



Zachary High School

Home of the Broncos



2020-2021

Course Catalog



Zachary High School

4100 Bronco Lane
Zachary, LA 70791
(225) 654-2776

www.zacharyhigh.org

2020-2021 Course Catalog

Zachary High School Vision

To be nationally recognized as a school of excellence.

Zachary High School Mission

To assist every student in reaching his or her maximum potential through high-quality instruction and character-building experiences.

Tim Jordan

Erica Henry
Chad Jarreau
Todd McDonald
Lindsey Spence

Principal

AP of Core Curriculum & Instruction
AP of Student Services & Assessment
AP of Discipline
AP of Freshman Academy & Electives

School Counselors:

Frank Phinney	Cohort of 2024
Chandra Martin	Cohort of 2023
Shae Lipscomb	Cohort of 2022
Megan Kirkindoll	Cohort of 2021
Sandy Walters	Counseling Office Secretary

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Zachary Community School System is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, gender, age, or qualified disability.



ZACHARY HIGH SCHOOL

4100 Bronco Lane Zachary, LA 70791
Phone: 225.654.2776 Fax: 225.658.0010
www.zacharyhigh.org

Principal's Message

As the Principal of Zachary High School, it is my pleasure to work with the teachers and staff to ensure a positive and rewarding experience for all students. We are proud of the rich ZHS history of academic, extracurricular, athletic, and artistic programs designed to benefit and advance student achievement. We look forward to providing the best possible learning environment for our students. ZHS continues to offer sections of Honors and Advanced Placement courses as well as our Dual Enrollment Partnerships with local Universities that allow students to pursue college credit while still attending high school. ZHS will continue to improve career and technical opportunities by providing instructors with special certification training that will enable students to directly impact industry needs.

The students and staff of Zachary High will work towards continued improvement on the state assessments as well as strengthening our commitment and service to the greater community. ZHS teachers and staff believe that teaching above and beyond the standards helps build well-rounded students who are prepared for success after high school. We encourage our students to become involved in our many programs outside of the regular school day. Student organizations, clubs, and athletics all promote and support school community spirit and academic success.

The administrative team is always available to meet and discuss school issues or the individual progress of any student with parents, guardians, and the students themselves. Additionally, our excellent academic counselors and other support staff always make themselves available to assist in supporting positive outcomes for our students.

We look forward to the coming school year and hope to see you all at a ZHS school event. Thank you for your support of our school and school district.

Go Broncos!

Tim Jordan

Tim Jordan
Principal

ZACHARY COMMUNITY SCHOOLS | 2020/21 CALENDAR

4	Independence Day	<table><tr><th colspan="7">JULY '20</th></tr><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>Th</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td></td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	JULY '20							S	M	T	W	Th	F	S				1	2	3		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
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16-18	Early Dismissal	<table><tr><th colspan="7">DECEMBER '20</th></tr><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>Th</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td></td><td></td><td></td><td></td><td></td><td>26</td></tr><tr><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	DECEMBER '20							S	M	T	W	Th	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						26	27													
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18	End of 2nd Nine Weeks End of 3rd Six Weeks End of 1st Semester																																																									
21-31	Christmas/Winter Break (No School)																																																									

JANUARY '21						
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31						

1 Christmas/Winter Break
(No School)

4 Professional Development Day
(No Students)

5 Students return
2nd semester begins

18 Dr. M.L. King Day
(No School)

FEBRUARY '21						
S	M	T	W	Th	F	S
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28						

15-17 Mardi Gras Holiday
(No School)

19 End of 4th Six Weeks

MARCH '21						
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11 End of 3rd Nine Weeks

APRIL '21						
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4						10
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1 End of 5th Six Weeks

2-9 Easter/Spring Break
(No School)

MAY '21						
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18-20 Early Dismissal

20 End of 6th Six Weeks
End of 4th Nine Weeks
End of Semester
Last day for Students

21 Last day for Teachers
(No paras or café)

28 Last day for 9.5 mo.
employees

31 Memorial Day
Holiday

JUNE '21						
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7 Last day for 10 mo.
employees

21 Last day for 11 mo.
employees

KEY

	Employees Only		Holiday
	Students begin new semester		Early Dismissal

++ Contingency days Feb. 17, & May 21++

(Contingency days may be used to make up lost instructional time in the event of a school closure)

2 School year may extend beyond May 21 if needed to meet state requirements.

WHAT IS TOPS?

Louisiana's Taylor Opportunity Program for Students (TOPS) is a comprehensive program of state scholarships and one of the most innovative and progressive student assistance programs in the nation. TOPS has four award components. See the table on the reverse for eligibility and renewal requirements of each award, except the Tech Award, which is presented in a separate brochure.

HOW AND WHEN TO APPLY FOR TOPS?

To apply for TOPS, the student must complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov or the TOPS On-line Application at <https://www.osfa.la.gov:8181/AwardSystemADF/faces/index.html>. The FAFSA must be completed by students who qualify for federal grant aid and by students who are seeking other forms of financial aid. The TOPS On-line Application may be completed by students who can certify that they do not qualify for federal grant aid.

Graduates of 2019 - The TOPS application deadline is July 1 following the one year anniversary of high school graduation. You **MUST** file your FAFSA or TOPS On-line Application so that it is received by the federal processor by July 1, 2020 to receive full TOPS funding. However, to ensure timely processing and award notification, students are strongly encouraged to file at least six weeks prior to entry into college. Be sure to **PRINT** and **RETAIN** your dated FAFSA or TOPS On-line Application confirmation page that includes the confirmation number in case verification of timely filing is required. **No payment of a TOPS award will be made until the initial FAFSA or on-line application has been received and you have been determined eligible for a TOPS award.**

INITIAL APPLICATION RECEIPT DATE	RECEIVES TOPS FUNDING FOR:
Oct. 1, 2018 - July 1, 2020	8 semesters (12 quarters) beginning with Academic Year 2019-2020*
July 2 - Aug. 30, 2020	7 semesters (10 quarters) beginning with Academic Year 2019-2020**
Aug. 31 - Oct. 29, 2020	6 semesters (9 quarters) beginning with Academic Year 2019-2020**
Initial applications received after Oct. 29, 2020	Ineligible for TOPS Award
*If your initial FAFSA or on-line application is received after July 1 immediately following your graduation from high school, the payment of your TOPS award will not be made until your application is received and you are determined eligible for a TOPS award. If you enroll for the first time as a full time student before your FAFSA or on-line application is received, you must meet the TOPS Continuing Eligibility Requirements to receive payments of your TOPS award after the first semester, quarter or term of your full time enrollment at an eligible college or university.	
** If you are a 2019 high school graduate and your application is received from July 2, 2020 through August 30, 2020, you will be eligible to receive seven semesters of TOPS funding beginning with the 2019-2020 academic year. You must also meet TOPS Continuing Eligibility Requirements if you attend college during the 2019-2020 academic year.	
*** If you are a 2019 high school graduate and your application is received from August 31, 2020 through October 29, 2020, you will be eligible to receive six semesters of TOPS funding beginning with the 2019-2020 academic year. You must also meet TOPS Continuing Eligibility Requirements if you attend college during the 2019-2020 academic year.	

TOPS CORE CURRICULUM

Students must take the courses required for TOPS within their TOPS University curriculum requirements. Substitute core courses can be found at <http://www.osfa.la.gov/MainSitePDFs/TOPSCoreCurriculum.pdf>

UNITS	COURSES*
1 unit	English = 4 units
1 unit	English I
1 unit	English II
1 Unit from the following:	English III, AP English Language Arts and Composition, or IB English III (Language A or Literature and Performance)
1 Unit from the following:	English IV, AP English Literature and Composition, or IB English IV (Language A or Literature and Performance)
1 unit	Math = 4 units
1 unit	Algebra I
1 unit	Geometry
1 unit	Algebra II
1 Unit from the following:	Algebra III; Advanced Math - Functions and Statistics; Advanced Math - Pre-Calculus, Pre-Calculus, or IB Math Methods I (Mathematical Studies SL); Calculus, AP Calculus AB, or IB Math Methods II (Mathematics SL); AP Calculus BC; Probability and Statistics or AP Statistics; IB Further Mathematics HL; IB Mathematics HL
1 unit	Science = 4 units
1 unit	Biology I
1 unit	Chemistry I
2 units from the following:	Earth Science; Environmental Science; Physical Science; Agriscience I and Agriscience II (one unit combined); Chemistry II or AP Chemistry or IB Chemistry II; AP Environmental Science or IB Environmental Systems; Physics I, AP Physics I, AP Physics B, or IB Physics C; AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, or IB Physics II, or AP Physics II; Biology II or AP Biology or IB Biology II
1 unit from the following:	Social Studies = 4 units
1 unit from the following:	U.S. History, AP U.S. History, or IB U.S. History
1 unit from the following:	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
2 units from the following:	Western Civilization, European History, or AP European History; World Geography, AP World Geography, or IB Geography; World History, AP World History, or IB World History; History of Religions; IB Economics, Economics, AP Macroeconomics, or AP Microeconomics
1 unit from the following:	Foreign Language = 2 units
1 unit from the following:	Foreign Language, both units in the same language, which may also include the following AP and IB courses: AP Chinese Language and Culture, AP French Language and Culture, AP German Language and Culture, AP Italian Language and Culture, AP Japanese Language and Culture, AP Latin, AP Spanish Language and Culture, AP French IV, IB French V, IB Spanish IV, and IB Spanish V
1 unit from the following:	Fine Arts = 1 unit
1 unit from the following:	Performance course in Music, Dance or Theatre; Fine Arts Survey; Art I, II, III, and IV; Talented Art I, II, III, and IV; Talented Music I, II, III, and IV; Talented Theater Arts I, II, III, and IV; Speech III and Speech IV (one unit combined); AP Art History; AP Studio Art: 2-D Design; AP Studio Art: 3-D Design; AP Studio Art: Drawing; AP Music Theory; IB Film Study I; IB Film Study II; IB Music I; IB Music II; IB Art Design III; IB Art Design IV; IB Theatre I or Drafting
Total = 19 Units	

CONTACT LOSFA:



E-mail LOSFA at:
custserv@la.gov



Access LOSFA on the Internet at:
www.osfa.la.gov



Write LOSFA at:
P.O. Box 91202
Baton Rouge, LA 70821-9202



To speak to a representative,
call LOSFA at (800) 259-5626 or
(225) 219-1012



<http://www.facebook.com/LOSFA>



<http://www.twitter.com/LOSFA>



<http://instagram.com/LOSFA001>

Consent to Receive Academic Data

LOSFA can only evaluate TOPS eligibility for those students whose parents granted consent for LOSFA to receive their academic data. Consent forms may be accessed here: <http://www.osfa.la.gov/MainSitePDFs/ConsentForm.pdf>. Consent may be withdrawn by written notice at any time. Once a student reaches 18 years of age, he or she may grant consent by using this form: <http://www.osfa.la.gov/MainSitePDFs/ConsentFormOver18.pdf>

Disclaimer: This brochure is current as of the edition date and is provided for informational purposes only. The eligibility requirements and rules governing the TOPS program are subject to legislative and regulatory amendments subsequent to the edition date of this brochure. TOPS applicants are responsible for determining the program requirements at the time of application and should not rely on this brochure as a full disclosure of all qualifications required for a TOPS award.



Taylor Opportunity Program for Students Honors Awards October 2018 Edition



Louisiana Office of Student Financial Assistance

A Program of the Board of Regents
This brochure incorporates changes as of the edition date and applies to high school graduates of the class of 2019.

LOUISIANA'S TAYLOR OPPORTUNITY PROGRAM FOR STUDENTS, "TOPS"

October 2018

For more information, call the Louisiana Office of Student Financial Assistance (LOSEA) at (800) 259-5626 or visit our Web site at www.osfa.la.gov.

AWARD COMPONENTS OF TOPS (EXCEPT TECH AWARD)			
STANDARD ELIGIBILITY REQUIREMENTS ¹	OPPORTUNITY AWARD	PERFORMANCE AWARD	HONORS AWARD
High School Grade Point Average (GPA) ²	2.50 (GPA computed on core courses only)	3.00 ³ (GPA computed on core courses only)	3.00 ³ (GPA computed on core courses only)
Core Units	19 ⁴	19 ⁴	19 ⁴
ACT Composite Score (or SAT Equivalent)	Prior year state average. Currently 20 ⁵	23 ⁵	27 ⁵
BESF-Approved Home-Study Student Eligibility ⁶	Currently an ACT of 22 (2 points above standard, in lieu of core units and GPA)	Currently an ACT of 24 (1 point above standard, in lieu of core units and GPA)	Currently an ACT of 28 (1 point above standard, in lieu of core units and GPA)
Out-of-State Student Eligibility ⁷	Currently an ACT of 23 (3 points above standard, in lieu of core units and GPA)	Currently an ACT of 26 (3 points above standard, in lieu of core units and GPA)	Currently an ACT of 30 (3 points above standard, in lieu of core units and GPA)
Must Enroll Full Time ^{8,9,10}	As a first-time freshman, by the fall semester following the first anniversary of high school graduation	As a first-time freshman, by the fall semester following the first anniversary of high school graduation	As a first-time freshman, by the fall semester following the first anniversary of high school graduation
Eligible Institutions ¹¹	Louisiana public & LAICU postsecondary institutions and certain cosmetology and proprietary schools	Louisiana public & LAICU postsecondary institutions and certain cosmetology and proprietary schools	Louisiana public & LAICU postsecondary institutions and certain cosmetology and proprietary schools
Maximum Award at Public Schools *TOPS is fully funded for the 2018-2019 Academic Year	Payment of TOPS is contingent upon appropriations by the Louisiana Legislature.	Payment of TOPS is contingent upon appropriations by the Louisiana Legislature.	Payment of TOPS is contingent upon appropriations by the Louisiana Legislature.
Maximum Award at LAICU Institutions ¹¹	Weighted average of prior year TOPS payments to students at public-degree granting schools	Weighted average of prior year TOPS payments to students at public-degree granting schools	Weighted average of prior year TOPS payments to students at public-degree granting schools
RENEWAL REQUIREMENTS ¹² Maintain Steady Academic Progress (Based on TOPS cumulative GPA which is calculated on all course work attempted and may not be the same as that calculated by the school.)	OPPORTUNITY AWARD 2.30 end of first academic year 2.50 end of all other academic years Maintain steady academic progress at the end of all other terms (2.00 TOPS cumulative GPA)	PERFORMANCE AWARD 3.00 end of each academic year ¹³ Maintain steady academic progress at the end of all other terms (2.00 TOPS cumulative GPA)	HONORS AWARD 3.00 end of each academic year ¹³ Maintain steady academic progress at the end of all other terms (2.00 TOPS cumulative GPA)
Hours Earned Per Academic Year ¹⁴	Enroll full time and maintain continuous enrollment each semester, earn 24 hours or more each academic year	Enroll full time and maintain continuous enrollment each semester, earn 24 hours or more each academic year	Enroll full time and maintain continuous enrollment each semester, earn 24 hours or more each academic year
Award Reinstated Upon Recovery of Required GPA ¹⁵	Yes	Yes, but reinstated as an Opportunity Award	Yes, but reinstated as an Opportunity Award
Award Limit ^{16,17}	4 years or 8 semesters	4 years or 8 semesters	4 years or 8 semesters

1 - Applicable to students who are U.S. citizens or permanent residents who are eligible to apply for U.S. citizenship and who graduate from Louisiana public or approved non-public high schools, and who are the dependent of a parent(s) or a court ordered custodian who is a resident of Louisiana for at least two years prior to the month of the dependent's high school graduation; or a dependent of a member of the Armed Forces who claims Louisiana as his legal residence and has filed Louisiana tax returns or who is stationed in Louisiana and completes a DD Form 2058 to become a legal resident within 180 days of reporting to Louisiana; or is a student who actually resides in Louisiana while attending a Louisiana public or approved non-public high school for the period of this or her last two full years of high school culminating in graduation as certified by the high school.

2 - Students who are non high school graduates with superior intellect who enter college full-time prior to their nineteenth birthday without completing high school or an approved home study program may qualify for a TOPS award. Contact LOSEA for more information.

3 - Beginning with 2021 graduates, the GPA required to qualify for the Performance Award will be a 3.25 and the GPA required to qualify for the Honors Award will be a 3.50.

4 - Core units may NOT be waived if not offered at the high school attended. It is the student's responsibility to acquire any such course(s) through approved correspondence or distance learning venues. Individual courses may be waived for students with exceptionalities or disabilities that prevent enrollment or successful completion. See reverse side for TOPS Core Curriculum. Beginning with graduates of the 2017-2018 Academic Year, there are significant changes to both the list of approved TOPS Core Curriculum courses and the Core Curriculum grade point average (GPA) calculation.

5 - A qualifying score achieved on a National, International, Military, or Special ACT or equivalent SAT taken no later than April 30 and a first time qualifying score on a test taken after April 30 but before July 1 of the year of high school graduation will be accepted. Scores on tests taken after June of the year of high school graduation based on proof that the student was prevented from taking the test prior to July 1 due to circumstances beyond the control of the student and attributable to the administration of the test. For an ACT or SAT score to be considered, the student must enter code 1595 on the ACT registration form or code 9019 on the SAT registration form. The score for the essay section is NOT included.

6 - Applicable to students who complete a La. Board of Elementary and Secondary Education (BESF) approved home-study program at the twelfth grade level and who meet the residency requirements (See Note 1). If the student previously attended a Louisiana high school, he must complete at least the 11th and 12th grade of an approved home study program.

7 - Applicable to students who graduate from an approved out-of-state high school and who meet the residency requirements (See Note 1).

8 - A qualified student who enlists and enters on active duty in the Armed Forces within one year of graduation from high school may apply for TOPS by submitting the Application to Return from an Out-of-State College no later than the semester, quarter or term following the one year anniversary of separation from active duty. The veteran must not have been discharged with an undesirable, bad conduct or dishonorable discharge. A student who meets these requirements and did not previously apply, must file a FAFSA within one year of separation from active duty.

9 - Exceptions for "first-time freshman", "full-time and continuous enrollment and/or 24 hour" requirements may be granted for demonstrated cause. Contact LOSEA or go to www.osfa.la.gov/exceptionform for an application.

10 - Students who met the academic requirements for a TOPS award and enrolled as a first-time freshman at an out-of-state college or at an eligible in-state college but subsequently enrolled at an eligible out-of-state college may apply for TOPS by submitting the Application to Return from an Out-of-State College no later than July 1st immediately following the semester, quarter or term during which the student returns and enrolls as a full-time student in an eligible Louisiana college. All supporting documents must be received no later than January 15th following the deadline. The student must have met the renewal requirements for TOPS while enrolled out-of-state. Students who first enrolled full-time in a Louisiana college must meet the deadline listed on the reverse side of this brochure. The deadline for students who first enrolled full-time in an out-of-state college is July 1 following the first semester, quarter or term of enrollment at an eligible Louisiana college.

11 - LAICU schools are those institutions that are members of the Louisiana Association of Independent Colleges and Universities. "Certain cosmetology and proprietary schools" include any school with a valid and current certificate of registration issued by the Louisiana State Board of Cosmetology that is accredited by an accrediting organization recognized by the U.S. Department of Education, and any proprietary school with a valid and current license issued by the Board of Regents that is accredited by an accrediting organization recognized by the U.S. Department of Education.

12 - Unless the recipient of an award is ineligible for federal grant aid, a FAFSA must be filed annually to be received by the state deadline of July 1.

13 - Students who fail to maintain a 3.00 GPA will have their award converted to the Opportunity Award.

14 - The academic year begins with the fall semester, quarter or term and ends at the beginning of the following fall semester, quarter or term. All summer sessions and intersessions within this time frame are included. Only courses for which credit is earned during an academic year will be counted towards the 24-hour requirement.

15 - In order to earn credit for a course, you must receive a grade of "D" or better.

16 - Any student who successfully completes an academic undergraduate degree in less than the eight semesters of eligibility may receive any remaining award benefits if the student enrolls in a professional/postgraduate academic program at an eligible institution and continues to meet all academic and other requirements for continuation of the award. TOPS may not be used to pursue a second baccalaureate degree.

