band student either at Butler High School or Morton Middle School. This will be worked out by the teacher and under teacher supervision. Students choosing this option will be required to complete eight 30-minute sessions during the year.

Enrollment in Concert Band, Symphonic Band or Honors Symphonic Band is a prerequisite to being able to participate in extra-curricular band activities such as Marching Band, Pep Band, Jazz Ensemble, and various chamber groups.

**Fee:** TBD

## **MARCHING BAND**

**Prerequisite:** Enrollment in Concert A, Symphonic Band A, or Honors Symphonic Band A and director's permission are required to be a member of the Marching Band. Students who enroll in Concert A, Symphonic Band A, or Honors Symphonic Band A and are not enrolled in Concert B, Symphonic Band B, or Honors Symphonic Band B will not be allowed to participate in Marching Band the following year. (Extenuating circumstances will be considered.) *This is not a class for credit.*

The Vandalia Butler High School Marching Band is a co-curricular activity at Butler High School and is open to students in grades 9 through 12 who play a brass, percussion, or woodwind instrument. This select, performance-based ensemble rehearses after school Tuesdays, Wednesdays, and Thursdays, with some Saturday rehearsals and performances as well. Additional rehearsals may be scheduled as needed. The band performs at marching band competitions, all varsity football games, community and school functions and special performances. Participants must also commit to all summer events, including the Dayton Air Show parade in July and band camp in August. *Attendance at band camp, all scheduled rehearsals and performances are mandatory.* Simultaneous participation in Marching Band and a fall sport is possible with proper communication between parents/guardians, the director, and the coach. This ensemble is an excellent way for students to experience the very best in musicianship, teamwork, and pride.

**Fee:** There is a pay-to-participate fee plus fees charged by Butler Performing Arts Association.

<b>H871</b>	<b>CONCERT CHOIR A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H872</b>	<b>CONCERT CHOIR B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** Recommendation of the middle school choir director or by audition

This choir is a mixed choral group of freshman voices that performs music of all different time periods and styles. Emphasis is placed on musicianship, sight-reading and vocal development. This choir would perform at all choral concerts at the school such as the Fall Concert, Holiday Concert and Spring Concert.

**Fee:** Students will be assessed a robe rental fee payable to the Butler Performing Arts Association of \$30.

<b>H873</b>	<b>SYMPHONIC CHOIR A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H874</b>	<b>SYMPHONIC CHOIR B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** By audition only

Symphonic Choir is a mixed choral group of select voices that performs repertoire from different musical periods in various styles. Emphasis is placed on musicianship, sight-reading, and singing advanced music. This choir performs at the Fall Concert, Holiday Concert, Spring Concert, district and state contests, as well as other school and community events.

**Fee:** Students will be assessed a robe rental fee payable to the Butler Performing Arts Association of \$30.

<b>H875</b>	<b>WOMEN'S CHOIR A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H876</b>	<b>WOMEN'S CHOIR B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** Teacher recommendation or by audition

Women's Choir is designed for women's voices. Music is selected based on the overall ability of the group and can range from easy to difficult. Emphasis is on musicianship, sight-reading, and vocal development. This group performs at all choral concerts, such as the Fall Concert, Holiday Concert, and Spring Concert, as well as district and state contests. Students will be assessed a dress rental fee payable to the Butler Performing Arts Association.

**Fee:** Students will be assessed a robe rental fee payable to the Butler Performing Arts Association of \$30.

<b>H877</b>	<b>* HONORS SYMPHONIC CHOIR A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H878</b>	<b>* HONORS SYMPHONIC CHOIR B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Open to seniors only**

**Prerequisite:** Prior participation in Concert, Women's, or Symphonic Choir for 3 years, and audition with choir director

Symphonic Choir is a mixed choral group of select voices that performs repertoire from different musical periods in various styles. Emphasis is placed on musicianship, sight-reading, and singing advanced music. This choir performs at the Fall Concert, Holiday Concert, Spring Concert, district and state contests, as well as other school and community events.

Additionally, students in the Honors level must:

- Attend two college or professional concerts each semester. They can substitute two hours of performances at the OMEA district or state level adjudicated events for up to two of these



concerts. An analysis paper of 1-2 pages will be required within one week following each performance.