17 - Recipients may pursue an academic degree or technical diplomas or both, but may not exceed the award limit.



TOPS Core Curriculum

For the Opportunity, Performance and Honors Awards
For High School graduates of 2018 and thereafter

Units	Courses ¹
ENGLISH = 4 Units	
1 Unit	English I
1 Unit	English II
1 Unit from the following:	English III, AP English Language Arts and Composition, or IB English III (Language A or Literature and Performance)
1 Unit from the following:	English IV, AP English Literature and Composition, or IB English IV (Language A or Literature and Performance)
MATH = 4 Units	
1 Unit	Algebra I
1 Unit	Geometry
1 Unit	Algebra II
	Integrated Mathematics I, Integrated Mathematics II, and Integrated Mathematics III may be substituted for the Algebra I, Geometry, and Algebra II sequence
1 Unit from the following:	Algebra III; Advanced Math - Functions and Statistics, Advanced Math - Pre-Calculus, Pre-Calculus, or IB Math Methods I (Mathematical Studies SL); Calculus, AP Calculus AB, or IB Math Methods II (Mathematics SL); AP Calculus BC; Probability and Statistics or AP Statistics; IB Further Mathematics HL; IB Mathematics HL; AP Computer Science A
SCIENCE = 4 Units	
1 Unit	Biology I
1 Unit	Chemistry I
2 Units from the following:	Earth Science; Environmental Science; Physical Science; Agriscience I and Agriscience II (one unit combined); Chemistry II or AP Chemistry or IB Chemistry II; AP Environmental Science or IB Environmental Systems; Physics I, AP Physics I, AP Physics B, or IB Physics I; AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, or IB Physics II, or AP Physics II; Biology II or AP Biology or IB Biology II or Human Anatomy and Physiology
SOCIAL STUDIES = 4 Units	
1 Unit from the following:	U.S. History, AP U.S. History, or IB U.S. History
1 Unit from the following:	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
2 Units from the following:	Western Civilization, European History, or AP European History; World Geography, AP Human Geography, or IB Geography; World History, AP World History, or IB World History; History of Religion; IB Economics, Economics, AP Macroeconomics, AP Microeconomics or AP Psychology
FOREIGN LANGUAGE = 2 Units	
	Foreign Language, both units in the same language, which may also include the following AP and IB courses: AP Chinese Language and Culture, AP French Language and Culture, AP German Language and Culture, AP Italian Language and Culture, AP Japanese Language and Culture, AP Latin, AP Spanish Language and Culture, IB French IV, IB French V, IB Spanish IV, IB Spanish V, Mandarin Chinese I-IV, Hindi I – IV, Portuguese I-IV, Vietnamese I-IV
ART = 1 Unit	
1 Unit from the following:	Performance course in Music, Dance or Theatre; Fine Arts Survey; Art I, II, III, and IV; Talented Art I, II, III, and IV; Talented Music I, II, III and IV; Talented Theater Arts I, II, III, and IV; Speech III and Speech IV (one unit combined); AP Art History; AP Studio Art: 2-D Design; AP Studio Art: 3-D Design; AP Studio Art: Drawing; AP Music Theory; IB Film Study I; IB Film Study II; IB Music I; IB Music II; IB Art Design III; IB Art Design IV; IB Theatre I, Drafting, Media Arts I - IV; Photography I, Photography II, or Digital Photography
TOTAL = 19 Units	
<i>Please see reverse side for core (substitute) equivalents to the TOPS Core Curriculum</i>	

Core Curriculum Course(s)	Recently Approved Equivalent (Substitute) Course(s)
Art	Digital Image & Motion Graphics, Digital Storytelling, Engineering Design & Development, Sound Design
Environmental Science	Environmental Awareness
World Geography	Physical Geography
Probability & Statistics	Statistical Reasoning
Physical Science	Principles of Engineering

¹ **GIFTED COURSES:** Any core curriculum course that is taken by a student who has been identified as gifted pursuant to State Board of Elementary and Secondary Education (BESE) policy and that is taken in fulfillment of the student's Individualized Education Plan shall be considered a "Gifted Course" and shall fulfill the core curriculum.

Beginning with students entering the 9th grade in 2014-2015 and graduating in the 2017-2018 school year and thereafter, the calculation of the TOPS Core Curriculum grade point average (GPA) will use a five- (5.00) point scale for grades earned in certain designated Advanced Placement (AP) courses; International Baccalaureate (IB) courses; Gifted courses; Dual Enrollment courses, Honors courses and Articulated courses offered for college credit by the Louisiana School for the Math, Science and the Arts used to complete the TOPS Core Curriculum. The courses currently designated to be calculated on the 5.00 point scale can be viewed at <https://www.osfa.la.gov/5scale>. For the designated courses, five quality points will be assigned to a letter grade of "A", four quality points will be assigned to a letter grade of "B", three quality points will be assigned to a letter grade of "C", two quality points will be assigned to a letter grade of "D", and zero quality points will be assigned to a letter grade of "F". Note that students earning credit in courses graded on the five (5.00) point scale may earn a grade point average on the TOPS Core Curriculum that exceeds 4.00.



This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute.

Louisiana Office of Student Financial Assistance (LOSFA)
A program of the Board of Regents
P.O. Box 91202, Baton Rouge, LA 70821-9202
(800) 259-5626
custserv@la.gov
www.osfa.la.gov



Updated: 02/06/2019

Name: _____

****This form is intended to be used as a tool in selecting your courses for the next school year. Final responsibility for course selections meeting diploma and TOPS requirements rests on the student and parent or legal guardian. This form was also completed on the assumption at scheduling time that the student will pass all courses they are currently enrolled in for the current semester.**

Tops University Diploma Requirements

Students earning a TOPS UNIVERSITY Diploma may not necessarily earn the TOPS Opportunity Scholarship. TOPS core GPA and ACT score are factored into eligibility.

English – 4 Units

- ____ English I
- ____ English II
- ____ English III
- ____ English IV

Math – 4 Units

- ____ Algebra I
- ____ Geometry
- ____ Algebra II
- ____ 4th Math unit selected from:
 - Algebra III
 - Pre-Calculus
 - Prob. & Statistics AP
 - Calculus AB AP
 - Calculus BC AP

Social Studies– 4 Units

- ____ Civics or US Government & Pol AP
- ____ US History
- ____ 3rd Social Studies
- ____ 4th Social Studies
- ____ 3rd & 4th Social Studies selected from:
 - World Geography
 - Human Geography AP
 - World History
 - World History AP
 - European History AP
 - Psychology AP

Electives—3 Units

1. _____
2. _____
3. _____

Science – 4 Units

- ____ Biology I
- ____ Chemistry
- ____ 3rd Science
- ____ 4th Science
- ____ 3rd & 4th Science selected from:
 - Agriscience I & Agriscience II
 - Biology II AP
 - Environmental Science
 - Environmental Science AP
 - Earth Science
 - Chemistry II AP
 - Anatomy and Physiology
 - Physical Science
 - Physics
 - Physics I AP

PE & Health – 2 Units

- ____ PE – 1 ½ units
- ____ Health – ½ unit
- or
- ____ JROTC I
- ____ JROTC II
- (replaces PE and Health) 2 units

Arts Requirement – 1 Unit

- ____ Art, Choir, Band, Theatre, Media Arts, Talented Art, Fine Arts Survey

Foreign Language—2 Units

- (Must be 2 of same language)
- ____ Spanish I or French I
- ____ Spanish II or French II

Total Units Required: 24

LEAP 2025: English I or English II _____ Algebra I or Geometry _____ Biology or US History _____



TOPS Tech Core Curriculum

For the TOPS Tech Award – JumpStart Curriculum
For High School graduates of 2018 and thereafter

Students may also qualify for the TOPS Tech Award by completing the TOPS Core Curriculum for the Opportunity, Performance and Honors Awards

Units	Courses
1 Unit	English I
1 Unit	English II
2 Units	English III, English IV, AP or IB English courses, Business English, Technical Writing, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education.
1 Unit	Algebra I; or both Algebra I, Part 1 and Algebra I, Part 2; or an applied or hybrid algebra course
3 Units	Geometry, Algebra II, Math Essentials, Financial Literacy, Business Math, Algebra III, Advanced Math -Functions and Statistics, Advanced Math - Pre-Calculus, Pre-calculus, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education. Integrated Mathematics I, II, and III may be substituted for Algebra I, Geometry, and Algebra II, and shall equal three mathematics credits
1 Unit	Biology
1 Unit	Chemistry I, Earth Science, Environmental Science, Agriscience I and Agriscience II (both for one unit), Physical Science, Physics, or AP or IB science courses
1 Unit	U.S. History, AP U.S. History, or IB U.S. History
1 Unit	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
9 Units	In Jump Start course sequences, workplace experiences, and credentials. A student shall complete a regionally designed series of Career and Technical Education Jump Start coursework and workplace-based learning experiences leading to a statewide or regional Jump Start credential. This shall include courses and workplace experiences specific to the credential, courses related to foundational career skills requirements in Jump Start, and other courses, including career electives, that the Jump Start regional team determines are appropriate for the career major.
TOTAL: 21 units	



This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute and those determined to be equivalent by the La. Board of Regents and BESE.

Louisiana Office of Student Financial Assistance

A program of The Board of Regents

(800) 259-5626

custserv@la.gov www.osfa.la.gov

P.O. Box 91202, Baton Rouge, LA 70821-9202 Updated: 10/01/2018



WHAT IS TOPS?

Louisiana's Taylor Opportunity Program for Students (TOPS) is a comprehensive program of state scholarships and one of the most innovative and progressive student assistance programs in the nation. TOPS has four award components. One component, the TOPS Tech Award, is detailed herein. (See separate brochure for the TOPS Opportunity, Performance and Honors Awards.)

WHAT IS THE TOPS TECH AWARD?

Unique among the TOPS scholarships, the TOPS Tech Award was created by the Louisiana Legislature with the sole intention of promoting a skilled workforce in Louisiana. Currently, the TOPS Tech Award is offered to qualified high school graduates and provides up to two years of skill or occupational training to be pursued at an accredited Louisiana postsecondary institution that offers a vocational or technical education certificate/diploma.

Students who are awarded TOPS-Tech may enroll in a Louisiana public community or technical college that offers a Vocational or Technical Education Certificate or Diploma Program or a non-academic undergraduate degree to pursue a skill, occupational training, or technical training (including approved cosmetology and proprietary schools) subsequent to high school graduation.

TOPS Tech awards may also be used for certain degrees/certifications and programs that are aligned with state workforce priorities as determined by the Board of Regents and the Louisiana Workforce Investment Council. For a list of qualified programs, go to http://www.osfa.la.gov/MainSitePDFs/TOPS_Payment_Amounts.pdf

WHERE MAY I USE THE TOPS TECH AWARD?

The TOPS Tech Award may be used for up to two years of skill or occupational training at any campus of the Louisiana Community and Technical College System, accredited two-or-four-year public colleges or universities, or private colleges or universities (members of the Louisiana Association of Independent Colleges and Universities, LAICU) to pursue a vocational or technical education certificate, diploma or non-academic degree program. Students who are eligible for the TOPS Tech Award may also use their awards at any school with a valid and current certificate of registration issued by the Louisiana State Board of Cosmetology and that is accredited by an accrediting organization recognized by the United States Department of Education, and at any proprietary school, with a valid and current license issued by the Board of Regents and accredited by an accrediting organization recognized by the United States Department of Education.

TOPS Tech awardees may use their awards to enroll in an eligible college or university on a full time basis in an associate's degree or other shorter-term training or education program that is aligned to state workforce priorities as determined by the Board of Regents and the Workforce Investment Council.

If the Board of Regents and the Louisiana Workforce Commission determine that a program is no longer aligned with those

CONTACT LOSFA



E-mail LOSFA at:
custserv@la.gov



Access LOSFA on the Internet at:
www.osfa.la.gov



Write LOSFA at:
P.O. Box 91202
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To speak to a representative,
call LOSFA at (800) 259-5626 or
(225) 219-1012



<http://www.facebook.com/LOSFA>



<http://www.twitter.com/LOSFA>



<http://instagram.com/LOSFA001>

Consent to Receive Academic Data

LOSFA can only evaluate TOPS eligibility for those students whose parents granted consent for LOSFA to receive their academic data. Consent forms may be accessed here: <http://www.osfa.la.gov/MainSitePDFs/ConsentForm.pdf>. Consent may be withdrawn by written notice at any time. Once a student reaches 18 years of age, he or she may grant consent by using this form: <http://www.osfa.la.gov/MainSitePDFs/ConsentFormOver18.pdf>

Disclaimer: This brochure is current as of the edition date and is provided for informational purposes only. The eligibility requirements and rules governing the TOPS program are subject to legislative and regulatory amendments subsequent to the edition date of this brochure. TOPS applicants are responsible for determining the program requirements at the time of application and should not rely on this brochure as a full disclosure of all qualifications for a TOPS Tech Award.



Louisiana Office of Student Financial Assistance
A program of the Board of Regents
This brochure incorporates changes in effect as of the edition date and applies to high school graduates of the class of 2019 applying for the TOPS Tech Award.



**Taylor Opportunity Program for Students
Tech Award**
October 2018 Edition
For students graduating from high school
in the 2018-19 academic year and thereafter

LOUISIANA'S TAYLOR OPPORTUNITY PROGRAM FOR STUDENTS "TOPS" TECH AWARD

For more information call the Louisiana Office of Student Financial Assistance at (800) 259-5626 or visit our Web site at www.osfa.la.gov.

October 2018

STANDARD ELIGIBILITY REQUIREMENTS ¹		TECH AWARD
High School Grade Point Average (GPA)		2.50 (GPA computed on core courses only)
Tech Core Units		21 Jumpstart Career Path Core Units ²
ACT Composite Score (or SAT Equivalent)		17 ³ or higher or a silver level score on the assessments of the ACT WorkKeys system
Must Enroll Full Time		As a first-time freshman, by the fall semester following the first anniversary of high school graduation ^{4, 5}
Eligible Institutions		Louisiana Technical College campuses and other public postsecondary or LAICU ⁶ schools that provide skill or occupational training and certain cosmetology and proprietary schools ⁷
Maximum Award at 2- Year Public Schools		TOPS Tech Award Amount Payment of TOPS is contingent upon appropriations by the Louisiana Legislature. ⁸
Maximum Award at 4- Year Public Schools that do not offer an academic undergraduate degree at the Bachelors level		TOPS Tech Award Amount Payment of TOPS is contingent upon appropriations by the Louisiana Legislature. ⁸
Maximum Award at 4- Year Public Schools that do offer an academic undergraduate degree at the Bachelors level		TOPS Tech Average Award Amount The average of TOPS Tech payments paid to students attending public schools that do not offer a baccalaureate degree ⁹
Maximum Award at LAICU ⁶ Institutions and certain cosmetology and proprietary schools ⁷		TOPS Tech Average Award Amount The average of TOPS Tech payments paid to students attending public schools that do not offer a baccalaureate degree ⁹
BESE-Approved Home-Study Student Eligibility ¹⁰		ACT of 19 (2 points above standard in lieu of core units and GPA)
Out-of-State Student Eligibility ¹⁰		ACT of 20 (3 points above standard in lieu of core units and GPA)
RENEWAL REQUIREMENTS ¹¹		TECH AWARD
Maintain Steady Academic Progress (Based on the TOPS cumulative GPA which is calculated on all course work attempted and may not be the same as that calculated by the school)		2.50 end of the academic year Maintain steady academic progress at the end of all other terms or semesters (2.00 cumulative GPA)
Hours Earned Per Academic Year		Enroll full time and maintain continuous enrollment each semester, earn 24 hours or more each academic year ⁵
Award Reinstated Upon Recovery of Required GPA		Yes ¹²
Award Limit		2 years

TOPS TECH CORE CURRICULA	
UNITS	COURSE
2	English I and English II
2	English III, English IV, AP or IB English courses, Business English, Technical Writing, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education.
1	Algebra I; or both Algebra I, Part I and Algebra I, Part 2; or an applied or hybrid algebra course
3	Geometry, Algebra II, Math Essentials, Financial Literacy, Business Math, Algebra III, Advanced Math - Functions and Statistics, Advanced Math - Pre-Calculus, Pre-calculus, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education. Integrated Mathematics I, II, and III may be substituted for Algebra I, Geometry, and Algebra II, and shall equal three mathematics credits
1	Biology
1	Chemistry I, Earth Science, Environmental Science, Agriscience I and Agriscience II (both for one unit), Physical Science, Physics, or AP or IB science courses
1	U.S. History, AP U.S. History, or IB U.S. History
1	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
9	In Jump Start course sequences, workplace experiences, and credentials. A student shall complete a regionally designed series of Career and Technical Education Jump Start coursework and workplace-based learning experiences leading to a statewide or regional Jump Start credential. This shall include courses and workplace experiences specific to the credential, courses related to foundational career skills requirements in Jump Start, and other courses, including career electives, that the Jump Start regional team determines are appropriate for the career major.
Students may also qualify for a TOPS Tech Award by completing the high school course work constituting the TOPS core curriculum for the Opportunity, Performance and Honors Awards.	

- 1- Applicable to students who are U.S. citizens or permanent residents who are eligible to apply for U.S. citizenship; graduate from Louisiana public or approved non-public high schools; and 1) are the dependent of a parent(s) who is a resident of Louisiana for at least two years prior to the month of the dependent's high school graduation; or 2) is a dependent of a member of the Armed Forces who claims Louisiana as his legal residence and has filed Louisiana tax returns; or 3) who is stationed in Louisiana and completes a DD Form 2058 to become a legal resident within 180 days of reporting to Louisiana; or 4) is a student who actually resides in Louisiana while attending a Louisiana public or approved non-public high school for the period of his or her last two full years of high school culminating in graduation as certified by the high school.
- 2- Core units may NOT be waived if not offered at the high school attended. It is the student's responsibility to acquire any such course(s) through approved correspondence or distance learning venues. Individual courses may be waived for students with exceptionalities or disabilities that prevent enrollment or successful completion.
- 3- A qualifying score achieved on a National, International, Military, or Special ACT or equivalent SAT taken no later than April 30 and a first time qualifying score on a test taken after April 30 but before July 1 of the year of high school graduation will be accepted. Scores on tests taken after June of the year of high school graduation will not be accepted unless the student is granted an exception for a score earned on a test taken before September 30 of the year of high school graduation based on proof that the student was prevented from taking the test prior to July 1 due to circumstances beyond the control of the student and attributable to the administration of the test. For an ACT or SAT score to be considered, the student must enter code 16895 on the ACT registration form or code 9019 on the SAT registration form. The score for the writing section is NOT included.
- 4- A qualified student who enlists and enters on active duty in the Armed Forces within one year of graduation from high school must enroll in an eligible college no later than the semester, quarter or term following the one year anniversary of separation from active duty. The veteran must not have been discharged with an undesirable, bad conduct or dishonorable discharge. A student who meets these requirements and did not previously apply must file a FAFSA so that it is received within one year of separation from active duty.
- 5- Exceptions for "first-time freshman", "full-time" and "continuous enrollment" and/or "24 hour" requirements may be granted for demonstrated cause. Contact LOSFA or go to www.osfa.la.gov/exceptionform for an application. The academic year includes the summer session.
- 6- Non-public institutions that are members of the Louisiana Association of Independent Colleges and Universities (LAICU).
- 7- Any school with a valid and current certificate of registration issued by the Louisiana State Board of Cosmetology and that is accredited by an accrediting organization recognized by the United States Department of Education, and any proprietary school with a valid and current license issued by the Board of Regents and accredited by an accrediting organization recognized by the United States Department of Education.
- 8- TOPS may not cover 100% of tuition. For a current list of TOPS Tech Award Amounts, please go to http://www.osfa.la.gov/MainSitePDFS/70PS_Payment_Amounts.pdf.
- 9- If the student previously attended a Louisiana high school, he must complete at least the 11th and 12th grades of a BESE approved home study program.
- 10- Applicable to students who graduate from an approved out-of-state high school and who meet the residency requirements (See Note 1). Students who graduate from an approved high school located outside of the United States may also qualify for a TOPS Tech Award with an ACT score of 20 or higher, if a parent(s) of the dependent student: (1) was actively engaged in work or other activity on behalf of a Louisiana employer or sponsor; (2) actually lived in Louisiana for at least the 24-months preceding the date the work or activity outside the United States began, and (3) remained a Louisiana resident through the date of the student's graduation from high school.
- 11- Unless the applicant for an award is ineligible for federal grant aid, a FAFSA must be filed annually to be received by the state deadline of July 1st.
- 12- Provided that the period of ineligibility did not extend for more than one year.

Name: _____

**These forms are intended to be used as a tool in selecting your courses for the next school year. Final responsibility for course selections meeting Diploma and TOPS requirements rests on the student and parent or legal guardian. This form was also completed on the assumption at scheduling time that the student will pass all courses they are currently enrolled in for the current semester.

Jump Start TOPS Tech Diploma Requirements

Jumpstart students are eligible for TOPS TECH on this diploma, but must meet TOPS Core GPA and ACT or ACT WorkKeys requirements

English—4 Units

- _____ English I
- _____ English II
- _____ English III or Business English
- _____ English IV or Tech Writing

Math—4 Units

- _____ Algebra I
- _____ Geometry or Business Math
- _____ Algebra II or Math Essentials
- _____ Algebra III, Pre-Calculus, or Financial Lit

Social Studies—2 Units

- _____ Civics
- _____ U.S. History

Science—2 Units

- _____ Biology I
- _____ 1 Unit from the following:
 - Physical Science
 - Environmental Science
 - Environmental Science AP
 - Earth Science
 - Chemistry
 - Agriscience I & Agriscience II

- _____ PE – 1 ½ units
- _____ Health – ½ unit

or

- _____ JROTC I
 - _____ JROTC II
- (replaces PE and Health) 2 units

Jump Start Electives – 9 units

Pathway: _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Credentials—3 are needed:

1. _____
2. _____
3. _____

Total Units Required: 23

LEAP 2025: English I or English II _____ Algebra I or Geometry _____ Biology or US History _____

NCAA Eligibility Requirements

(Prospective college athletes must submit ACT scores and register with NCAA Clearinghouse during their Junior year)

Division I:

If you enroll in a Division I college and want to participate in athletics or receive an athletic scholarship during your first year, you must:

- Graduate high school
- Earn a core course GPA of 2.3 or higher
- Complete 16 core courses:
 - 4 years of English
 - 3 years of Math (Algebra I or higher)
 - 2 years of natural/physical science
 - 1 year must be lab science if your school offers it
 - 1 additional year of English, Math or natural/physical science
 - 2 years of Social Science
 - 4 additional years of English, Math, natural/physical science, social science, foreign language, comparative religion or philosophy
- You must complete 10 of the core courses by the end of your junior year (before the start of your seventh semester). Seven of the 10 core courses need to be in English, Math or natural/physical science. The grades in these seven courses will be "locked in," meaning you will not be allowed to retake them to improve your grades.
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the **Division I sliding scale**, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.
- Receive final certification on your amateurism status via the NCAA Eligibility Center

Division II:

If you enroll in a Division II college and want to participate in athletics or receive an athletic scholarship during your first year, you must:










- Graduate high school
- Earn a core course GPA of 2.2 or higher
- Complete 16 core courses:
 - 3 years of English
 - 2 years of Math (Algebra I or higher)
 - 2 years of natural/physical science
 - 1 year must be lab science if your school offers it
 - 3 additional years of English, Math or natural/physical science
 - 2 years of Social Science
 - 4 additional years of English, Math, natural/physical science, social science, foreign language, comparative religion or philosophy
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the **Division II sliding scale**, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.
- Receive final certification on your amateurism status via the NCAA Eligibility Center

Division III:





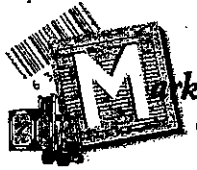

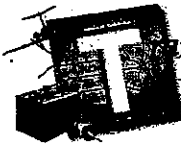
Division III schools do not use the NCAA Initial-Eligibility Clearinghouse. They are responsible for setting their own academic eligibility rules. If you are going to be competing for a DIII institution, there is no reason to register with the NCAA, as they will not be reviewing your academic eligibility. If you are unsure what division level you will be competing at, start with an NCAA Profile page and you can transition to a Certification Account at a later time.



The Sixteen Career Clusters

1  A griculture, Food & Natural Resources	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
2  A rchitecture & Construction	Careers in designing, planning, managing, building, and maintaining the built environment.
3  A rts & A/V Technology & Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
4  B usiness, Management & Administration	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
5  E ducation & Training	Planning, managing, and providing education and training services, and related learning support services.
6  F inance	Planning, services for financial and investment planning, banking, insurance, and business financial management.
7  G overnment & Public Administration	Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.
8  H ealth Science	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
9  H ospitality & Tourism	Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions and recreation events, and travel-related services.

Career Clusters cont.

10  Human Services	Preparing individuals for employment in career pathways that relate to families and human needs.
11  Information Technology	Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.
12  Law, Public Safety, Corrections & Security	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
13  Manufacturing	Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.
14  Marketing, Sales & Service	Planning, managing, and performing marketing activities to reach organizational objectives.
15  Science, Technology, Engineering & Mathematics	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.
16  Transportation, Distribution & Logistics	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

For more information, check with a career counselor at your high school, career technical center, higher education institution, or one-stop career center.

Discover Your Career Personality

The purpose of this career interest survey is to help you discover your "career personality" and some jobs you really might enjoy.

What's a career interest survey? It's a simple self-test. This one is based on the Holland Codes. There are no wrong answers!

The quiz begins on the next page. Take it to discover your interests. Simply follow these steps:

1. Check activities that you like.

In part 1, read through the list of activities. Then check the ones that interest you.

2. Add up your scores.

In part 2, total your scores. You'll begin to see your career personality emerge. It's important to consider your career personality when planning for the future.

3. Evaluate yourself.

In part 3, you may find that you have more than one career personality. That's okay. Most people do.

4. Think about the future.

In part 4, on pages 6 and 7, you will find careers related to your personality. You are not limited to jobs just within your personality group. Check out career choices within the other personality types. You might be surprised at your career options!

What Are Career Clusters?

Some people are interested in health care. Other people are interested in information technology.

Interests like these have been grouped into what's called "Career Clusters." The term describes knowledge, skills, and interests that connect with industries, jobs, and educational programs.

Louisiana groups careers into 16 Career Clusters. This survey and the information that follows relate to jobs in these 16 clusters.

You will find Career Clusters useful as you look for industries, career fields, and jobs you may like or an educational program you may want to pursue.

1 Check Activities You Like.

Place a check by the activities that interest you. Don't worry if you don't know much about them. Right now it's just important to identify the activities that capture your imagination.

- | | |
|---|---|
| <input type="checkbox"/> 1. Save a rainforest or grow organic vegetables
<input type="checkbox"/> 2. Solve complicated math problems
<input type="checkbox"/> 3. Act in a movie, play, or television show
<input type="checkbox"/> 4. Work with people in different cultures and societies
<input type="checkbox"/> 5. Research news stories and do interviews for the evening news
<input type="checkbox"/> 6. Study the economy and predict economic trends
<input type="checkbox"/> 7. Read and use "how-to" manuals
<input type="checkbox"/> 8. Perform science experiments in a laboratory
<input type="checkbox"/> 9. Manage an art gallery
<input type="checkbox"/> 10. Conduct a religious service
<input type="checkbox"/> 11. Bargain with vendors at a flea market
<input type="checkbox"/> 12. Analyze and create statistical graphs and charts
<input type="checkbox"/> 13. Build cabinets or furniture
<input type="checkbox"/> 14. Study the environmental impact of pollution or global warming
<input type="checkbox"/> 15. Write a movie or television script
<input type="checkbox"/> 16. Volunteer to lead a club or scout troop
<input type="checkbox"/> 17. Choose and purchase merchandise to sell in a store
<input type="checkbox"/> 18. Work in a corporate office
<input type="checkbox"/> 19. Operate heavy machinery
<input type="checkbox"/> 20. Play chess or games of strategy
<input type="checkbox"/> 21. Write articles for music, art, or entertainment magazines
<input type="checkbox"/> 22. Organize an event for a charity or community organization
<input type="checkbox"/> 23. Compete with other salespeople in a fast-paced, high-pressure company
<input type="checkbox"/> 24. Design computer programs and/or games | <input type="checkbox"/> 25. Work outdoors patrolling or maintaining a national park
<input type="checkbox"/> 26. Research legal statutes for a lawsuit
<input type="checkbox"/> 27. Play a musical instrument
<input type="checkbox"/> 28. Work with infants or children
<input type="checkbox"/> 29. Run for political office
<input type="checkbox"/> 30. Work an after-school job to save money
<input type="checkbox"/> 31. Set up a home theater system or install a car stereo system
<input type="checkbox"/> 32. Read science fiction
<input type="checkbox"/> 33. Write a short story, play, or novel
<input type="checkbox"/> 34. Host and entertain guests at a party
<input type="checkbox"/> 35. Work in a politician's office
<input type="checkbox"/> 36. Enter information into a computer spreadsheet
<input type="checkbox"/> 37. Build a model of a jet aircraft
<input type="checkbox"/> 38. Study bacteria using an electron microscope and other high-tech equipment
<input type="checkbox"/> 39. Design a new line of clothes
<input type="checkbox"/> 40. Read and discuss a book or poem
<input type="checkbox"/> 41. Sit on a television panel to discuss political or social issues
<input type="checkbox"/> 42. Keep accurate accounting and sales records for a business
<input type="checkbox"/> 43. Repair a car or motorcycle motor
<input type="checkbox"/> 44. Identify different planets, stars, and constellations
<input type="checkbox"/> 45. Create and fire a ceramic pot or vase
<input type="checkbox"/> 46. Work with the elderly
<input type="checkbox"/> 47. Sell products for a portion of the profit
<input type="checkbox"/> 48. Create and oversee a budget for a large company or government agency |
|---|---|

2 Add Up Your Scores.

On the grid below, circle the numbers you checked off. Count the number of circles in each row, and write that total in the blank space at the end of each line. These are your scores for each "career personality" type.

Personality Types									Total
a. REALISTS	1	7	13	19	25	31	37	43	
b. INVESTIGATORS	2	8	14	20	26	32	38	44	
c. ARTISTS	3	9	15	21	27	33	39	45	
d. HELPERS	4	10	16	22	28	34	40	46	
e. ENTERPRISERS	5	11	17	23	29	35	41	47	
f. DETAILERS	6	12	18	24	30	36	42	48	

3 Evaluate Yourself.

In the spaces below, write the names of the two personality types in which you received the highest scores.

HOW CAN KNOWING YOUR PERSONALITY TYPE LEAD YOU TO A SATISFYING CAREER FUTURE? READ ON...

4 Think About The Future.

Look at headlines "a" through "f" at the top of these two pages. Circle the ones that match your top two personality types from page 5. Now, look at the job titles listed below your personality types. Circle jobs you find interesting. Then circle related career clusters. Don't think you're limited only to jobs within your "job personality." For example, if you're a "Helper" with an interest in "Health Science," check out Health Science career options within the other job personality types. You might be surprised at what you find.

Realists typically are focused, rugged, mechanical, and direct. Often athletic, they enjoy working outdoors with tools, animals, and plants. Famous "Realists" include primatologist Jane Goodall, hair stylist Vidal Sassoon, and architect Paul Williams.

Investigator


Investigators are curious and observant, and they like to research, analyze, and solve problems. Many enjoy science and math – working independently and in teams. Famous "Investigators" include physicist and chemist Marie Curie, anthropologist Margaret Mead, and forensic scientist Dr. Henry Lee.

Creative and imaginative, artists often work best in unstructured environments using words, pictures, music, and dance to create products and communicate ideas. Famous "Artists" include dancer Gregory Hines, painter Salvador Dali, and playwright William Shakespeare.

Career Clusters

a. Realist

b. Investigator

	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources. Mining and mineral extraction are included in the Agriculture, Food & Natural Resources cluster.	Animal care technician Farmer, grower Forestry worker	Food scientist Forest ranger Wildlife manager
	Careers in designing, planning, managing, building, and maintaining the built environment.	Builder, carpenter Electrician Plumbing, heating, air conditioning installer	Code inspector Preservationist
	Designing, producing, exhibiting, performing, writing, and publishing multi-media content including visual and performing arts and design, journalism, and entertainment services.	Camera operator Photographer Set designer Performer	Journalist Playwright Researcher
	Business Management & Administration careers encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Business Management & Administration career opportunities are available in every sector of the economy.	Accountant Business manager, entrepreneur Customer support specialist	Acquisitions manager Business analyst Collections clerk Management analyst
	Planning, managing, and providing education and training services, and related learning support services.	Elementary teacher Coach Technology teacher	Curriculum developer Educational researcher School psychologist
	Planning, services for financial and investment planning, banking, insurance, and business financial management.	Claims investigator Loan officer Stock broker	Accountant/auditor Claims examiner Contract administrator Financial officer
	Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration of the local, state, and federal levels.	Elected official Legislative aide Military officer	Military intelligence officer Policy advisor Tax examiner
	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.	Dentist, dental hygienist Home health aide Nurse, nursing assistant Physician, surgeon Therapist, radiologic	Biomedical engineer, technician Medical assistant Technician, laboratory Pharmacist Research scientist
	Hospitality & Tourism encompasses the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel-related services.	Food service worker Recreation worker Tour guide	Food ranger Hotel security officer Night auditor
	Preparing individuals for employment in career pathways that relate to families and human needs.	Hair stylist Home care aide Social services worker	Consumer advocate Credit counselor Patient accounts representative
	Building linkages in IT occupations framework: for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multi-media, and systems integration services.	Network systems engineer/technician Telecommunications technician	Computer security specialist Data systems analyst Information systems and tech Programmer Test engineer
	Planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.	Crime scene investigator Firefighter Police officer	Detective Forensics examiner, technician Fraud investigator
	Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/ process engineering.	Machine operator Industrial maintenance technician Welder	Instrument process control technician Quality control specialist
	Planning, managing, and performing marketing activities to reach organizational objectives.	Buyer Promotion director Shipping/receiving clerk	Manager – brand database forecasting Market researcher
	Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.	Electrical/electronic installer/repairer Engineer, engineering technician	Engineer, engineering technician – environmental facility maintenance industrial
	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.	Automotive, other technician Body repairer – aircraft Automotive driver/pilot	Automotive technician Inspector – aviation, flight Environmental Logistics analyst

c. Artist	d. Helper	e. Enterpriser	f. Detailer
Florist Gardener, landscaper	Agricultural sales agent Animal care technician Farm manager Food, drug inspector	Agricultural sales agent Food broker Food, livestock producer	Bacteriologist, biochemist Food products processor Food, fiber engineer
CAD operator, drafter, designer Landscape architect Painter, paperhanger	Construction foreman, manager General maintenance contractor Interior designer	Architectural firm owner, consultant Contractor - general, maintenance, specialty craft	Building inspector Cost estimator Electrical, power, transmission installer Safety director
Copywriter Creative director Graphic designer Illustrator Media specialist	A/V equipment installer Interior decorator Performing arts coach, conductor, director	Advertising, design, marketing, publishing company owner Events, performing arts, trade show producer	Animator A/V systems technician Graphics, printing equipment operator Web designer
Advertising manager Director - marketing communications Meeting planner	Administrative assistant Fundraising director Human resources manager, recruiter, labor specialist Real estate associate	Business owner, entrepreneur Company president, general manager Marketing manager	Administrative assistant Business analyst Data processor Payroll clerk Purchasing agent
Art teacher Early childhood, elementary teacher Instructional media specialist	Child care specialist Coach School counselor Teacher	Acting, dance, music studio owner, operator Charter school founder, operator Test preparation, learning center franchise owner, operator	Educational researcher Speech-language pathologist, audiologist Test measurement specialist
Business/financial writer Direct marketing media specialist Fundraiser	Customer service representative Debt counselor Financial advisor Investment planner Loan officer	Banker Financial planner Financial manager Treasurer	Accountant/auditor Actuary Financial manager Insurance appraiser
Charitable organization executive Lobbyist Public relations specialist	Elected official Legislative aide Military officer	Ambassador Elected official Military combat operations specialist Policy advisor	Census enumerator Emergency planner Military intelligence officer Vital statistics clerk Zoning administrator
Art, dance, music therapist Athletic trainer Public relations director Plastic surgeon Prosthetist	Home health aide Medical assistant Therapist - physical Psychologist Social worker	Hospital, health agency, laboratory executive director, owner, operator Medical, veterinary practice owner	Biomedical engineer, technician Laboratory technician Medical records manager, coder Pathologist Pharmacist, technician
Cake decorator Catering director Chef Restaurant concept developer, designer	Food service worker Hotel worker Recreation worker Park ranger Tour guide	Amusement park, tourist attraction developer Hotel, motel franchise owner, operator Restaurateur	Banquet manager Hotel executive Supervisor - housekeeping, laundry, maintenance
Activities director Child care facility director, assistant Cosmetologist	Counselor - family, mental health, rehabilitation, substance abuse Psychologist Social worker	Counseling, psychology practice owner Day-care center operator Funeral home director Nonprofit agency director	Emergency management specialist Nutrition counselor
Animator Audiovisual technician Web designer, site developer Webmaster	Computer support specialist Help desk technician Instructional designer Interactive media developer	E-commerce information support services provider Interactive media programmer/ software developer	Computer programmer Computer security specialist Data processing, documentation specialist Network systems analyst
Grant writer, coordinator	Corrections educator, counselor Hazardous materials responder Probation officer	Law firm partner Police patrol officer Private detective, security service	Criminal investigator Immigration, customs inspector Lawyer, paralegal, legal secretary
CAD operator, drafter, designer Product developer, designer	First-line manager, supervisor Quality control specialist	Labor relations manager Manufacturing executive, supervisor Medical appliance, optical goods maker	Failure analyst Industrial maintenance technician Machine tool operator Quality engineer
Catalog developer Designer - fashion, floral, interior, packaging Manager - e-merchandising, sales promotion	Client relationship manager Customer support specialist Field representative Regional sales manager	Business development manager Buyer Merchandising manager Product developer	Manager - forecasting, fulfillment, inventory Logistics analyst Marketing researcher Statistician
A/V equipment technician Engineer, engineering technician - broadcast Medical illustrator Technical writer	Environmental scientist Maintenance, repair technician Laboratory technician Medical researcher Oceanographer	Engineering firm owner, consultant Medical research laboratory operator	Electrical, electronic installer, repairer, technician Engineer - industrial, health and safety, maintenance
Facility architect, designer Urban, regional planner	Cashier, counter clerk Customer service representative Driver Flight attendant Logistics, warehouse manager	Consultant - airfield operations, logistics Government executive Manager - customer service, logistics, warehouse	Air traffic controller Dispatcher - air, rail Inspector - aviation, freight Packer

d. Helper

Do you enjoy helping people? Most "Helpers" enjoy working with others, both individually and in groups. Famous "Helpers" include civil rights leader Martin Luther King, Jr., humanitarian Mother Teresa, and the first black president of South Africa Nelson Mandela.

e. Enterpriser

Do you have strong leadership skills, like to compete, take risks, and persuade others? Enterprisers have both social and hands-on skills. Famous "Enterprisers" include Microsoft co-founder Bill Gates, U.S. President Barack Obama, and TV personality Rachael Ray.

f. Detailer

Detailers analyze numbers and facts, pay careful attention to details, and tend to be structured. Famous "Detailers" include the first female engineer Lillian Gilbreth, inventor of the first practical telephone Alexander Graham Bell, and FBI director J. Edgar Hoover.