- Complete one research paper each semester assigned by the teacher.
- And complete any three of the following five options:
  - a) Participate in the OMEA solo and ensemble adjudicated event with a solo or small ensemble that is mainly self-run, with the teacher acting as an advisor only. (This will not include Chamber Choir as that is facilitated solely by the teacher.)
  - b) Be accepted into and participate in an honors ensemble, such as the Mad River Vocal Arts Festival at Wright State University, the local OMEA Honor Choir, or the OMEA All-State Choir.
  - c) Take weekly private lessons on their voice or piano.
  - d) Participate in an extra-curricular ensemble, such as Butler Chamber Choir, Spring Musical, or a teacher-approved outside group such as the Kettering Children's Choir (high school groups).
  - e) Be a peer tutor for a choir student either at Butler High School or Morton Middle School. This will be worked out by the teacher and under teacher supervision. Students choosing this option will be required to complete eight 30-minute sessions during the year.

**Fee:** Students will be assessed a robe rental fee payable to the Butler Performing Arts Association of \$30.

### **CHAMBER CHOIR**

**Prerequisite:** By Audition only. Open to Symphonic Choir and Honors Symphonic Choir members.

This group consists of 20 - 24 select voices to sing various styles of choral literature. Entrance is by audition only. This group performs many times through the year for community and school functions. This group meets on Mondays after school. ***This is not a class for credit.***

**Fee:** Students will be assessed a uniform rental fee of approximately \$25 payable to the Butler Performing Arts Association.

<b>H883</b>	<b>* ADVANCED PLACEMENT MUSIC THEORY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H884</b>	<b>* ADVANCED PLACEMENT MUSIC THEORY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** Instructor recommendation

This is a course for the advanced study of music theory. It will be an intensive study of notation, harmonic analysis, sight-singing, rhythmic, melodic, and harmonic dictation as well as composition and orchestration. At the end of the course, students will be prepared to take the AP Music Theory Exam given in May by the College Board. Depending on the student's score on the exam, advanced placement at the college level, or college credit may be earned.

**Fee:** There is a fee for the AP exam.

<b>H886</b>	<b>MUSIC LISTENING A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H887</b>	<b>MUSIC LISTENING B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** Open to all grade levels. No previous knowledge of music required. To clarify, Music Listening A is required prior to Music Listening B.

This course is a very broad look at musical styles, genres, and composers throughout history. Students will learn the very basics of how music is written and how it is read. They will also be exposed to music and composers beginning in the Middle Ages through modern times. Students get the chance to also look closely at the history and roots of modern pop and rock music, as well as the music of Broadway and American movies. This counts as a Fine Arts elective.

<b>H888</b>	<b>CLASS PIANO A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H889</b>	<b>CLASS PIANO B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** None

This course is designed for students who wish to develop basic piano playing skills or expand upon their existing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing and to learn assigned pieces of literature appropriate for their skill level. Time will also be spent learning basic music notation and theory.

**Fee:** TBD, includes the purchase of a piano book

<b>H890</b>	<b>MUSIC TECHNOLOGY A</b>	<b>1st semester</b>	<b>1/2 credit</b>
<b>H891</b>	<b>MUSIC TECHNOLOGY B</b>	<b>2nd semester</b>	<b>1/2 credit</b>

**Prerequisite:** None, although musicians, performers, and songwriters will benefit greatly from this course. Previous experience with computers is also helpful.

This course will provide students with an introduction and study of basic music technology applications and composition skills. Students will be introduced to the creative use of music technology and fundamentals of music using notation software, keyboards, computers, and along with digital audio workstations (DAW). We will be focusing on programs such as Audacity (an open-source audio editor and Finale (a professional level notation software). Discussion of composition techniques, film scoring, and music literacy will also take place throughout the course of the year. Other opportunities to discuss sound, ensembles, staging, recording, and hardware will also be presented throughout the class. This is a lab-based class with many projects where students will develop skills with a hands-on framework creating their own compositions.

**Fee:** TBD

## PHYSICAL EDUCATION & HEALTH COURSES

Physical Education and Health, while required to meet Butler graduation requirements, are also developed to expose the students to lifetime health and exercise elements to promote fitness, wellness, and health influences.