Zachary High School

Jump Start Graduation Pathways



Universal Jump Start Classes					The following classes DO NOT count towards any pathway: Any BAND Any CHOIR *** Statewide Credential
JROTC III	Career Readiness	Ed for Careers I/II	First Responder	COE/DECA	
JROTC IV	Keyboarding	Journey to Careers	Comp Tech Lit	Speech I	
IBCA / BCA	Technical Math	Princ of Business	Workplace Safety	Agriscience I	
Accounting	Princ of Marketing	Entrepreneurship	CTE Internship	Law Studies	
Ag Leadership	Customer Service	Personal Finance	Quest for Success	Agribusiness	
Pathway	Courses specific to a Pathway			Credentials	
NCCER Carpentry	<ul style="list-style-type: none"> • NCCER Carpentry I & II • Agriscience I, II & III • NCCER Electrical I & II • NCCER Welding I & II • Chemistry 			<ul style="list-style-type: none"> • NCCER Carpentry Level I or II*** • NCCER Core • OSHA-10 • CPR/First Aid 	
NCCER Welding	<ul style="list-style-type: none"> • NCCER Welding I & II • Agriscience I, II & III • NCCER Carpentry I & II • NCCER Electrical I & II • Chemistry 			<ul style="list-style-type: none"> • NCCER Welding Level I or II*** • NCCER Core • OSHA-10 • CPR/First Aid 	
NCCER Electrical	<ul style="list-style-type: none"> • NCCER Electrical I & II • Agriscience I, II & III • NCCER Carpentry I & II • NCCER Welding I & II • Chemistry 			<ul style="list-style-type: none"> • NCCER Electrical I or II*** • NCCER Core • OSHA-10 • CPR/First Aid 	
Workplace Safety	<ul style="list-style-type: none"> • Workplace Safety • Agriscience I, II & III • NCCER Carpentry I & II • NCCER Electrical I & II • NCCER Welding I & II • Intro to Yearbook & NP—Desktop Publishing • Chemistry 			<ul style="list-style-type: none"> • NCCER Core • CPR/First Aid • OSHA-10 (Must earn all three)	
Agriculture Tech	<ul style="list-style-type: none"> • Agriscience I, II & III <u>OR</u> Entrepreneurship • NCCER Carpentry I & II • NCCER Electrical I & II • NCCER Welding I & II • Computer Architecture II & III • Intro to Yearbook & NP—Desktop Publishing • Chemistry 			<ul style="list-style-type: none"> • LA Agritechnology Exam*** <u>OR</u> Micro-Ent Reg • Customer Service • NCCER Core • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary • ServSafe Food Handler 	
Business Management	<ul style="list-style-type: none"> • Customer Service <u>OR</u> Entrepreneurship • Media Arts I – IV • Digital Media II - IV • Arch Graph Arts • Web Design • Intro to Yearbook & NP—Desktop Publishing • Principles of 3D Design • Digital Photo / Digital Video • Hosp & Tour/Lodging • Medical Occupations • Medical Terms I • NCCER Core 			<ul style="list-style-type: none"> • Customer Service <u>OR</u> Micro-Enterprise Reg • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary 	
ProStart	<ul style="list-style-type: none"> • ProStart I & II • FACS I & II • Nutrition & Food • Hosp & Tour/Lodging • Web Design • Intro to Yearbook & NP—Desktop Publishing • Chemistry 			<ul style="list-style-type: none"> • ProStart *** <u>AND</u> ServSafe Mgr*** • ProStart <u>AND</u> ServSafe Food Handler • Customer Service • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary • ServSafe Food Handler 	

Hospitality, Tourism, Culinary, & Retail (HTCR or Customer Service)	<ul style="list-style-type: none"> • Customer Service OR Entrepreneurship • ProStart I & II • FACS I & II • French I OR Spanish I • Nutrition & Food • Hosp & Tour/Lodging • Web Design • Intro to Yearbook & NP—Desktop Publishing • Digital Media II & III • Chemistry 	<ul style="list-style-type: none"> • Customer Service OR ServSafe Mgr OR Micro-Enterprise Regional • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Certified Front Desk Attendant • Certified Guestroom Attendant • Micro-Enterprise complementary • ServSafe Food Handler
Cyber Engineering OR Digital Media and Entertainment Technology	<ul style="list-style-type: none"> • Digital Media II OR Entrepreneurship OR Comp Architecture I & II • Media Arts I - IV • Digital Media II - IV • Art I & II, AP Studio Art 2D • Talented Art I – IV • Theatre I • Tech Theatre I – IV • Principles of 3D Design • Arch Graph Arts • Web Design • Digital Video • Publications I & II • Computer Architecture I - IV • Intro to Yearbook & NP—Desktop Publishing • Journalism I & II • NCCER Electrical I & II • Chemistry • Physics 	<ul style="list-style-type: none"> • Adobe Certified Associate*** OR Micro-Enterprise Regional OR Comp TIA A+*** OR Comp TIA Network+*** • Customer Service • CPR/First Aid • NCCER Core • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary
Micro-Enterprise	<ul style="list-style-type: none"> • Entrepreneurship • Media Arts I - IV • Digital Media II - IV • Arch Graph Arts • Intro to Yearbook & NP—Desktop Publishing • Web Design • Digital Photo / Digital Video • Hosp & Tour/Lodging • Medical Occupations • Medical Terms I • NCCER Core • Chemistry 	<ul style="list-style-type: none"> • Micro-Enterprise Statewide*** OR Micro-Enterprise Regional • Customer Service • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional
Emergency Medical Tech OR Certified Nursing Assistant OR Health Sciences— Patient Care & Mgmt	<ul style="list-style-type: none"> • First Responder OR CNA OR Entrepreneurship • Sports Med I/II, III • Medical Occupations • Medical Terms I • Child Development • Nutrition & Food • Anatomy & Physiology • Forensics • AHEC 	<ul style="list-style-type: none"> • Emergency Medical Responder*** OR Certified Nursing Assistant*** OR Micro-Enterprise Reg OR ServSafe Mgr • Customer Service • CPR/First Aid • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary
STEM: Science, Technology, Engineering, & Math	<ul style="list-style-type: none"> • Entrepreneurship • NCCER Carpentry I & II • NCCER Electrical I & II • NCCER Welding I & II • NCCER Core • Tech Theatre I • Intro to Yearbook & NP—Desktop Publishing • Web Design • Publications I & II • Journalism I & II • Computer Architecture I – IV • Digital Media II – IV • Principles of 3D Design • Chemistry, Physics 	<ul style="list-style-type: none"> • Micro-Enterprise Reg OR Helper modules • Customer Service • CPR/First Aid • NCCER Core • OSHA-10 • MOS Word, PowerPoint, or Excel • ACT WorkKeys Silver, Gold, or Platinum • Certified Guest Service Professional • Micro-Enterprise complementary

Standard, Honors, Dual Enrollment, and AP Course Comparison

Standard Course	Honors Level and DE Courses	Advanced Placement (AP) Course
<ul style="list-style-type: none"> Counts as high school credit. 4 Quality Points Standard grading scale <ul style="list-style-type: none"> A = 100 – 93 B = 92 – 85 C = 84 – 75 D = 74 – 67 F = 66 – 0 	<ul style="list-style-type: none"> Counts as high school credit. 4.5 Quality Points Standard grading scale <ul style="list-style-type: none"> A = 100 – 93 B = 92 – 85 C = 84 – 75 D = 74 – 67 F = 66 – 0 	<ul style="list-style-type: none"> Counts as high school credit. 5 Quality Points Standard grading scale Equates to a first-year college-level course. Students will take the AP exam at the end of the course, which may enable the student to earn college credit.
<ul style="list-style-type: none"> Summer assignments are typically required for English classes. 	<ul style="list-style-type: none"> Summer assignments are typically required 	<ul style="list-style-type: none"> Will require a summer assignment.
<ul style="list-style-type: none"> Covers minimum curriculum standards. 	<ul style="list-style-type: none"> Covers the same curriculum as standard courses, but is tailored for high-achieving students. Covers additional topics and covers some topics in greater depth. Requires more critical thinking skills and the ability to apply knowledge of the material learned. 	<ul style="list-style-type: none"> Course curriculum is developed by a College Board committee; covers the information, skills, and assignments found in the corresponding college course. Students are consistently held to standards that go beyond minimal expectations, as a way to prepare students for real-world demands and those in a collegiate setting.
<ul style="list-style-type: none"> Taught in a traditional manner; primarily direct instruction by the teacher. Students are provided a high school textbook and supplemental readings. 	<ul style="list-style-type: none"> Taught in a traditional manner; primarily direct instruction, but moves at a faster pace, so more material is typically covered and in greater depth. Requires some independent learning and work on the student's part. Students are expected to be able to read and write at an advanced level. Students are provided a high school textbook and supplemental readings. 	<ul style="list-style-type: none"> Taught in a manner similar to that of a college course. The teacher's role is primarily the facilitator of learning. Requires more independent learning and work on the student's part. Students are generally self-motivated. The focus is not on memorizing facts and figures; instead, students are expected to engage in intense discussions, solve problems collaboratively, and write clearly and persuasively. Students are provided a college-level textbook and supplemental readings.

Standard Course	Honors-level and DE Courses	Advanced Placement (AP) Course
<ul style="list-style-type: none"> Allows the student to demonstrate basic knowledge of course material. 	<ul style="list-style-type: none"> Has been shown to improve students' ACT and EOC scores by increasing content knowledge. 	<ul style="list-style-type: none"> Has been shown to improve students' ACT and EOC scores by increasing content knowledge. Helps sharpen writing skills, problem-solving abilities, and study habits, which are vital to success in college. Research shows that AP students are more likely to graduate from college in four years.
<ul style="list-style-type: none"> Homework is assigned regularly and is typically collected for a grade. Students complete homework generally in order to maintain a grade, in addition to reinforcing information covered in class. 	<ul style="list-style-type: none"> Homework is assigned, but not all may be graded or collected. May have fewer grades per grading period, meaning that content assessments make up the majority of a student's grade. The purpose of homework is to reinforce classroom activities and fill gaps in knowledge. Students may be tested on information not specifically covered during class time, but included in assigned readings. 	<ul style="list-style-type: none"> Homework is assigned, but not all may be collected or graded. May have fewer grades per grading period, meaning that content assessments make up the majority of a student's grade. The purpose of homework is to reinforce classroom activities and fill gaps in knowledge. Students may be tested on information not specifically covered during class time, but included in assigned readings.

Zachary High School

JPAMS Parent Command Center



Parent Command Center is the web-based portion of our JPAMS Gradebook that allows parents to login securely and view information about their child's current grades, absences & tardies, discipline, transcript, and standardized test scores.

- Go to zacharyschools.org and scroll to "Login" in the top right corner.
- Scroll down to "Parent Command Center."

OR:

- Go to zacharyhigh.org and scroll to "Quicklinks."
- Scroll down to "Parent Command Center."
- Click on Register New User and fill in the required fields.

Creating a new account:

- Type the PARENT/GUARDIAN information as reported to the school.
- The PSN Number is the last 5 digits of the student's social security number.
- Choose a secure username and password.
- After registering, parents will access information by using their username and password.

Register New User

Step 1: Verification

NOTE: All information below is asking for PARENT/GUARDIAN information, please enter all information about the PARENT/GUARDIAN registering the account. The PSN number will be provided by the student's school.

Relationship : Required

Last Name : Required

First Name :

Middle Name :

PSN Number : Required

Street Address :

Address Line 2 : APT, Lot, Suite

City :

State :

Zip :

- Once you have logged in, click on your child's picture.
- Click on Grade at the top to see your child's current grades.
- Click on the other headings to see absences & tardies, discipline record, unofficial transcript, and standardized test scores.

Grade	Calendar	Attendance	Discipline	Transcript	Test	Communication
<div style="display: flex;"> <div style="flex: 1;"> </div> <div style="flex: 2;"> <p>School Name : <input type="text"/></p> <p>Sidno : <input type="text"/> Grade : <input type="text"/></p> <p>Homeroom : <input type="text"/> Year : <input type="text" value="1718"/></p> <p>Birthdate : <input type="text"/></p> <div style="display: flex; justify-content: space-around;"> <div>Club : <input type="text"/></div> <div>Sport : <input type="text"/></div> </div> </div> </div>						
0	0	\$0.00	0			
Today	Next 7 Days	Total Fees	Unread Notes			
New Work	Work Due	Fees Due	Notes			

Moodle Instructions



Moodle is an online course management system that provides a secure environment for teachers to post information about their course including homework, upcoming test dates, resources, syllabus, and handouts. Moodle also has many built-in tools that provide teachers a way to reinforce lessons through technology based activities such as discussion forums, online quizzes, and journals. Each student's account will only display their specific courses. Please have your child check his/her Moodle pages regularly.

- Go to zacharyschools.org and scroll to "Login" in the top right corner.
- Scroll down to "Moodle 2.5."

OR:

- Go to zacharyhigh.org and scroll to "Quicklinks."
- Scroll down to "Moodle."
- Click on "Log in" in the top right corner.

- Once you have logged in, scroll down to Zachary High and click on the department needed.
- Scroll to find your course and teacher and click on the name.
- Click "Enroll me."

- ▼ Zachary High (1)
 - ▷ Administration (4)
 - ▷ Business Department (8)
 - ▷ Electives (31)
 - ▷ English Department (34)
 - ▷ Foreign Language Department (12)
 - ▷ Freshman Academy
 - ▷ Music & Dramatic Arts Department (7)
 - ▷ Math Department (25)
 - ▷ Physical Education Department (4)
 - ▷ Science Department (28)
 - ▷ Social Studies Department (28)
 - ▷ Student Support Services (10)
 - ▷ Class Room (2)

Creating a new account:

- Click on "Create new account" in the bottom right corner.
- Choose your username and password and complete the other required information.
- Click on "Create my new account."

- Once you have enrolled in all your current courses, click on "My Courses" to see your courses listed.

Scheduling Information

- Your selections determine what courses will be offered to students in the master schedule.
- Students are expected to select classes carefully and to maintain a firm commitment to continue enrollment in their classes.
- Course changes will not be made to accommodate extra-curricular schedules, personal preferences, teacher preferences, or period preferences.

Taken from page A25 in our student planner:

Withdrawal from Honors and/or Advanced Placement courses:

- Students with a C or higher in the class are expected to remain in the class for the full school year.
- Students with a D or F at the end of the first semester must have an administrator's approval to withdraw from the course.

TOPS Scholarships

	Minimum ACT Score	Minimum TOPS Core GPA
TOPS University	20	2.5
TOPS Tech	17 or Silver on ACT WorkKeys	2.5

Course Descriptions

ENGLISH & LANGUAGE ARTS

ENGLISH I (1.0 credit)

120331

This course is designed to help students increase and refine their reading, writing, speaking, and listening skills. Students read a wide variety of literary and informational texts, using a wide variety of literacy strategies. Students learn to write competently in response to texts for a variety of purposes and audiences. The curriculum places heavy emphasis on Louisiana Student Standards for ELA at this grade level, as well as national College and Career Readiness Standards (assessed by ACT). Special emphasis is placed on literary analysis and narrative writing. LEAP 2025 exam is required by the state.

Prerequisite(s): None

ENGLISH I, Honors (1.0 credit)

120331

This Pre-Advanced Placement level course is designed to help students increase and refine their reading, writing, and listening skills. To be successful, students will read, comprehend, and respond to a wide range of materials using a variety of strategies for different purposes. The students will write competently for a variety of purposes and audiences and use correct English grammar both in speech and written form. In addition, the curriculum places heavy emphasis on Louisiana Student Standards for ELA at this grade level, as well as national College and Career Readiness Standards (assessed by ACT). The course foment higher order thinking skills and emphasizes both literary and rhetorical analysis skills that students will need when entering Advanced Placement courses as upperclassmen. LEAP 2025 exam is required by the state.

Prerequisite(s): Cumulative grades in 7th and 8th grade English and standardized test scores will be used to identify qualifying students

ENGLISH I, Gifted (1.0 credit)

120331

English I Gifted is designed to sharpen reading comprehension, written and verbal communication, and critical thinking skills. In addition to the 9th grade ELA curriculum, English I for gifted learners uses the broad topic of human experience as a unifying device to organize content for differentiation and rigor. The course is divided into five units, each of which focuses on reading, writing, and language. Students will also investigate and analyze how reading, writing, and language have historically reflected and contributed to understandings of culture, community, self, and society. Students will read, analyze, and compose a range of texts in order to improve their individual depth and breadth of knowledge and skill in the ELA discipline. Texts have been selected from classic canons, as well as the Advanced Placement and LA State Standards recommended reading lists for their ability to bear close examination and reexamination. LEAP 2025 exam is required by the state.

Prerequisite(s): Cumulative grades in 7th and 8th grade English; Student must be formally screened and identified as needing Gifted/Talented services

ENGLISH II (1.0 credit)

120332

This course focuses on various genres of literature—the short story, nonfiction, poetry, drama, the novel, and writing. As students encounter these literary forms, they begin to understand story elements and literary devices associated with selections being read. Students interpret the possible influences of the historical context on a literary work. The curriculum places heavy emphasis on Louisiana Student Standards for ELA at this grade level, as well as national College and Career Readiness Standards (assessed by ACT). Special emphasis is placed on literary analysis and narrative writing. Students will plan, draft, and complete written compositions on a regular basis. English II expounds upon the 6+1 traits of writing and focuses on clarity, engaging language, and the correct use of the conventions and mechanics of written English. LEAP 2025 exam is required by the state.

Prerequisite(s): English I

ENGLISH II, Honors (1.0 credit)

120332

This Pre-Advanced Placement level course is an accelerated course that focuses on applying a variety of in-depth reading and comprehension strategies to analyze theme across the various genres of literature, including the short story, nonfiction, poetry, drama, and novels. Students are expected to think critically in order to provide responses to texts supported by evidence from the texts. Students must also identify and interpret the effects of literary elements and devices while incorporating these devices into their own written work and group projects. This course focuses on writing as a pathway towards insight, reflection, and analysis. All activities are based on authentic purposes for oral and written communication and require the application of critical literacy skills and a variety of literacy strategies. Grammar, usage, and mechanics instruction also occurs within the context of the literary selections. LEAP 2025 exam is required by the state.

Prerequisite(s): A or B in English I and/or teacher recommendation; standardized test scores

ENGLISH II, Gifted (1.0 credit)

120332

English II prepares students to become critical readers and thoughtful writers through the close and careful study of various genres of literature, including short stories, essays, poetry, drama, and novels. In addition to the thematic framework that structures the 10th grade English Language Arts curriculum, English II for gifted learners takes the broad topic of "Shifting Perspectives" as a unifying device to organize supplementary content for differentiation and acceleration. Divided into five units, each with an emphasis on literary analysis, research, and writing, the course will interrogate the ways in which literature and language have drawn on and contributed to changes in theoretical, scholarly, and popular thought. Students will develop a breadth and depth of ELA knowledge as they read from the rich canon of world literature. Texts are selected from the Advanced Placement and the LA State Standards recommended reading lists for their ability to bear close examination and reexamination. Composition assignments are chosen to give students an opportunity to demonstrate critical thinking skills and participate in real-world conversations as young professionals. LEAP 2025 exam is required by the state.

Prerequisite(s): A or B in English I and/or teacher recommendation; Student must be formally screened and identified as needing Gifted/Talented services

BUSINESS ENGLISH (1.0 credit)

120336

This course is designed for juniors who wish to pursue a curriculum which encompasses the study of life skills. Students will study common business applications, such as the reading and writing of letters, emails, brochures, articles, books, and reports. Students will develop skills in the practical principles of grammar, punctuation, and vocabulary needed in the business world.

Prerequisite(s): English II; Open to 11th grade students on the Jump Start pathway

ENGLISH III: American Literature (1.0 credit)

120333

This course focuses on the analysis of multiple genres of literature presented in the historical context of seven major time periods of the United States, from its earliest stages of development to modern times. Students are expected to analyze a wide variety of literary and informational texts, making cross-textual connections with selections outside the era of focus. Students are required to implement a variety of reading and comprehension strategies, to write responses of varying lengths for a variety of purposes, to enhance vocabulary acquisition in isolation and in the context of literature, to refine basic grammar and usage skills, and to hone public speaking and presentation skills. In addition, the curriculum places heavy emphasis on mastery of LA State Standards for ELA at the 11-12 grade level, as well as national College and Career Readiness Standards (assessed by ACT).

Prerequisite(s): English II

ENGLISH III, Honors (1.0 credit)

120341

Like the standard English III course, this course focuses on the analysis of multiple genres of literature presented in the historical context of seven major time periods of the United States, from its earliest stages of development to modern times. Students are required to implement a variety of reading and comprehension strategies, to write responses of varying lengths for a variety of purposes, to enhance vocabulary acquisition in isolation and in the context of literature, to refine basic grammar and usage skills, and to hone public speaking and presentation skills. However, students in this accelerated class are required to function at a much higher level of performance. Heightened critical analysis skills are essential for outside reading assignments, multi-modal assessments, and more stringent writing criteria. This course provides training required for success in English IV-AP and English IV-DE.

Prerequisite(s): A or B in English II and/or teacher recommendation; standardized test scores

ENGLISH III, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

120325

This course has a dual focus: preparing for the AP English Language and Composition exam and exploring American Literature from the 17th century until the present. In keeping with the College Board's *AP English Course Description*, our focus will be on rhetoric: the art of analyzing, deconstructing, constructing, and presenting arguments in speech and in writing. Our readings will include essays, novels, speeches, poems, and personal narratives by a diverse group of authors who were writing for varied purposes and audiences. In reading and critically analyzing these non-fiction, fiction, and poetry texts, the guiding principle is that all literature is rhetoric. In examining these texts, students will be investigating several central questions regarding American cultural identity, as well as learning how to analyze and craft well-developed, well-supported, persuasive arguments in their own writing. Writing assignments and projects will be varied and will enable students to develop proficiency in the narrative, expository, descriptive, and persuasive modes. As part of common assessment for all high school juniors, the curriculum places significant emphasis on national College and Career Readiness Standards (assessed by ACT). Ultimately, students are expected to take the AP English Language and Composition exam to earn advanced college credit.

Prerequisite(s): English II

ENGLISH III, Advanced Placement & Gifted (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

120325

This course is a college-level course that introduces students to a wide range of expository prose in order to broaden their scope of rhetorical ideas and deepen their awareness of the power of language, while also exploring the major literary movements and authors in American literature from the 17th century to the present. In keeping with the College Board's *AP English Course Description*, the predominant focus will be on rhetoric: the art of analyzing, deconstructing, constructing, and presenting arguments in speech and

writing. Our readings will include essays, speeches, narratives, novels, drama, and poetry by a diverse group of authors who were writing for varied purposes and audiences. In examining these texts, students will be investigating several central questions regarding American cultural identity, as well as learning how to analyze and craft well-developed and well-supported persuasive arguments in their own writing. The course is designed to meet the rigorous requirements of a college level writing class, and students will write extensively in a variety of modes for a variety of audiences, developing a sense of personal style and an ability to analyze and articulate how the resources of language operate in any given text. The curriculum also places significant emphasis on national College and Career Readiness Standards (assessed by the ACT). Students are expected to take the AP English Language and Composition exam in May.

Prerequisite(s): English II; A student must be formally screened and identified as needing Gifted/Talented services

TECHNICAL WRITING (1.0 credit)

120350

This course is designed for seniors who wish to pursue a curriculum which encompasses the study of life skills. Students are presented with meaningful vocabulary, as well as insight into time management and financial tactics. In the second semester of the course, students will encounter the study of transcendentalism and a further study of English grammar. A year-long project, **Windows to the World**, requires the student to track a mentor throughout the school year, reporting monthly on different aspects of the field of interest.

Prerequisite(s): English III or Business English; Open to 12th grade students on the Jump Start pathway

ENGLISH IV: British and World Literature (1.0 credit)

120334

This course is a survey course of British Literature that provides a broad overview of literary and cultural development from the Anglo-Saxon period through the twentieth century. English IV students will read extensively from multiple genres of literature of major writers. Concepts covered in this course include proficiency in producing writing specific to audience and purpose; developing communication skills; disseminating and synthesizing print, non-print, and technological sources; completing oral and written presentations; and sustaining mastery of grammar, mechanics, and usage of standard English in both written and oral form. Lastly, all English IV students are required to be active participants in the **Windows to the World** senior project which will require a research paper, job shadowing, interviews, and a culminating presentation.

Prerequisite(s): English III

ENGLISH IV, 101 Dual Enrollment (1.0 credit)

120606

English IV 101 Dual Enrollment provides students the opportunity to earn three hours of college credit through our partnership with Southeastern Louisiana University (SLU). Over course of the school year, students write five essays according to guidelines provided by SLU. This is an accelerated English IV course that requires students to function at a much higher level of performance. Heightened critical analysis skills are essential for outside reading assignments, multi-modal assessments, and more stringent writing criteria. In addition to meeting the writing requirements of SLU's own English 101 course, English IV 101 Dual Enrollment is also a survey course of British Literature that provides a broad overview of literary and cultural development from the Anglo-Saxon period through the twentieth century. Students will read extensively from multiple genres of literature of major writers. Concepts covered in this course include proficiency in producing writing specific to audience and purpose; disseminating and synthesizing print, non-print, and technological sources; completing oral and written presentations; analyzing and evaluating the history of the English language, its literature, and its various literary genres; and sustaining mastery of grammar, mechanics, and usage of standard English in both written and oral form. Lastly, all English IV students are required to be active participants in the **Windows to the World** senior project, which will require a research paper, job shadowing and interviews, as well as creating a presentation and a product.

Prerequisite(s): ACT composite score of 19 or higher and ACT sub-score of 18 or higher in English and a cumulative GPA of 2.5 or higher.

ENGLISH IV, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

120326

The English IV AP class prepares students for the Advanced Placement English Literature and Composition Exam that takes place at the end of the year and qualifies students who earn a passing score for college credit. This course focuses on how to read and write about literature analytically and is considered to be a college-level English course; however, the student does not need to be college-ready at the beginning of the year. Students will be taught the necessary reading, writing, and test-taking skills early in the semester with ongoing, guided reinforcement throughout the year. Students are expected to take the AP exam in May. As a senior English course, this class also participates in the **Windows to the World** job-shadowing and career research project.

Prerequisite(s): English III

MATHEMATICS

ALGEBRA I (1.0 credit)

160321

This course focuses on developing a rich understanding of fundamental algebraic ideas in realistic settings. Students should have competence in basic numerical operations. Students explore data, the patterns formed by data, and the mathematical relations and functions that represent data. Topics studied include ratio, proportional reasoning, estimation, exponents and radicals, the rectangular coordinate system, first degree equations and inequalities, variables, operations and properties of real numbers, equivalent expressions and equations solving and graphing linear equations and inequalities; linear systems. Special emphasis is placed on developing an understanding of functions. Applications, geometry & statistics are used to develop the algebra of linear equations and inequalities; matrices and probability concepts are studied in conjunction with algebraic fractions. LEAP 2025 exam is required by the state.

Prerequisite(s): None

ALGEBRA I, Honors (1.0 credit)

160321

This is an accelerated course in Algebra I. Topics studied include ratio, proportional reasoning, exponents and radicals, the rectangular coordinate system, first degree equations and inequalities, variables, operations and properties of real numbers, equivalent expressions and equations solving and graphing linear equations and inequalities, and linear systems. Special emphasis is placed on developing an understanding of functions. Applications, geometry & statistics are used to develop the algebra of linear equations and inequalities; matrices and probability concepts are studied in conjunction with algebraic fractions. LEAP 2025 exam is required by the state.

Prerequisite(s): Cumulative grades in 7th and 8th grade math courses and standardized test scores will be used to identify qualifying students

BUSINESS MATH (1.0 credit)

040307

This course focuses on how businesses function through mathematical applications. Topics include basic Geometry and other business concepts such as fractions, ratios, purchasing, sales, and accounting.

Prerequisite(s): Successful completion of Algebra I; Recommended for students on the Jump Start pathway

GEOMETRY (1.0 credit)

160323

Geometry focuses on the study of visual concepts. Students utilize inductive reasoning to discover patterns and make conjectures; students employ deductive reasoning to confirm conjectures through proof. Topics include measurement formulas; geometric and spatial visualization; drawing skills; properties of congruence, similarity, parallelism, and perpendicularity; different methods of proof; properties of plane and solid figures; and different approaches to geometry, such as transformational, synthetic, coordinate, and vector approaches. Geometry provides unifying concepts that are used throughout high school mathematics. LEAP 2025 exam is required by the state.

Prerequisite(s): Algebra I

GEOMETRY, Honors (1.0 credit)

160323

This is an accelerated course in Geometry which focuses on the study of visual concepts. Students utilize inductive reasoning to discover patterns and make conjectures; students employ deductive reasoning to confirm conjectures through proof. Topics include measurement formulas; geometric and spatial visualization; drawing skills; properties of congruence, similarity, parallelism, and perpendicularity; different methods of proof; properties of plane and solid figures; and different approaches to geometry, such as transformational, synthetic, coordinate, and vector approaches. Geometry provides unifying concepts that are used throughout high school mathematics. LEAP 2025 exam is required by the state.

Prerequisite(s): A or B in Algebra I and/or teacher recommendation; standardized test scores

MATH ESSENTIALS (1.0 credit)

160351

In this course, students will extend their knowledge of topics covered in Algebra I and Geometry (or Business Math). Course topics include ratio and proportion, probability, statistics, geometry visualization, linear functions, stepwise, piecewise, absolute value functions, and quadratic functions.

Prerequisite(s): Algebra I and Geometry/Business Math; Recommended for students on the Jump Start pathway

ALGEBRA II (1.0 credit)

160322

This course provides an avenue for sharpening the understanding of algebraic concepts introduced in Algebra I and geometry and for extending the use of functions as models for real-world situations. Topics include the algebraic study of variables, linear, quadratic functions, quadratics, complex numbers, absolute value systems of linear equations in application, quadratic equations and inequalities, polynomials, factoring, rational and radical expressions, and graphing equations on a number line as well as on a coordinate system. Students explore algebraic expressions, linear, quadratics, powers (polynomials) and roots, and exponential functions.

Prerequisite(s): Geometry; May be taken concurrently with Geometry only with administrative approval

- ALGEBRA II, Honors** (1.0 credit) 160322
 This is an accelerated course in Algebra II. Some conic sections are introduced as well as logarithms in addition to what is covered in the regular Algebra II class.
Prerequisite(s): A or B in Geometry and/or teacher recommendation; May be taken concurrently with Geometry only with administrative approval; standardized test scores
- FINANCIAL LITERACY** (1.0 credit) 160345
 Students will turn mathematical concepts into concrete applications. Students will apply mathematics to concepts of personal finance such as gross pay, net pay, checking and savings accounts, cash and credit purchases, investing and insurance.
*Prerequisite(s): Recommended for students on the **Jump Start** pathway*
- ALGEBRA III** (1.0 credit) 160375
 This course is meant to prepare students for higher level math courses such as College Algebra. We will review many of the concepts from Algebra II while working to build strong thinking and reasoning skills which are necessary to survival, not only in college, but also in most careers. Students will solidify topics learned in Algebra II, while focusing on work with many types of functions such as polynomial, rational, radical, exponential, and logarithmic. Modeling real-life problems and fitting data to those models will be an integral component of this course. This course will give students the work needed in preparation for College Algebra.
Prerequisite(s): Algebra II
- PRE-CALCULUS** (1.0 credit) (formerly Advanced Math) 160348
 This course is a college preparatory course that covers pre-calculus topics, emphasizing in-depth study of trigonometry, coordinate geometry, number theory and functions, including polynomial, rational, exponential and logarithmic functions.
Prerequisite(s): A, B, or C in Algebra II
- PRE-CALCULUS, Honors** (1.0 credit) (formerly Advanced Math, Honors) 160366
 This is an accelerated course for college-bound students who do not opt for the Adv Math DE course, but still want the challenge of an honors course. This course covers pre-calculus topics, emphasizing in-depth study of trigonometry, coordinate geometry, number theory and functions, including polynomial, rational, exponential and logarithmic functions, but at a more challenging level & pace.
Prerequisite(s): A or B in Algebra II and/or teacher recommendation; standardized test scores
- PRE-CALCULUS, Dual Enrollment** (1.0 credit) (formerly Advanced Math DE) 160502
 This covers both college algebra (first semester) and trig (second semester) for **college credit**. These are the same topics covered in Advanced Math Honors. Students will earn 6 hours of college credit for successfully completing both semesters of this course.
Prerequisite(s): 11th or 12th graders only and must have the following: ACT Composite score of 19 or higher, ACT Math sub-score of 19 or higher, ACT English sub-score of 18 or higher, AND a cumulative GPA of 2.5 or higher.
- PROBABILITY & STATISTICS, Advanced Placement** (1.0 credit) Fee: \$95 AP exam fee (Due 10/29/20) 160352
 This course covers fundamental and advanced topics including the counting principle, probability distribution, and statistical analysis of data. Both descriptive and inferential statistics are covered. This high school course is designed for students who can move at a faster pace and tackle more complex problems. This course prepares students for the Advanced Placement exam and possible advanced placement in college math courses.
Prerequisite: None, but recommended for students who have completed Geometry and can be taken in conjunction with Algebra II, Advanced Math, or Calculus. It can also be used as a fourth math for Seniors.
- CALCULUS AB, Advanced Placement** (1.0 credit) Fee: \$95 AP exam fee (Due 10/29/20) 160327
 Topics include properties of functions, limits of functions, continuity, differentiation, applications of differentiation, integration, applications of integration, differential equations, inverse trigonometric functions, and integration techniques. This high school course covers topics from the first semester college calculus course, but is taught over a full year. This course is recommended for students intending to major in STEM careers (engineering, computers, mathematics and some medical careers). This course prepares students for the Advanced Placement exam and possible advanced placement in college math courses.
Prerequisite(s): Advanced Math
- CALCULUS BC, Advanced Placement** (1.0 credit) Fee: \$95 AP exam fee (Due 10/29/20) 160328
 This high school course covers topics from both the first and second semesters of college calculus. It is taught at a regular college pace. Topics include properties of functions, limits of functions, differentiation and their applications, integration and their applications, differential equations, inverse trigonometric function and integration techniques. Calculus BC will include a more in-depth study of limits, derivatives, differential equations, and infinite series. It will also include the study of parametric equations, polar coordinates and infinite sequences. This course assists students in preparing for the AP exam and possible advanced placement in college math courses.
Prerequisite(s): Calculus AB (AP) or Advanced Math with teacher recommendation

SCIENCE

PHYSICAL SCIENCE (1.0 credit)

150802

This is an introductory science course and is the basis for further study of physics, chemistry, biology, earth science, and other sciences. This course involves the investigation of forces, motion, work and energy, the structure and properties of matter, chemical reactions in a laboratory setting, and the interrelationship of matter and energy in the physical world. Students will be writing hypotheses and procedures for experiments and learning to analyze their results to gather evidence for conclusions. Mathematical skills through pre-algebra are used in problem solving. Moderate workload can be expected through projects/assignments requiring out of class effort.

Prerequisite(s): None

PHYSICAL SCIENCE, Honors (1.0 credit)

150802

This is an accelerated Physical Science course. In addition to the topics listed above, students will need math skills beyond pre-algebra. Students will move at an accelerated pace and will do more research, projects, and inquiry labs in addition to the academic course work.

Prerequisite(s): Cumulative grades in 7th and 8th grade science courses and standardized test scores will be used to identify qualifying students; students must also be enrolled in an Honors math course

BIOLOGY I (1.0 credit)

150301

Students explore topics in cells, molecular basis of heredity, biological evolution, body systems, behavior of organisms, matter and energy relationships, organization of living systems, personal and community health, and ecology. Students will formulate valid hypotheses, design simple experiments, draw conclusions, develop inferences which they will apply to new situations, and will apply scientific principles to everyday life. This course includes laboratory activities and dissections, which are vital to the course work. Students will need good study skills as Biology is full of new terminology and concepts. Some math skills are required for genetics and lab activities.

Prerequisite(s): Physical Science

BIOLOGY I, Honors (1.0 credit)

150301

This is an advanced course in Biology I and is considered to be the pre-AP Biology course. Students will move at an accelerated pace and will do more research, assignments, and projects in addition outside of class than the regular Biology I classes. Topics include cells, molecular basis of heredity, biological evolution, body systems, behavior of organisms, matter and energy relationships, organization of living systems, personal and community health, and ecology. Students will formulate valid hypotheses, design simple experiments, draw conclusions, develop inferences which they will apply to new situations, and will apply scientific principles to everyday life. This course includes laboratory activities and dissections. Students will need excellent study skills as Honors Biology is full of new terminology and concepts and moves at a rapid rate. Some math skills are required for genetics and lab activities.

Prerequisite(s): A or B in Physical Science and/or teacher recommendation

BIOLOGY II, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

150307

The course is a college level Biology course that will examine the 4 Big Ideas of Biology, which are: evolution drives the diversity and unity of life; biological systems use energy and molecular building blocks to grow, reproduce, and to maintain homeostasis; living systems store, retrieve, transmit, and respond to information essential to life processes; and biological systems interact and these systems and their interactions possess complex properties. Topics covered: Chemistry of Life, Cells, Cellular Energetics, Heredity and Molecular Genetics, Mechanisms of Evolution and Diversity, Structure and Function of Plants and Animals, and Ecology. The AP curriculum requires that 25% of the course be lab work and students will have to design labs, collect data and analyze results in written lab reports. Student lab work will include bacterial transformation, DNA fingerprinting, genetics experiments with plants or fruit flies, and dissections of mammalian organs and a fetal pig. Students are expected to take the AP Biology test in May. Students must be independent learners and have excellent study skills. The course will provide a good introduction for students interested in health-related careers.

Prerequisite(s): Biology I

ANATOMY & PHYSIOLOGY, Honors (1.0 credit)

150306

This is a college level course. A holistic approach is utilized in the study of the human body, its functions and pathologies with the goal of preparing students for a university program in the medical sciences. This course will review human structural and functional organization at microscopic and macroscopic levels. Units will include the study of the following body systems: integumentary, muscular-skeletal, circulatory, nervous, reproductive, lymphatic, pulmonary, and digestive. A brief survey of human genetics, heredity, evolution, and psychology, and advances in medical technology will also be included. The dissection of the cat will be used as an anatomical comparison of the human body. As in all science courses, students will develop critical thinking skills and become fluent in the scientific method. It is recommended that students have taken AP Biology or Chemistry prior to enrolling.

Prerequisite(s): A or B in Biology I, AP Biology, or Chemistry and/or teacher recommendation

EARTH SCIENCE (1.0 credit)

150901

Earth Science is the study of the Earth, its structure, composition, environment, and place in the universe. The four major specialties within Earth Science are astronomy, geology, meteorology, and hydrology/oceanography. This course requires some knowledge of basic Chemistry.

Prerequisite(s): None, but Chemistry is recommended

ENVIRONMENTAL SCIENCE (1.0 credit)

150310

This is a survey course including the study of ecological concepts and environmental issues with emphasis on student interpersonal skills, writing skills, and alternative assessments of student performances. This course strengthens knowledge in core topics that will produce a more informed, scientifically literate citizen.

Prerequisite(s): None

ENVIRONMENTAL SCIENCE, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

150311

This course is a college-level Science course designed for the more advanced freshman who wants to maximize his/her potential. It will engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science AP is interdisciplinary, embracing topics from geology, life science, environmental studies, and geography. Students are expected to take the AP Environmental Science test in May.

Prerequisite(s): None

CHEMISTRY I (1.0 credit)

150401

This is a college prep course focusing on the study of descriptive and theoretical concepts of matter. Emphasis placed on solving problems and experiments that yield data for analyzing and interpreting by students. This course will require extensive independent work/ study outside of class on a nightly basis.

Prerequisite(s): Biology, Algebra II or concurrent enrollment in Algebra II

CHEMISTRY I, Honors (1.0 credit)

150400

Faster paced, more detailed study of descriptive and theoretical concepts of matter. Emphasis is on experimentation. This course will require extensive independent work/study outside of class on a nightly basis. This is a college prep class.

Prerequisite(s): A or B in Biology and/or teacher recommendation; Concurrent enrollment in Algebra II

CHEMISTRY II, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

150410

Chemistry II continues work with basic chemistry concepts, plus college level (advanced) concepts. This course emphasizes individual thinking and problem solving. This is a college level class and requires additional time outside of class in order to master concepts. Student should expect extensive time out of class working with this subject. There is a heavy math component including an emphasis on stoichiometry, so students should be comfortable with algebra skills through Algebra II and with stoichiometric relationships learned in Chemistry I. Students are expected to take the AP Chemistry test in May.