### H900 ALTERNATIVE PHYSICAL EDUCATION

**1/2 credit**

1. Students may meet the requirements of two (2) semesters of PE by participating in and completing two (2) seasons of sports, cheerleading, or marching band. An injury, illness, suspension, or athletic suspension could cause a season to not count towards the PE requirement. The two (2) seasons do not have to be in the same school year. There are no provisions for being exempt from one semester of PE. One season of sport/cheerleading/band and one season of Phys. Ed. does not fulfill your requirement. Students who are thinking of going to MVCTC or UVCC must meet the requirements for PE by the end of their sophomore year. Students participating in APE (Alternative Physical Education) must have a full schedule. If a student has not met the requirements by the beginning of his or her senior year, that student will be placed in the PE classes needed for graduation. **After completing the two (2) full seasons, the student must complete the APE form** found on the Butler High School Guidance Department webpage. **Students must take another course of at least ½ credit in its place.**

### H901 PHYSICAL EDUCATION A H902 PHYSICAL EDUCATION B

**1st semester  
2nd semester**

**1/4 credit  
1/4 credit**

**Prior to attending MVCTC all students must have completed two semesters of physical education. It is recommended that both semesters are taken during the freshman year.**

This requirement must be completed before students will be permitted into the elective physical education program. *Physical Education is now governed by newly adopted state standards and students will be assessed by the 6 standards set by the state of Ohio.* Activities include but not limited to: Aerobics, lifetime sports, weightlifting, team sports, racquet sports, and yoga.

**Materials:** Gym shorts or sweats, T-shirt or sweatshirt, socks & gym shoes

**Fee:** TBD

### H910 HEALTH

**One semester**

**1/2 credit**

**Prior to attending MVCTC all students must have completed one semester of health education. It is recommended that one semester is taken during the sophomore year.**

This course is designed to provide students with the opportunity to obtain and understand factual information that will contribute to their physical mental and social wellness. Students will practice setting goals and making decisions related to their personal health. Study will include relationships, STI's, and pregnancy; nutrition, physical activity, and weight management; alcohol, tobacco, and other drugs; first aid and CPR; and disease prevention. Central themes for this course are the acceptance of personal responsibility for lifelong health, and informed use of health-related information. Above all this course provides the basis to help students adopt and maintain healthy attitudes and behaviors for lifelong health.

All students are required to earn ½ credit of Health to graduate regardless of whether they took H901-H902 Physical Education or obtained an H900 Alternative Physical Education waiver.

**Fee:** TBD

## **PRE-APPRENTICESHIP PROGRAM**

Butler High School's Pre-Apprenticeship Program combines work-based, on-the-job learning with relevant education in the classroom. Students who participate in the program graduate with a high school diploma and start on a career path that continues after high school graduation – whether that is a continuation of their apprenticeship along with college, college only, apprenticeship only or other full-time employment. Students are eligible to participate their senior year. Interested students need to apply through their school counselor.

**H967 PRE-APPRENTICESHIP A**

**1st semester**

**credit(s) vary**

**H968 PRE-APPRENTICESHIP B**

**2nd semester**

**credit(s) vary**

**Open to seniors only**

## ENGLISH AS A SECOND LANGUAGE PROGRAM

H191 ESL ENGLISH A  
H192 ESL ENGLISH B

1st semester  
2nd semester

1/2 credit  
1/2 credit

English is offered as an alternative course when there are Limited English Proficient students from homes where a language other than English is used. This course provides opportunities for the student to develop skills in listening, speaking, reading, writing, vocabulary, and thinking in English as a transition to another English class when the student is more proficient. The course content may vary depending on the language abilities and needs of the students.

H974A ESL STUDY SKILLS  
H974B ESL STUDY SKILLS

1st semester  
2nd semester

0 credit  
0 credit

ESL professionals realize that the best way to assess English language learners (ELLs) is to build assessment into instructional activities. It is preferred to scaffold assessment to provide support for ESL students. However, ELLs must learn to survive in the real world of the content area class. It is useful, therefore, to teach second language learners study skills.

## INDIVIDUALIZED EDUCATION ELECTIVE COURSES

These semester courses are available for students who have individualized educational needs. While all courses are listed here, some may not be offered every school year.

H1000 INTRO TO BANKING AND BUDGETING

One semester 1/2 credit

This course is designed to help students take the steps to becoming financially independent and responsible. The focus of the course will utilize hands-on experiences to understand online banking, writing checks, using Google sheets to help create and maintain budgets, how to set up a checking account, and how to make sure students spend within the means of a paycheck. **(Does not count towards financial literacy requirement.)**

H1001 ADVANCED PHYSICAL EDUCATION AND RECREATION

One semester 1/2 credit

**This course will be offered in the 2023-2024 school year.**

This course is designed to provide students with an opportunity during the school day to have a physical release, controlled social interactions, and have a break from their day of core classes to promote stronger emotional health. Physical activity is paramount to a child's well-being. A variety of physical activities will be planned, possibly in conjunction with strength/conditioning or physical education classes going on at the time of this course. In addition, the integration of the MD classroom will be sought to work towards social integration between all students in the building promoting camaraderie and fellowship among students of all ability levels. **(Does not count towards physical education requirement.)**