Prerequisite(s): Chemistry I; Algebra II is also recommended

PHYSICS (1.0 credit)

150000

This course is a study of motion (including linear motion and projectile motion) through algebra-based mathematical modeling. It is accomplished through the application of mathematical tools (like vectors) and several classical principles of physics, such as Newton's Laws of Motion, Conservation of Energy, Conservation of Momentum, work and Energy, and Waves. There are many lab activities and projects throughout the year.

Prerequisite(s): Algebra II or concurrent enrollment in Algebra II

PHYSICS I, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

150724

This is a college level Algebra-based Physics course. It covers: Kinematics and Graphing, Newton's Laws and Dynamics, Work, Energy and Energy Conservation, Momentum and Momentum Conservation, Rotational Motion and Conservation of Angular Momentum, Universal Gravitation and Circular Motion, Waves and Sound, Basic Electrostatics and Basic Circuit Electricity. 25 % of the course must be lab work. Each lab requires extensive lab reports that show and analyze data and draw conclusions based on that data. This course is challenging on a level that requires extreme extra work/study outside of class. Student should expect extensive time out of class working with this subject. Students will also have outside class projects and review sessions. There is a summer assignment. Students are expected to take the AP Physics I test in May.

Prerequisite(s): Algebra II; student needs a very strong background in math

SOCIAL STUDIES

CIVICS (1.0 credit)

220501

Students develop a deep understanding of the government of America from its founding to present day. They begin to understand how democratic foundations have influenced the current political system, domestic and foreign policy, and society as a whole. By analyzing the development of American government, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas as well as analyzing the rights and responsibilities of citizens. The course will also examine the fundamentals of economics and investigate economic issues.

Prerequisite(s): None

CIVICS, Honors (1.0 credit)

220501

Students develop a deep understanding of the government of America from its founding to present day. They begin to understand how democratic foundations have influenced the current political system, domestic and foreign policy, and society as a whole. By analyzing the development of American government, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas as well as analyzing the rights and responsibilities of citizens. The course will also examine the fundamentals of economics and investigate economic issues. This is an advanced course in the study of government and will require students to learn and work at an accelerated pace and will require strong reading and writing skills.

Prerequisite(s): A or B in previous Social Studies course and/or teacher recommendation & enrollment in an Honors English course is highly recommended

US GOVERNMENT AND POLITICS, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

220503

AP United States Government and Politics is a college-level course which introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Students will be required to learn and work at an accelerated pace and demonstrate strong reading and writing skills. Students are expected to take the AP exam and may earn college credit dependent upon the exam score that is attained. This AP course counts as the required credit in Civics for graduation.

Prerequisite(s): None

WORLD GEOGRAPHY (1.0 credit)

220300

Students develop a deep understanding of the interconnectedness of people and place. By analyzing the physical and human systems, geographical features, and regional commonalities of different locations around the world, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas.

Prerequisite(s): None

WORLD GEOGRAPHY, Honors (1.0 credit)

220300

Students develop a deep understanding of the interconnectedness of people and place. By analyzing the physical and human systems, geographical features, and regional commonalities of different locations around the world, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas. This is an advanced course in the study of geography and will require strong reading and writing skills and to learn and work at an accelerated pace.

Prerequisite(s): A or B in previous Social Studies course and/or teacher recommendation

HUMAN GEOGRAPHY, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

220310

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Students are expected to take the AP exam and may earn college credit dependent upon the exam score that is attained.

Prerequisite(s): None

US HISTORY (1.0 credit)

220403

Students develop a deep understanding of the history of the United States from Western Expansion to the Modern Age, approximately the 1870s until present day. They understand how democratic foundations have influenced the current political system, domestic and foreign policy, and society as a whole. By analyzing significant historical periods and the nation's responses, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas.

Prerequisite(s): None

US HISTORY, Honors (1.0 credit)

220409

Students develop a deep understanding of the history of the United States from Western Expansion to the Modern Age, approximately the 1870s until present day. They understand how democratic foundations have influenced the current political system, domestic and foreign policy, and society as a whole. By analyzing significant historical periods and the nation's responses, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas. This is an advanced course in American History and will require strong reading and writing skills and to learn and work at an accelerated pace.

Prerequisite(s): A or B in previous Social Studies course and/or teacher recommendation

US HISTORY, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

220404

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and material in U. S. History. This is a college level course which prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. Students will work with political cartoons, speeches, essays, articles, graphs, film, maps, and books. Methods of instruction and evaluation include lecture, discussion, a variety of written assignments, AP style multiple-choice and essay questions. Students are expected to take the Advanced Placement Exam at the end of the course and may earn college credit dependent upon the exam score.

Prerequisite(s): None

WORLD HISTORY (1.0 credit)

220401

Students develop a deep understanding of the major historical events around the world from the Renaissance through present day. By analyzing significant historical periods, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas.

Prerequisite(s): None

WORLD HISTORY, Honors (1.0 credit)

220400

Students develop a deep understanding of the major historical events around the world from the Renaissance through present day. By analyzing significant historical periods, students explain how society, the environment, the political and economic landscape, and historical events influence perspectives, values, traditions, and ideas. This is an advanced course in World History and will require students to learn and work at an accelerated rate and demonstrate strong reading and writing skills.

Prerequisite(s): A or B in previous Social Studies course and/or teacher recommendation

WORLD HISTORY, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

220413

The AP World History course focuses on developing students' understanding of the world history from approximately 1200 CE to the present. This college-level course has students investigate the content of world history for significant events, individuals, developments, and processes over historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also allows students to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. This is a college-level course and will require students to learn and work at an accelerated pace and demonstrate strong reading and writing skills. Students are expected to take the AP exam and may earn college credit dependent upon the exam score that is attained.

Prerequisite(s): None

EUROPEAN HISTORY, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

220412

The AP European History course focuses on developing students' understanding of European history from 1450 CE to the present. The college-level course has students investigate the content of European history for significant events, individuals, developments, and processes over historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. This is a college-level course and will require students to learn and work at an accelerated pace and demonstrate strong reading and writing skills. Students are expected to take the AP exam and may earn college credit dependent upon the exam score that is attained.

Prerequisite(s): None

PSYCHOLOGY, Advanced Placement (1.0 credit)

Fee: \$95 AP exam fee (Due 10/29/20)

222004

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This is a college-level course and will require students to learn and work at an accelerated pace and demonstrate strong reading and writing skills. Students are expected to take the AP exam and may earn college credit dependent upon the exam score that is attained.

Prerequisite(s): None

JROTC

JROTC I: LEADERSHIP EDUCATION & TRAINING (1.0 credit)

Fee: \$23

170001

This is the first level of JROTC and is designed to introduce students to the basic fundamentals of being a JROTC Cadet. In addition to learning how to properly wear the JROTC uniform, the cadets are introduced to the basic principles of leadership theory, communication skills, self-awareness, study skills, conflict resolution and the traditions, customs, and courtesies of the U.S. military. Additional activities include learning to march and participation in physical training. The JROTC uniform is issued free of charge. Students are required to purchase a pair of JROTC physical training shorts and two t-shirts. Successful completion of JROTC I & II satisfies the requirement for 1 ½ credits for PE and ½ credit for Health. Participation in after-school activities such as the JROTC Drill, Color Guard, or Rifle teams is not required, but is encouraged.

Prerequisite(s): None

JROTC II: LEADERSHIP EDUCATION & TRAINING (1.0 credit)

Fee: \$23

170002

This is the second level of JROTC. This course includes academic work and practical application of the principles of wellness, fitness, and first aid. Lessons include studies of citizenship in American history and government, e.g., the Bill of Rights, roles of citizens in American Democracy, and community service. The fundamentals of land navigation and reading a topographical map are also introduced. Leadership theory covered in JROTC I is expanded with opportunities for cadets to occupy low-level leadership positions within the JROTC program. The JROTC uniform is issued free of charge. Students are required to have a pair of JROTC physical training shorts and two t-shirts. JROTC physical training shorts and t-shirts previously purchased may be used for this course. Successful completion of JROTC I & II satisfies the requirement for 1 ½ credits for PE and ½ credit for Health. Participation in after-school activities such as the JROTC Drill, Color Guard, or Rifle teams is not required, but is encouraged.

Prerequisite(s): JROTC I

JROTC III: LEADERSHIP EDUCATION & TRAINING (1.0 credit)

Fee: \$23

170003

This course includes academic work and practical application of principles and skills related to leadership & management, oral & written communication techniques, personal financial planning & money management, community service projects, conflict resolution & mediation skills, career exploration, and decision/problem solving & planning techniques. Cadets improve and expand their leadership skills by occupying key leadership positions within the JROTC program. The JROTC uniform is issued free of charge. Students are required to have a pair of JROTC physical training shorts and two t-shirts. JROTC physical training shorts and t-shirts previously purchased may be used for this course. Participation in after-school activities such as the JROTC Drill, Color Guard, or Rifle teams is not required, but is encouraged.

Prerequisite(s): JROTC II; Senior Army Instructor's approval required; the decision is based on performance and behavior as a 2nd year cadet

JROTC IV: LEADERSHIP EDUCATION & TRAINING (1.0 credit)

Fee: \$23

170004

This course includes academic work and practical exercises that expands upon the principles of leadership & management covered in JROTC III. Cadets are taught the basic techniques for preparing lesson plans and are required to teach various lessons to lower level cadets and the structure of the U.S. Military is also covered. Cadets are **required** to lead by example by occupying and excelling at a key leadership position within the JROTC program such as Company Commander, First Sergeant, Platoon Leader, and Platoon Sergeant. The JROTC uniform is issued free of charge. Students are required to have a pair of JROTC physical training shorts and two t-shirts. JROTC physical training shorts and t-shirts previously purchased may be used for this course. Participation in after-school activities such as the JROTC Drill, Color Guard, or Rifle teams is not required, but is encouraged.

Prerequisite(s): JROTC III; Senior Army Instructor's approval is required; the decision is based on performance and behavior as a 3rd year cadet

HEALTH & PHYSICAL EDUCATION

HEALTH EDUCATION (0.5 credit)

190500

This required course studies the essential wellness practices as they relate to current concepts of preventative medicine, involves the study of human growth and development, as well as first aid, personal health, alcohol, drug use and abuse, and tobacco. The course also explores current concepts of practical and applied nutrition, current myths and misconceptions surrounding the relationship of nutrients to optimal health, obesity and weight control. This course studies the human body as a biological entity that adapts to health choices made by the individual.

Prerequisite(s): None

PHYSICAL EDUCATION (0.5 or 1.0 credit)

Fee: \$12

190105 / 106 / 107 / 108

This course consists of a variety of team and individual sports. This course can be used as a required or elective PE course. One shirt and one pair of shorts costs \$12. Additional charges may apply for sizes 2X and above.

Prerequisite(s): None

PHYSICAL EDUCATION - ATHLETICS (0.5 or 1.0 credit)

190105 / 106 / 107 / 108

Off-season weightlifting and conditioning, in-season weightlifting and conditioning, and sport specific work-outs. This course can be used as a required or elective PE course.

Prerequisite(s): Approval of coach

FOREIGN LANGUAGES

FRENCH I (1.0 credit)

121001

This course lays the foundation for college-level study and eventual mastery of the French language. We master the basics of French pronunciation, spelling, oral and reading comprehension and sentence construction.

Prerequisite(s): None

FRENCH II (1.0 credit)

121002

This is a continued introductory course emphasizing vocabulary, grammar, reading comprehension, writing, culture, and history. Daily review and drill outside of the classroom necessary for success.

Prerequisite(s): Passing grade in both semesters of French I

FRENCH II, Honors (1.0 credit)

121002

This course is an accelerated study of French vocabulary, grammar, reading comprehension, writing, culture, and history. A special emphasis will be placed on speaking and fluency. Daily review and drill outside of the classroom will be necessary for success. Student needs to be willing to speak in target language.

Prerequisite(s): A or B in French I and/or teacher recommendation

FRENCH III, Honors (1.0 credit)

121003

This is an intermediate course emphasizing grammar, vocabulary expansion, reading and writing skills, culture and history. Periodic outside readings and research and internet activities required for this course.

Prerequisite(s): A or B in French II and/or teacher recommendation

FRENCH AP: Language & Culture (1.0 credit) (replaces French IV & V)

121006

This course is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. This course is designed to prepare students for success on the College Board AP Exam and to potentially earn French foreign language college credit.

Prerequisite(s): A or B in French III and/or teacher recommendation

SPANISH I (1.0 credit)

122501

This course lays the foundation for college-level study and eventual mastery of the Spanish language. We master basic Spanish spelling, pronunciation, oral and reading comprehension and sentence construction.

Prerequisite(s): None

SPANISH II (1.0 credit)

122502

Spanish II continues and builds upon the material of Spanish I with a gradual emphasis placed on oral communication. Students will also begin to explore simple readings in Spanish. The course will include instruction with videos on Spanish & Latin American culture and geography.

Prerequisite(s): Passing grade in both semesters of Spanish I

SPANISH II, Honors (1.0 credit)

122502

This course is an accelerated study of Spanish vocabulary, grammar, reading comprehension, writing, culture, and history. A special emphasis will be placed on speaking and fluency. Daily review and drill outside of the classroom will be necessary for success. Student needs to be willing to speak in target language.

Prerequisite(s): A or B in Spanish I and/or teacher recommendation

SPANISH III, Honors (1.0 credit)

122503

Spanish III is an honors elective course that requires genuine interest in the study of the Spanish language and its culture. Heavy emphasis will be placed on new grammar and vocabulary which will require active participation by the student both in and out of class. We will explore the gradual development of written and oral communication skills in Spanish. The course will include an introduction to the writings of Spanish & Latin American authors along with discussion of relevant political and cultural developments in Spanish-speaking countries.

Prerequisite(s): A or B in Spanish II and/or teacher recommendation

SPANISH AP: Language & Culture (1.0 credit) (replaces Spanish IV & V)

122506

This course is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. This course is designed to prepare students for success on the College Board AP Exam and to potentially earn Spanish foreign language college credit.

Prerequisite(s): A or B in Spanish III and/or teacher recommendation

AGRICULTURAL STUDIES

AGRISCIENCE I (1.0 credit)

010301

Agriscience I is beginning course of the Agriscience curriculum. It provides students will a basic knowledge of agriculture and its history, and the science applications in agriculture. The course includes units in animal science, natural resources (relationships between soil, water, living organisms), and agricultural leadership. Hands-on learning experiences include the classroom computer lab, the garden area, student greenhouse, recycling program, and small animal program. Supervised Agricultural Experience (SAE) programs and FFA activities are integral components of the course and provide many opportunities for applying classroom skills.

Prerequisite(s): None

AGRISCIENCE II (1.0 credit)

Fee: \$20

010302

Agriscience II builds upon the Agriscience I class and provides students with additional knowledge of agriculture and science applications in agriculture. The course includes units in animal science, plant science, food science, agricultural pests, and soil science, and leadership skills. Hands-on learning experiences include the classroom computer lab, forestry, student greenhouse, hydroponic greenhouse, landscape maintenance, recycling program. Supervised Agricultural Experience (SAE) programs and FFA activities are integral components of the course and provide many opportunities for applying classroom skills.

Prerequisite(s): Agriscience I

AGRISCIENCE III (1.0 credit)

Fee: \$20

010303

This course is an advanced study in Agriscience based upon the local agricultural workforce and economic needs of the community. It is an activity-based class that strengthens critical thinking skills, problem solving, and job preparedness. The major areas of study include personal development skills, greenhouse crop production, animal production, biotechnology, and environmental issues. Hands-on learning experiences include the classroom computer lab, the production greenhouse, the hydroponics greenhouse, aquaculture lab, recycling program, landscape maintenance, and ag construction. Supervised Agricultural Experience (SAE) programs and FFA activities are integral components of the course and provide many opportunities for applying classroom skills.

Prerequisite(s): Agriscience II; Open to 11th - 12th grade

AG LEADERSHIP (1.0 credit)

Fee: \$20

010364

This advanced course is designed to provide students with an overview of the horticulture industry. It is an activity-based class that strengthens critical thinking skills, problem solving, and job preparedness. Topics of study include an orientation to the horticulture industry, plant growing media, advanced plant science, crop systems, vegetable production, and fruit production. Hands-on learning experiences include the classroom computer lab, the production greenhouse, the hydroponics greenhouse, aquaculture lab, recycling program, landscape maintenance, and ag construction. Supervised Agricultural Experience (SAE) programs and FFA activities are integral components of the course and provide many opportunities for applying classroom skills.

Prerequisite(s): Agriscience I & II

CONSTRUCTION & TRADES

WORKPLACE SAFETY (1.0 credit)

311923

This course includes nine integral modules for building foundational skills in the craft areas and also provides the tools necessary for achieving workplace success. This curriculum has been aligned to modules as endorsed by the National Center for Construction Education and Research (NCCER). Students, who study this curriculum and successfully pass these tests, will be certified by NCCER and will receive their NCCER Core certification, which is required to move forward to achieve certification in other areas of the construction family—NCCER Carpentry, NCCER Electrical, and NCCER Welding.

Prerequisite(s): None

NCCER CARPENTRY I (2.0 credits)

110702

This is an introduction to the craft of carpentry which will expose the student to the different tools used in the craft. This will teach the craft look at blueprint reading. There is hands-on work with framing walls, floor systems, roofing systems, and how to layout walls, stairs, and rafters. At the completion of the course the student will have a nationally recognized NCCER Certification.

Prerequisite(s): Workplace Safety or concurrent enrollment in Workplace Safety; Open to 10th – 12th grade

NCCER CARPENTRY II (2.0 credits)

110707

This is a continued study in Carpentry as a trade. This will be a study in building both residential and commercial buildings. We will be taking a closer looking at the finishing work in residential buildings with hands-on work with sheet rock installing and finishing, how to insulate, and exterior finishes. We will also discern between commercial and residential plans and how they differ in the scope of building.

Prerequisite(s): NCCER Carpentry I

NCCER ELECTRICAL I (1.0 credit)

110711

This course is designed to introduce students to the world of Electricity. Upon completing the course, students will be able to understand and apply basic concepts in orientation to the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electrical Code, device boxes, hand bending, raceways and fittings, conductors and cables, basic electrical construction drawings, residential electrical services, electrical test equipment. This course will also give the students the opportunity to become certified in NCCER Level I Electrical.

Prerequisite(s): Workplace Safety or concurrent enrollment in Workplace Safety; Open to 10th – 12th grade

NCCER ELECTRICAL II (1.0 credit)

110716

This course is designed to build on NCCER Electrical I. Upon completing the course, students will demonstrate basic electrician skills including Altering Current, Motors: Theory and Application, Electric Lighting, Conduit Bending, Pull and Junction Boxes, Conductor Installations, Terminations, and Splices, Cable Tray, Grounding and Bonding, Circuit Breakers and Fuses, and Control Systems and Fundamental Concepts. This course will also give the students the opportunity to become certified in NCCER Level 2 Electrical.

Prerequisite(s): NCCER Electrical I

NCCER WELDING I (2.0 credits)

110742

This course provides an introduction to welding with emphases on safety and hands-on work. The latest industrial metal working equipment is used to develop student skills associated with the welding trades. Instruction in this course will include classroom lecture and discussion, instructor shop demonstrations, student hands-on projects, and visual aids.

Prerequisite(s): Prerequisite(s): Workplace Safety or concurrent enrollment in Workplace Safety; Open to 10th – 12th grade

NCCER WELDING II (2.0 credits)

110747

This course expands on knowledge and skills learned in Welding I. More independent work and more complex projects are involved in Welding II, requiring more complex attention to "lay-out" and design. Instruction in this course will include classroom lecture and discussion, instructor shop demonstrations, student hands-on projects, and visual aids.

Prerequisite(s): NCCER Welding I

CTE INTERNSHIP I (1.0 credit or 2.0 credits)

080202 / 080200

This course is designed to provide students an opportunity to apply learned skills in the workplace. Students obtain paid or unpaid internships in their area or related field of study, with local enterprises, and have release time from school to report to the job site. Emphasis will be placed on developing interpersonal skills, work ethics, relevant skills of the workplace, and an understanding of the selected career field of study. Oral and written communication skills are reinforced as students complete the workplace experience. Students must have a job within one week from the first day of school.

Prerequisite(s): Must have a job or be in the process of obtaining a job; Open to 12th graders

BUSINESS

INTRO TO BUSINESS COMPUTER APPLICATIONS (IBCA) (1.0 credit)

040401

This course is designed to provide students with basic computer application skills. Students will be introduced to the touch method of operating a computer keyboard. Emphasis is placed on basic computer concepts both hardware and software, word processing, presentations and spreadsheet applications. Computer technology will be presented that leads to Microsoft Office Specialist certifications in Word and PowerPoint.

Prerequisite(s): None

BUSINESS COMPUTER APPLICATIONS (BCA) (1.0 credit)

040400

This course is designed to acquaint students with the advanced principles associated with information processing. Students study advanced computer concepts, software applications, and computer systems. Emphasis is placed on skill development in using technology to perform advanced information processing. Topics of study include computer concepts, word processing, spreadsheet, database and presentation software applications, which will increase in difficulty in the second semester. Computer technology will be presented that may lead to the student's ability to obtain advanced certification in a popular office software package that includes word processing, spreadsheets, databases, e-mail and presentation programs.

Prerequisite: None, but Keyboarding or Intro to Business Computer Applications Recommended

PRINCIPLES OF BUSINESS (1.0 credit)

040306

This is an introductory course that provides students with basic business operations skills that can be applied in both personal and professional situations. Emphasis is placed on the exploration and description of basic business concepts and applications. Through business projects, critical-thinking and oral and written communication skills are reinforced.

Prerequisite(s): None

ENTREPRENEURSHIP (1.0 credit)

041040

This course is designed to introduce students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, operate and finance a business using current technology and simulations. Skills in communication, technical writing, mathematics, research, and problem solving are reinforced as each student prepares a business plan and a career portfolio. Simulations, projects, teamwork, DECA leadership activities, conferences, and competitions provide opportunities for application of instructional competencies. The Micro-Enterprise credential (complementary, regional, or state certification) certifies that students have mastered workplace behaviors and communication skills, specific small business activities (e.g., complete credit applications, complete online company registrations), and gained the financial literacy necessary to become effective small business employees and entrepreneurs.

Prerequisite(s): Open to 10th- 12th graders

HOSPITALITY & TOURISM / LODGING MGMT (1.0 credit)

080710 / 040502

This course will introduce students to lodging, travel, tourism, and foodservice operations. Students will learn skills focusing on communication, time management, leadership, employability skills, and customer service that meets industry standards. They will be able to demonstrate an understanding of the career opportunities that exist within the hospitality and tourism industry. Students will take the AHLEI Front Desk Representative and Guestroom Attendant certification exams.

Prerequisite(s): None, Open to 10th – 12th graders

COOPERATIVE OFFICE EDUCATION (COE) (3.0 credits/540 work hours)

040205

Students enrolled in this course receive credit for successful completion of classroom academics and on the job training. This course provides students with part-time office employment combined with classroom instruction in finance, hospitality, marketing, business management, and administration. Basic office administration concepts are taught and simulations are used to expose students to real-life business situations where they must problem solve using customer service and business administrative skills. Students work under the guidance of a teacher facilitator in collaboration with community members/business representatives who serve as on-the-job trainers. Students are evaluated both in the classroom and on the job. The final grade is a combination of classroom and work site job performance. Students will be prepared to take the nationally recognized Customer Service & Sales Certification Exam.

Prerequisite(s): Open to 12th grade only; Enrollment in course by application only; must have at least a 2.0 GPA.

COOPERATIVE MARKETING EDUCATION (DECA) (3.0 credits/540 work hours)

041010

Students enrolled in this course receive credit for successful completion of classroom academics and on the job training. Skills in marketing information management, market planning, pricing, product/service management, promotion and selling and simulations are used to expose students to real-life business situations where they must problem solve using customer service and entrepreneurship skills. Students work under the guidance of a teacher-facilitator in collaboration with community members/business representatives who

serve as on-the-job trainers. Students are evaluated both in the classroom and on the job. The final grade is a combination of classroom and work site job performance. Students will be prepared to take the nationally recognized Customer Service & Sales Certification Exam.

Prerequisite(s): Open to 12th grade only; Enrollment in course by application only; must have at least a 2.0 GPA.

ACCOUNTING I (0.5 credit)

040101

This course is designed to introduce students to basic accounting theory and procedures along with current applications of computer technology and simulations in accounting. Emphasis is place on the mastery of basic accounting concepts and procedures. Mathematical, critical-thinking, problem-solving, decision-making, technology and team building sills are reinforced in this course. Students will become certified (upon passing) in MOS Excel and Customer Service. Simulations, projects, teamwork, DECA leadership activities, conferences, and competition provide opportunities for application of instructional competencies.

Prerequisite(s): Open to 10th-12th graders

WEB DESIGN (0.5 credit)

040210

This course introduces students to the basics of creating web pages using HTML5 and CSS3. Students will learn to construct basic websites that include multiple pages, images, and links. Students will also learn how to layout content and page elements and will also become familiar with GIMP, an imaging editing software, and other coding languages such as JavaScript, PHP / MySQL Scripting.

Prerequisite(s): Open to 10th – 12th graders

PERSONAL FINANCE (0.5 credit)

041022

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, taxes, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. Students taking this course will learn to better prepare for their financial futures.

Prerequisite(s): None

CUSTOMER SERVICE (0.5 credit)

080720

This course is designed to teach students about products and/or services, how to assess and meet customer needs, information needed to educate customers, help prepare for selling products/goods/services, provide ways to gain customer commitment and close sales, and how to develop and implement a sales follow-up plan. Students will also complete simulations on personal finance and gain valuable entrepreneurship information needed to be successful in today's work-world. They will also be prepared to take the NRF Customer Service and Sales exam and the Guest Service Professional exam.

Prerequisite(s): Students must be at least 15 years of age to take the NRF Customer Service & Sales exam.

ARTS

VISUAL ARTS

ART I (1.0 credit)

030501

Art I is an introductory art course that teaches students about the basic elements of art and design through project-based work. Students will learn basic painting and drawing skills while applying their knowledge of the elements of art.

Prerequisite(s): None

ART II (1.0 credit)

Fee: \$25

030502

This course places emphasis on developing concepts in art making and problem solving. Students will also continue developing skills in drawing, painting and three dimensional design covered in Art I, with critical and aesthetic analysis of contemporary artists. Transfer students must submit a portfolio.

Prerequisite: Art I or teacher approval

ART III: PAINTING AND DRAWING I (1.0 credit)

Fee: \$35

030503

Painting and Drawing is for the upper level art student who wishes to learn and apply more professional media techniques such as oil painting, watercolor, sculpture, advanced drawing etc. This is an intermediate level of visual arts which concentrates on a variety of painting media as well as mixed media. Transfer students must submit portfolio.

Prerequisite: Art I, Art II, or teacher approval

Art IV: PAINTING II (1.0 credit)

Fee: \$40

030504

This is an upper level studio arts class that focuses solely on advanced painting techniques. Students will learn advanced color theory and application, advanced designing and sketching techniques to produce a painting, and will also use digital photography to create reference photos for painting.

Prerequisite: Art I, Art II, or teacher approval

- STUDIO ART 2D, Advanced Placement** (1.0 credit) Fee: \$40 and \$95 AP exam fee (Due 10/29/20) 030509
 An accelerated Visual Arts course and college level course addressing the conceptual and formal aspects of all forms of two-dimensional art forms that include: painting, drawing, graphic design, printmaking, photography, mixed media/collage and digital art. Emphasis on the Elements of Art: Line, Color, Shape, Space, Texture and 10 Value as well as the Design Principles: movement, balance, proportion, rhythm, repetition, and dominance. Students can achieve college credit upon passing AP examination that involves twenty-four artworks (for digital submission) and five portfolio artworks that will be sent to AP Central in May.
Prerequisite(s): Art III or Talented Art III and permission of instructor
- PHOTOGRAPHY I** (1.0 credit) Fee: \$10 312400
 Students must be able to provide their own digital camera (not a phone) with a 16 megapixel or higher resolution. Digital SLR cameras are acceptable and encouraged. Students will learn basic digital photography skills and apply their knowledge by taking their own photographs. Students will also learn Adobe Photoshop and photo editing techniques. Much of the work for this course is outside assignment based. Most photos will be taken as homework assignments and edited in class.
Prerequisite(s): None
- PRINCIPLES OF 3D VISUAL DESIGN** (1.0 credit) Fee: \$35 080817
 ***Does not fulfill the Art requirement for the TOPS diploma
 3D Visual Design is a course for students wanting to learn about form through the use of 3D media such as wire sculpture, building 3D models, basic intro to sculpture (not ceramics). Students will apply knowledge of 3 Dimensional concepts, such as form to create projects that are viewable in the round or 3 Dimensional. This course is also an introduction to architectural modeling and 3D modeling.
Prerequisite(s): None
- CERAMICS / SCULPTURE I** (1.0 credit) Fee: \$35 030564
 ***Does not fulfill the Art requirement for the TOPS diploma
 Ceramics/sculpture is a course where students will learn clay and glazing techniques and application. Students will also learn about sculpting in other clay based media and apply those processes.
Prerequisite(s): Art I, Art II, or Principles of 3D Visual Design
- CERAMICS II** (1.0 credit) Fee: \$35 030565
 ***Does not fulfill the Art requirement for the TOPS diploma
 This is a course designed for the serious art student who would like to learn advanced sculpting and pottery techniques including wheel throwing, mold pouring, and much more.
Prerequisite: Ceramics/Sculpture I
- ARCHITECTURAL AND GRAPHIC ARTS** (1.0 credit) Fee: \$35 311600
 ***Does not fulfill the Art requirement for the TOPS diploma
 This course is for the student interested in architecture, landscape architecture, and building construction. Students begin with basic concepts of architectural design, planning & drafting skills, transitioning to building 3D models of their computer based designs. Emphasis of instruction and class work are directed towards the application of computer based designs (CADD) into real 3D architectural modeling. This course is designed for students wanting to go into the fields of Architecture, Landscape Architecture, Studio Arts, Computer Technology, Construction, or Drafting.
Prerequisite(s): Art I, Media Arts I, 3D Visual Design, or Photography
- MEDIA ARTS I** (1.0 credit) 030810
 Students will learn the basics of graphic design. Students will use the Adobe Suite (Photoshop, Illustrator, InDesign, etc.) to complete course work. The course will include application of the elements and principles of art to graphic design applications such as package design, logo design, basic web design, and more.
Prerequisite(s): None
- DIGITAL MEDIA II** (1.0 credit) 080805
 ***Does not fulfill the Art requirement for the TOPS diploma
 This course will build on the lessons learned in the Media Arts I introduction of basic graphic design. The main focus of the class is for members to earn Adobe Certified Associate in Photoshop, Illustrator and InDesign, a nationally recognized industry based certification in the Graphic Arts world.
Prerequisite(s): Media Arts I
- DIGITAL MEDIA III** (1.0 credit) 080831
 ***Does not fulfill the Art requirement for the TOPS diploma
 This course combines text, graphics, sound, animation, and video delivered by computer or other electronic means. The course focuses

on the systematic design and development of effective, efficient, and appealing visual productions. Students will plan and design production sequences, then use computer-based authoring/ multimedia software to deliver the production. Current and emerging technologies, such as laserdiscs, CD technology, digitized audio, digitized still and motion video, and scanned images, are incorporated into multimedia projects. Finally, students design, develop, implement, and evaluate productions. Class sessions consist of discussions, collaborative activities, demonstrations, skills-building activities, peer evaluation, and time to work on projects.

Prerequisite(s): Digital Media II

MEDIA ARTS IV: SCOREBOARD (1.0 credit)

030840

This course is designed for the student who wishes to learn about media arts pertaining to athletics. This course involves learning the process of athletic video productions, and the basics of graphic design. We will learn Adobe Suites (Photoshop, Illustrator, Premiere, and InDesign) while incorporating the elements of art in order to make things aesthetically pleasing during athletic competition. This involves placement, balance, colors, editing of photos/videos, designing logos, running camcorders, production and sound equipment, and much more. This class involves mandatory hours outside of school running the video board during home athletic events which involves, but is not limited to football, soccer, track, as well as special events showcasing the video board.

Prerequisite(s): None, but a previous Art class is encouraged

TALENTED ART I (1.0 credit)

Fee: \$35

030514

This course is based on studying observational methods and an introduction to various 2-D and 3-D media. Students will develop a portfolio for 2-D and 3-D art throughout the year. Critical, historical, and aesthetic thinking will be covered through hands-on activities.

Prerequisite(s): Student must be formally screened and identified as needing Gifted/Talented services

TALENTED ART II (1.0 credit)

Fee: \$35

030515

This course stresses the continuation of building observational and creative artistic skills. Students will begin to explore the communicative and conceptual aspects of art making. More complex projects involving a collaboration of artistic techniques will be stressed throughout the year. Students are expected to create a portfolio by the end of the year.

Prerequisite(s): Art I/Talented Art I and a current Talented evaluation

TALENTED ART III (1.0 credit)

Fee: \$40

030516

In this course students continue to emphasize observation, but they should begin developing a style that best expresses ideas and concepts. Students will begin to develop a portfolio which displays strong observational and perceptual skills as well as good knowledge and use of different types of media and / or approaches toward creating successful art works. In this year, if a student plans to attend an art institute or to major in art at the college level, he or she must begin a body of work that suits portfolio requirements given by these institutions. This work will continue into the senior year in preparation for submitting into art institutions, universities, and colleges. Students should keep in mind that most reputable art schools want to view 20 – 24 art works for portfolio submission.

Prerequisite(s): Art II/Talented Art II and a current Talented evaluation

TALENTED ART IV (1.0 credit)

Fee: \$40

030517

Students should be reinforcing their observational skills, advancing their creative abilities. Strong emphasis on visual communication and developing strong concepts will be important. Art theory will be explored throughout the year. Thematic bodies of work will be introduced. Exploration of studying 2-D and 3-D media will continue in this course. Students will develop a portfolio throughout the year and tailor it to the requirements for possible admission into Art College.

Prerequisite(s): Art III/Talented Art III and a current Talented evaluation

PERFORMING ARTS: CHOIR

BEGINNING CHOIR (1.0 credit)

030310

This course is a non-auditioned choir that is designed for students in any grade that are new to ZHS choir. The choir focuses a large amount of time on sight-reading skills and proper vocal technique while performing a wide variety of music throughout the year from choral standards to contemporary arrangements. This choir focuses on the basic elements of vocal production, music theory, sight-reading, two- & three-part singing, musicianship, and concert presentation. This course provides students with an opportunity to develop their voices as instruments of self-expression, to improve their music literacy, and to enjoy a meaningful group experience through daily participation and performance. This group presents concerts throughout the school year and sometimes competes at local festivals.

Prerequisite(s): None

CHORALE INTERMEDIATE CHOIR (1.0 credit)

Fee: \$60

030311

This course is an auditioned choir that is designed for students in any grade that have had at least one year of previous choir experience, whether at ZHS or another high school. In addition to sight-reading, three- and four-part singing, singing in foreign languages, and formal concert presentation, the class pursues a continued knowledge of music theory and a growing musicianship. Chorale performs a wide

variety of music throughout the year, which ranges from choral standards to contemporary a cappella arrangements. This group presents concerts throughout the school year and competes at local and out-of-state festivals.

Prerequisite(s): Beginning Choir or placement by instructor based on audition. Students who were in NMS show choir or an equivalent-level choir at any other school may automatically participate in this choir.

A CAPPELLA ADVANCED CHOIR (1.0 credit)

Fee: \$60

030312

This course is an auditioned choir that is designed for advanced student musicians that have had **at least one year of choir or Musical Theater at Zachary High School**. In addition to sight-reading, four- to eight-part singing, singing in foreign languages, and formal concert presentations, the class pursues an advanced knowledge of music theory and a high level of musicianship. A Cappella performs a wide variety of music from standard choral literature to contemporary a cappella arrangements. This group presents concerts throughout the school year and competes at local and out-of-state festivals.

Prerequisite(s): Placement by instructor based on audition. For transfer students, "one year of choir at Zachary" may be replaced with participation in an honor choir at the middle school level or an equivalent level at the high school.

BRONCO BEAT PREP CHOIR (1.0 credit)

Fee: \$60

030313

This course is an auditioned, college-level choir that is designed for more advanced student musicians that have had **at least one year of choir at Zachary High School**. In addition to an advanced music theory knowledge and excellent musicianship, these singers are expected to have great self-expression and stage presence. This vocal ensemble performs mostly a cappella vocal repertoire, along with additional choral standards. While this group presents concerts with A Cappella Choir throughout the school year and competes at local and out-of-state festivals, Bronco Beat also serves as a musical ambassador for Zachary High School performing at many different community and school-related events.

Prerequisite(s): Placement by instructor based on audition. Students are also required to audition for an Honor Choir the previous school year, or participate in two honor choirs throughout previous years.

PERFORMING ARTS: BAND

BEGINNING BAND (1.0 credit)

030300

This course offers an introduction to the basic fundamentals of instrumental music in the areas of woodwind and brass instruments. Percussion instruments are not offered in this class. No prior musical knowledge is required. Fundamentals are stressed and demonstrated through performances. Everyone must furnish his or her own reeds, mouthpieces, instruments, and method book. School instrument rental is available for certain instruments.

Prerequisite(s): None

ADVANCED BAND (1.0 credit)

Fee: \$150

030302

An advanced study of skills learned in Intermediate Band. Fundamentals are stressed and demonstrated through performances. Everyone must furnish his or her own reeds, percussion mallets, oil, mutes, etc. School instrument rental is available for certain instruments. Attendance at festivals, concerts, and after-school rehearsals is required.

Prerequisite(s): Audition required

SYMPHONIC WIND ENSEMBLE (1.0 credit)

Fee: \$150

030303

This is the top performing instrumental group. Students must furnish their own reeds, percussion mallets, oil, mutes, etc. School instrument rental is available. Attendance at festivals, concerts, and after-school rehearsals required.

Prerequisite(s): Audition required

JAZZ ENSEMBLE (1.0 credit)

Fee: \$150

030304

This course is recommended for junior and senior students who are interested in expanding their music knowledge in various styles of jazz. Guitar, Piano, Bass must be able to read music or chords. Attendance at festivals, concerts, and after-school rehearsals required.

Prerequisite(s): Audition required

PERCUSSION I (1.0 credit)

Fee: \$150

030307

This course is recommended for any student who has successfully auditioned and been selected for the Zachary High School Drumline and Front Percussion Ensemble. Skills that will be taught include: timpani tuning, keyboard instrument scales and songs, snare drum rolls and rudiments, four mallet technique, and rhythm counting. Attendance at festivals, concerts, and after school rehearsals required.

Prerequisite(s): Audition required

PERCUSSION II (1.0 credit)

Fee: \$150

030351

This course is a continuation of skills learned in Percussion I and is recommended for those who have auditioned and been selected for the ZHS Drumline and Front Percussion Ensemble. Attendance at festivals, concerts, and after school rehearsals required.

Prerequisite(s): Audition required

GUITAR I (1.0 credit)

030352

This course is open to any student who is eager to learn the fundamentals of guitar playing. Students will learn to read chord symbols and basic musical notation. The music performed in this course is on a beginner to intermediate level.

Prerequisite(s): Student must provide own acoustic guitar

GUITAR II (1.0 credit)

030351

This course builds on the skills learned in Guitar I. There is a concentrated focus on scales, arpeggios, chords, and intermediate to advanced literature.

Prerequisite(s): Guitar I; Must provide their own acoustic guitar

GUITAR III (1.0 credit)

030333

This is a continuation of Guitar II with a concentration on advanced literature.

Prerequisites(s): Guitar I and II; Must provide their own acoustic guitar

PERFORMING ARTS: DRAMA

THEATER I, Non-performance (1.0 credit)

030700

This course covers the fundamentals of theatrical performance including the movement and voice for the stage, classic and modern dramatic literature, and script writing. Students are offered opportunities to practice presentation skills learned in class through memorization and performance of dramatic literature.