**H1002      PERSONAL HEALTH AND WELLNESS      One semester      1/2 credit**

**This course will be offered in the 2023-2024 school year.**

This course is designed to provide special education students with the opportunity to obtain and understand factual information that will contribute to their physical, mental, and social wellness. Students will learn to develop personal responsibility for lifelong health. This course provides the basis to help special education students adopt and maintain healthy attitudes and behaviors for lifelong health as they transition to adulthood. **(Does not count towards health requirement.)**

**H1003      INTRO TO INDEPENDENT LIVING      One semester      1/2 credit**

This course is designed to prepare students for the responsibilities of living independently after high school. This can be taken in conjunction with Banking and Budgeting to help reinforce how the understanding of finances leads to successful post-secondary life. Items to be covered include but would not be limited to: buying a vehicle, obtaining insurance, bills, grocery shopping (hopefully with field experience), renting vs. buying an apartment or home, paying bills online, and many more real-world concepts. **(Does not count towards financial literacy requirement.)**

**H1004      INTRO TO COLLEGE AND CAREER READINESS      One semester      1/2 credit**

This course will provide students with the tools and information needed to be successful in the College or the Career of their choice. This course will aim to help students complete activities through Naviance (surveys, using Common-App, letters of recommendation etc.) as well as completing any additional surveys to help them transition after graduating high school. Students will also be provided the opportunity to complete other transitional surveys, research and apply for programs through MVCTC, research job opportunities in the career field of their choice, as well as research college, tuition, scholarships, and academic support services at the college level.

**H1005      INTEGRATED CURRENT EVENTS      One semester      1/2 credit**

This course is structured to critically examine current events at the local, state, national and international levels. Economics, government, history, geography, psychology, and sociology are examined in the news of the day, week, or month at a level in which students can see the impact in their lives. **(Does not count towards a Social Studies requirement.)**

# INDIVIDUALIZED EDUCATION PROGRAMS

**PREREQUISITE:** Student must have a current Individualized Education Plan (IEP) to include long-term goals and objectives cooperatively developed by the teacher and parent/guardian. These special program classes provide an instructional program for students who may experience difficulty meeting the academic and social expectations of the classroom. Through a variety of developmental and functional educational experiences, the students will be encouraged and assisted in obtaining independent skills toward their potential in the areas of academics, vocational and social awareness.

All course selections should be made with the cooperation of the student's instructors, parents/guardians and counselors in the annual IEP review conference. Student course selections should be made based on past performances, plans for the future, and needs for meeting graduation requirements. The student's schedule may also include several planned selected courses from the program of studies as available to fit the student's graduation requirement.

The Work Study component is a third and fourth-year program option for students who may enter the work force upon graduation from high school. Accepted students will attend classes and receive work credit for a volunteer or wage-earning job at an approved worksite in the community. The goal of Work Study is to increase employability skills through the cooperative efforts of the student, employers, and parents/guardians to carry on into adulthood.

## Course Designation

- \_1 Regular Education Classroom with an Intervention Specialist present daily
- \_5 Intervention Classroom – Only students on IEPs with an Intervention Specialist
- \_0 Significantly Modified Classroom – Only students on IEPs with an Intervention Specialist

## ENGLISH

H117001-H118001	Inclusion CCR English 9	TBD
H129001-H130001	Inclusion Eng 10 Am Lit	TBD
H139001-H140001	Inclusion Eng 11 Voices Isles	TBD
H111005A-H112005A	English 9	TBD
H121005A-H122005A	English 10	TBD
H131005A-H132005A	English 11	TBD
H141005A-H142005A	English 12	TBD

## MATH

H421001-H422001	Inclusion Algebra 1
H431001-H432001	Inclusion Geometry
H451001-H452001	Inclusion Algebra 2
H407005-H408005	Math 12
H421005-H422005	Algebra 1

H431005-H432005	Geometry
H451005-H452005	Algebra 2

## SUPPLEMENTARY PROGRAMS

H965A-H965B	Work Study
H972A-H972B	SED Study Skills
HACL_A-HACL_B	IEP Academic Link
HTUTORA-HTUTORB	

## CONSUMER SCIENCE

H791000-H792000	Everyday Living Skills*	TBD
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## FEE

## SOCIAL STUDIES

H221001-H222001	Inclusion World Studies	TBD
H241001-H242001	Inclusion U.S. Studies	TBD
H221005-H222005	World Studies	TBD
H241005-H242005	U.S. Studies	TBD
H251005-H252005	Government	TBD
H211005	Applied Current Events	TBD

## SCIENCE

H611001-H612001	Inclusion Physical Science	TBD
H621001-H622001	Inclusion Biology	TBD
H611005-H612005	Physical Science	TBD
H621005-H622005	Biology	TBD
H645005-H646005	Applied Science	TBD

## LIFE SKILLS/SIGNIFICANTLY MODIFIED PROGRAMS

H950A09A-H950B09A	English 9	TBD
H950A10A-H950B10A	English 10	TBD
H950A11A-H950B11A	English 11	TBD
H950A12A-H950B12A	English 12	TBD
H952A000-H952B000	World Studies	TBD
H953A000-H953B000	U.S. Studies	TBD
H954A000-H954B000	Government	TBD
H955A09A-H955B09A	Math 9	
H955A10A-H955B10A	Math 10	
H956A11A-H956B11A	Math 11	

H956A12A-H956B12A	Math 12	
H957A000-H957B000	Physical Science	TBD
H959A000-H959B000	Life Science	TBD
H958A000-H958B000	Voc/Comm/Tech Skills**	

**\*\* Next time offered will be 2024-2025**

**\*Offered 2023-2024**

## **LIFE SKILLS/SIGNIFICANTLY MODIFIED PROGRAMS**

	Grade 9	Grade 10	Grade 11	Grade 12
Course Selection by Grade:	English Math World Studies Physical Science Everyday Living Skills or Voc/Comm/Tech Physical Education	English Math U.S. Studies Life Science Everyday Living Skills or Voc/Comm/Tech Health One elective credit (included on IEP)	English Math Government Applied Science Everyday Living Skills or Voc/Comm/Tech Elective credits (included on IEP) or Work Study	English Math Government Applied Science Everyday Living Skills or Voc/Comm/Tech Elective credits (included on IEP) or Work Study

## **FOUR-YEAR PLANNING CHART**

Students and parents/guardians may use this suggested four-year planning guide for taking the required courses during the student's years at Butler High School. As well as required courses, students and parents/guardians may use this instrument to plan the best time to take elective course work.

Social Studies and Science courses are offered on a rotating schedule each school year; check with the instructor for the offering for the coming year.

Planned electives may be chosen from the *Program of Studies* under the direction of the IEP staff.

Credits for Work Study will be determined by the number of hours worked and attendance at weekly work conferences with the Work Study Coordinator as indicated in the work study guidelines. This course is based on workplace experience, based on a weekly average of hours provided in the work study guidelines to earn credits.



# BUTLER HIGH SCHOOL FOUR-YEAR PLAN

This chart may be used to plan your classes for the next four years. Pencil in each of the classes you plan to take. Choices may change later depending on your interests and career plans. Check with your counselor to make sure your schedule of courses meets Butler graduation requirements.

WHAT?	WHEN?									IMPORTANT NOTES & REMINDERS
	Butler HS Required Minimum Credits	9		10		11		12		
		1 <sup>st</sup> SEM.	2 <sup>nd</sup> SEM.	1 <sup>st</sup> SEM.	2 <sup>nd</sup> SEM.	1 <sup>st</sup> SEM.	2 <sup>nd</sup> SEM.	1 <sup>st</sup> SEM.	2 <sup>nd</sup> SEM.	
ENGLISH	4 Credits									
MATHEMATICS	4 Credits									
SCIENCES	3 Credits									
SOCIAL STUDIES	3 Credits									
*FINANCIAL LITERACY (Career & Fin Mgmt or Intro to \$ and Bus or Personal Finance or Fin Lit & Career Explor) <i>Local requirement</i>	½ Credit									
*Communication/Speech or Computer/Technology <i>Local requirement</i>	½ Credit									
FINE ARTS	1 Credit									
PHYSICAL EDUCATION OR A.P.E.	½ Credit OR 0 Credit									
HEALTH	½ Credit									
OTHER ELECIVES	5-5.5 Credits									
TOTAL CREDITS	22 Credits									

\* Students in Significantly Modified Program can satisfy these two requirements through successful completion of both the Everyday Living Skills and Voc/Com/Tech courses.

**BUTLER HIGH SCHOOL  
GUIDANCE DEPARTMENT**  
600 S. DIXIE DRIVE  
VANDALIA, OHIO 45377  
937-415-6309

**BUTLER GUIDANCE TEAM**  
Mark Peck, Emily Rasor  
Jennifer Donovan, Kelly Stevens  
Michele Reckner - Secretary