Prerequisite(s): None

THEATER I, Performance (1.0 credit)

030700

THEATER II (1.0 credit)

Fee: \$50

030721

THEATER III (1.0 credit)

Fee: \$50

030731

THEATER IV (1.0 credit)

Fee: \$50

030741

This course is a continuation of basic skills and activities, such as opportunities to further develop personal acting techniques and performing skills. Students will perform scenes and plays from various theatrical periods and styles and explore career opportunities in theater. Participation in co-curricular activities outside of the class is required for all Theater I-IV students.

Prerequisite(s): Theater I or 8th Grade Advanced Drama; Audition with the Instructor held in April

TECHNICAL THEATER I (1.0 credit)

030701

TECHNICAL THEATER II (1.0 credit)

030703

TECHNICAL THEATER III (1.0 credit)

030704

TECHNICAL THEATER IV (1.0 credit)

030705

A workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management. Advanced students will assume greater responsibilities in becoming crew heads, designers, and running crews for VPAC productions and events. Students will explore career opportunities in technical theatre. Production participation (including after school production work) is required for all Tech I-IV students.

Prerequisite(s): Interview with the Tech director

HUMAN SCIENCES

NUTRITION & FOOD (0.5 credit) / ADV NUTRITION & FOOD (0.5 credit)

100300 / 100301

This course provides students with the basic nutrition and wellness knowledge and basic food preparation skills. Emphasis is placed on food preparation, kitchen and meal management, and the relationship of diet to health. Topics of study include nutrition, meal planning, label information, safety and sanitation, kitchen equipment, measuring, use of recipes, basic food preparation, and customer service skills. Advanced Nutrition & Food focuses on the social, psychological, and cultural influences on food choices globally. Topics include nutrition and wellness for individuals and families across the life span; impact of technology on nutrition, foods, and related tools and equipment; management of food-related resources; acquiring, organizing, and evaluating information about foods and nutrition; and exploration of careers in all aspects of the food industry. Students will also take the ServSafe Food Handler exam.

Prerequisite(s): None; Open to 11th – 12th graders only

PROSTART I (1.0 credit)

100307

This course is the first year of a program focused on preparing students for a career in the food service/hospitality industry. Emphasis is on obtaining skills for the industry-based certification and preparation for internships in the industry. The curriculum is developed by the National Restaurant Association, which include skills necessary for careers in the hospitality industry, management, professionalism, use of commercial equipment, proper sanitation standards for the industry, and essential math. This class includes lab experience, skills in critical thinking, communication, and science. Appropriate work-based learning strategies for this course are service learning, field trips, and job shadowing. Students will take the ServSafe Manager exam and the NRAEF Level I end-of-course exam.

Prerequisite(s): Nutrition & Food or concurrently enrolled in Nutrition & Food; Open to 10th-12th graders only

PROSTART II (1.0 credit)

100321

This course is the second year of the ProStart program which prepares students to matriculate into a culinary institution to become chefs, restaurant managers or other professional positions in the restaurant and hospitality industry. Students successfully completing this course will be able to: • Investigate the history of food service and hospitality. • Describe how it has changed, evolved over time, and identify trends that impact the industry. • Examine the various types of lodging establishments and career opportunities associated with each type. • Identify global cultures and traditions related to food preparation and service. • Prepare a variety of foods including desserts, baked goods, meat, poultry and seafood, stocks, soups and sauces. • Define and develop a variety of menus and food service styles (a la carte, table d'hote, California, du jour and cycle menus) reflective of the industry. • Use sales information to calculate the success of menu sales and to control purchasing and inventory. • Demonstrate effective teamwork, communication, problem-solving, and decision-making skills. • Earn hours towards the required 400-hour work-based learning experience requirement. Students will take the NRAEF Level II end-of-course exam.

Prerequisite(s): ProStart I; Open to 11th-12th graders only

CHILD DEVELOPMENT (0.5 credit) / ADVANCED CHILD DEVELOPMENT (0.5 credit)

100602 / 100603

Child development increases your knowledge about the development of children and improves care-giving skills. Students will study the physical, intellectual, social, and emotional growth and development of children from birth through early childhood. Topics will include prenatal development; preparation for birth and the birth process; impacts of heredity, environment, and family on the development of the child; and meeting children's needs for food, clothing, shelter, and care. Students will be issued the RealCare baby for one weekend during the first semester, and the grade and is based on the computer record of the appropriate care given to the baby. An alternative research project is available with parent approval. During the second semester, students will address more complex issues of child development and early childhood education with emphasis on guiding physical, social, emotional, intellectual, moral, and cultural development throughout childhood, including school-age children. Students will be required to read the novel "Room" and take a test on it. Throughout the year the class will make weekly visits to the Zachary Early Learning Center to interact with and observe preschoolers. Students will receive a grade for these visits based on participation and required assignments.

Prerequisite(s): Open to 10th-12th graders; Child Development is a prerequisite for Advanced Child Development

FAMILY AND CONSUMER SCIENCE I (FACS I) (1.0 credit)

100401

This course examines multiple life roles and responsibilities of individuals and family members. The focus is on the areas of personal and family living, wellness, nutrition and foods, financial management, living environments, appropriate child development practices, and transferring school skills to life and work. Through simulated experiences students learn to fulfill their responsibilities associated with the work of the family and community. Topics covered first semester include: personal relationships, time management, money management, interior design, sewing projects including: buttons, hems, hand-sewn small stuffed toy, constructing a pillow case, and counted cross stitch pictures. Topics covered second semester include health and wellness, nutrients, food groups and good nutrition, meal planning, kitchen safety and sanitation, ingredient measuring basics, food preparations skills, cooking techniques, table settings and etiquette, five cooking labs, and introduction to Child Development.

Prerequisite(s): None

FAMILY AND CONSUMER SCIENCE II (FACS II) (1.0 credit)

100402

This course enhances the foundational skills introduced in FACS I. Practical application activities are implemented in the areas of personal and family living, wellness, nutrition and foods, financial management, living environments, clothing and textiles and building employability skills to enhance life and work. Students continue to apply skills helping them to fulfill their responsibilities with the work of the family and the community through simulated experience. Emphasis is on applying knowledge to real life situations. Skills in mathematics, communication, science, technology, and personal and interpersonal relationships are reinforced in this course. Students may need to purchase fabric for specific projects.

Prerequisite(s): FACS I

MEDICAL OCCUPATIONS (1.0 credit)

090930

This course is designed to determine the health care career/medical occupation most suited to the student's goal by learning the specifics of each role and the factors that affect professional performance. This is an introductory course designed to provide the student with an

exploratory experience that offers information on a variety of health care/medical occupations' fields. Education and responsibilities of various medical occupations will be explored, along with basic concepts common to all health careers. These concepts include: medical terminology, safety and accident prevention, infection control, standard precautions, legal responsibilities, professionalism, clinical skills such as vital signs/height/weight, and an introduction to anatomy and physiology. Oral and written skills are reinforced in this course through simulated in-school lab activities designed for the student to develop clinical skills and professional behaviors.

Prerequisite(s): None

MEDICAL TERMINOLOGY (1.0 credit)

090151

This course provides the student with the ability to identify medical terms by analyzing their components. Emphasis is placed on defining medical prefixes, root words, suffixes and abbreviations. The primary focus is on skill development, both oral and written, of the language utilized for communication in the health care professions. Students will learn medical terms for each system of the body. We will utilize system by system approach with a widened emphasis on disease & disorders.

Prerequisite(s): None but Medical Occupations is encouraged

SPORTS MEDICINE I (0.5 credit) / SPORTS MEDICINE II (0.5 credit)

090720 / 090721

This course will provide an overview of the field of sports medicine as well as expose students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the study of medicine and how the field of sports medicine is unique in its focus and delivery of healthcare. Topics covered in this class include an examination into the different career paths in the sports medicine field and how each medical profession contributes to a coordinated sports medicine healthcare delivery team. A cornerstone of the field of sports medicine is risk management and injury prevention. Students will be able to participate in skills that healthcare providers utilize to reduce injuries in sports medicine settings. Students are given the opportunity to obtain their CPR certification. The second semester will provide students with an overview of the pathology of sports injuries and basic management skills. Students will learn about the body's response to an injury and how to apply emergency action principles and skills. An emphasis is placed on an athlete's psychological and sociological response to an injury and coping strategies utilized by healthcare professions to assist them to recovery.

Prerequisite(s): None but Medical Occupations is encouraged; Open to 10th-12th grade; Sports Medicine I is a prerequisite for Sports Medicine II

SPORTS MEDICINE III (1.0 credit)

090722

Students will study advanced principles of prevention, assessment, rehabilitation and administration by working through project-based learning projects.

Prerequisite(s): Sports Medicine II; Open to 11th-12th graders

FIRST RESPONDER (1.0 credit)

090711

Emergency Medical Responder (EMR) is an entry level Emergency Medical Services course. Topics of instruction include the EMS system, roles and responsibilities of the EMR, basic cardiac life support, as well as pathology, assessment, and care of the traumatized or acutely ill patient. Skills sessions cover patient assessment, soft tissue injury care, splinting, patient packaging, patient movement, and radio communication.

Prerequisite(s): None, but Sports Medicine I and II are encouraged; Open to 11th – 12th graders

CERTIFIED NURSING ASSISTANT (2.0 credits)

090237

This course prepares students for employment and certification in hospitals, doctor's offices, home health agencies, long-term care facilities or anywhere basic bedside nursing care is needed. Classroom instruction includes an introduction to health care, infection control, basic nursing skills, body structure and function, and the job-seeking process as it relates to the health care industry. Students obtain CPR certification through the nursing assistant course. Students participate in clinical activities in health care facilities under the supervision of the instructor. All OBRA Skill Standards are included into this competency-based curriculum. Certification is obtained at the end of the course provided that students complete required clinical hours and pass the certification exam.

Prerequisite(s): Medical Occupations, Medical Terminology, or Sports Medicine I/II; Open to 11th and 12th graders

FORENSICS (0.5 credit)

155050

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

Prerequisite(s): None; 10th – 12th graders

COMMUNICATIONS

SPEECH I (1.0 credit)

051101

This course covers the fundamentals of communication including structured speeches, debate, poetry, and storytelling. Students are offered opportunities to practice presentation skills learned in class by presenting for audiences.

Prerequisite(s): None

INTRO TO YEARBOOK & NEWSPAPER: Desktop Publishing (1.0 credit)

040207

This is an introductory course to the fundamentals of yearbook and newspaper, which includes but is not limited to taking notes, interviewing strangers, conducting research, drawing layouts, writing captions, taking and editing pictures, writing captions and stories on a deadline, and designing pages. Students interested in working on the school yearbook and newspaper are encouraged to take this class first. A large portion of the class will be devoted to writing and learning the correct ways to develop captions and stories for the yearbook and newspaper. From selling ads to preparation of content for the printer, the students will spend the year preparing themselves for a role on either the yearbook or newspaper staff.

Prerequisite(s): None. Students should have a strong interest in being a member of the yearbook or newspaper staff.

PUBLICATIONS I: Yearbook I (1.0 credit)

Fee: \$20

050603

This is a full year course that includes the production of the school yearbook. Emphasis is on writing, designing, and use of Adobe E-Design, business management and photography. This is a co-curricular class that will require after-school hours to complete deadlines satisfactorily. Enrollment in a yearbook course is mandatory for any student wishing to be on the Corral staff. Students should apply in January/February of the current school year.

Prerequisite(s): Instructor Approval based on application, academic record, and discipline record. Formal middle school staff may apply. Intro to Yearbook & Newspaper Recommended.

PUBLICATIONS II: Yearbook II (1.0 credit)

Fee: \$20

050604

This is a full year course designed to build upon the concepts, software applications, design techniques and knowledge of equipment previously learned in Publications I. The student assumes greater responsibility in the planning, designing and financing of the yearbook for successful publication. This is a co-curricular class that will require after-school hours to complete deadlines satisfactorily. Students should apply in January/February of the current school year.

Prerequisite(s): Publications I; Instructor Approval based on application, academic record, and discipline record

JOURNALISM I: TV Production I (1.0 credit)

Fee: \$35

312800

This course offers an introduction to television studio and field production. The course will acquaint students with the technical and aesthetic concepts involved in successful studio and field production. Students will develop skills through a series of in-class exercises, studio and field exercises and critical evaluations of past and present production styles. This course is designed to familiarize students with the processes and tools associated with video production. Special emphasis is placed on single and multi-camera techniques with emphasis on professional aptitudes and attitudes.

Prerequisite(s): Instructor approval based on essay application, academic record, and discipline record

JOURNALISM II: TV Production II (1.0 credit)

Fee: \$35

312805

This course involves learning the basics and practical skills involved in television production. Students will develop skills in the technical and aesthetic concepts involved in successful studio and field production by actively working on the production of our WZHS program. Students will develop skills through a series of in-class exercises, studio and field exercises and critical evaluations of past and present production styles. This course is designed to familiarize students with the processes and tools associated with video production. Special emphasis is placed on single and multi-camera techniques with emphasis on professional aptitudes and attitudes. Students selected for this course will be expected to participate in class-related activities outside of the school day frequently.

Prerequisite(s): Journalism I; Instructor approval based on essay application, academic record, & discipline record

COLLEGE & CAREER PREPARATION

QUEST FOR SUCCESS (1.0 credit)

080411

This course has 8 units which are carefully planned to help students progress from knowing and being aware of themselves to leading responsibly and leveraging these skills in identifying personal and career goals and planning for the future. It includes a variety of industry-aligned performance tasks that simulate the real world of work and support the development of employability skills, such as collaboration, resource management, and communication. Students will also learn about high-growth, industry sectors and career pathways.

Prerequisite(s): None

COMPUTER TECHNOLOGY LITERACY (1.0 credit)

040220

This course introduces students to the basic concepts of computer science and challenges them to explore how computing and technology can impact the world. The course takes a wide lens on computer science by covering topics such as programming, physical computing, web development, design, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing, so all students understand how these concepts are transforming the world in which we live.

Prerequisite(s): None

LAW STUDIES (1.0 credit)

220506

This course is designed to provide students with practical information about the law and to provide problem-solving opportunities that will assist in the development of knowledge and skills necessary to succeed in today's society. The course will include a study of the major types of law (criminal, civil, juvenile, etc.), as well as the US Constitution and major civil rights laws, as well as a focus on business and personal law.

Prerequisite(s): None

COMPUTER ARCHITECTURE I—CompTIA A+ (1.0 credit)

061111

COMPUTER ARCHITECTURE II—CompTIA Network + (1.0 credit)

310800

COMPUTER ARCHITECTURE III—CompTIA Security+ (1.0 credit)

310805

COMPUTER ARCHITECTURE IV – Internship* (1.0 credit)

061198

In this series of courses, students will be taught basic computer maintenance, repair and troubleshooting techniques. With these skills, students will develop systematic problem-solving skills, team work, workplace readiness skills, ethics, reliability, record keeping, on-site job mentoring, and phone skills. Students will also disassemble several generations of computers and reassemble them, noting similarities and differences between the various models. As each computer is disassembled and reassembled, various faults will be inserted into them, and students will have to discuss in groups what the best solutions to the problem are.

Prerequisite(s): Instructor Approval based on application and teacher recommendations; Students must have a strong interest in being a Computer Technician. Limited Seats Available.

ACT PREP (0.5 credit)

400107

This course is designed for students who want to score well on their ACT test or to improve their ACT scores. Students will receive intensive instruction in English, Math, Reading, and Science and will learn test-taking strategies for the test. Multiple practice tests will be given to better prepare students for the ACT.

Prerequisite(s): Open to 11th – 12th graders

SPECIAL EDUCATION

These courses are for students who are identified as Special Education and have an IEP.

APPLIED ELA I

500051

APPLIED ELA II

500056

APPLIED ELA III

500057

APPLIED ELA IV

500058

These courses are designed to provide students with grade level and age appropriate literature materials, including poems, biographies, chapter books, fiction and non-fiction works that are adapted to the students' reading level. Students will participate in discussions to express an opinion, share ideas and information, and ask and respond to questions relevant to the topic. The course content reflects significant modification of the core curriculum to meet the individual needs of the student.

APPLIED MATH I

500052

APPLIED MATH II

500059

APPLIED MATH III

500060

APPLIED MATH IV

500061

These courses are designed to provide students with instruction related to the development of mathematical concepts, including addition, subtraction, comparing quantities, money, time, and using measurements required in daily living activities. The course content reflects significant modification of the core curriculum to meet the individual needs of the student.

APPLIED SCIENCE I

500053

APPLIED SCIENCE II

500062

APPLIED SCIENCE III

500063

APPLIED SCIENCE IV	500064
These courses will provide students with instruction related to functional science activities, including identification of objects, comparison of the physical properties and attributes of objects, knowledge of basic weather, and the understanding of plants, animals, body parts, and senses. The course content reflects significant modification of the core curriculum to meet the individual needs of the student.	
APPLIED SOCIAL STUDIES I	500054
APPLIED SOCIAL STUDIES II	500065
APPLIED SOCIAL STUDIES III	500066
APPLIED SOCIAL STUDIES IV	500067
These courses are designed to provide students with instruction on skills and concepts related to events, people, and themes in the community and in history. The course content reflects significant modification of the core curriculum to meet the individual needs of the student.	
STUDY SKILLS I	500100
STUDY SKILLS II	500101
STUDY SKILLS III	500102
STUDY SKILLS IV	500103
These courses are designed to assist students with learning, understanding, and reinforcing concepts and/or assignments presented in the general curriculum. Students will have the opportunity to develop and strengthen good study habits and learning strategies through various instructional methods and strategies.	
TRANSITION: FOUNDATIONAL EMPLOYMENT SKILLS	500204
This course is designed to introduce students to the transition services planning process. Instruction will include workforce-readiness skills and concepts, including general work habits (timeliness and staying on task), relationships within the work environment (listening to feedback and working with others), work attitudes (demonstrating initiative and setting personal goals), and communication skills (customer service and problem-solving).	
TRANSITION: EMPLOYMENT SAMPLING I	500200
TRANSITION: EMPLOYMENT SAMPLING II	500216
TRANSITION: EMPLOYMENT SAMPLING III	500217
TRANSITION: EMPLOYMENT SAMPLING IV	500218
These courses will introduce students to a variety of occupations aligned with the 16 National career clusters. Instruction and activities will include ongoing transition assessments that explore students' vocational interests, job seeking skills, and employability skills.	
TRANSITION: EMPLOYMENT I	500201
TRANSITION: EMPLOYMENT II	500219
TRANSITION: EMPLOYMENT III	500220
TRANSITION: EMPLOYMENT IV	500221
These courses are designed to allow students to apply the skills obtained in Employment Sampling on actual job sites. Instruction and activities will include job seeking skills, employability skills, competitive employment, supported employment job shadowing, volunteer work, and possible internships.	
TRANSITION: EDUCATION/TRAINING I	500202
TRANSITION: EDUCATION/TRAINING II	500222
TRANSITION: EDUCATION/TRAINING III	500223
TRANSITION: EDUCATION/TRAINING IV	500224
These courses are designed to address skills that prepare students to actively explore post-secondary education options. Instruction will address various options, such as universities, community college, and vocational training programs. Activities will include completing applications, accessing disability service offices, and identifying financial aid and scholarship opportunities.	
TRANSITION: INDEPENDENT LIVING I	500203
TRANSITION: INDEPENDENT LIVING II	500225
TRANSITION: INDEPENDENT LIVING III	500226
TRANSITION: INDEPENDENT LIVING IV	500227
These courses are designed to address those skills or tasks that contribute to successful independent functioning in adulthood. Instruction will include personal care, recreation and leisure, community participation, use of public transportation, and personal finances. Activities will include accessing community resources, such as vocational rehabilitation and developmental disabilities services.	

STEM PATHWAYS

It is highly recommended that incoming 9th graders have a C or better in Math & Science in 8th grade in order to take a STEM course.

All students are expected to hold and maintain a 2.0 unweighted GPA in the STEM courses.

INTRODUCTION TO COMPUTATIONAL THINKING - LSU Partnership (1.0 credit)

061140

This course introduces students to the basic ideas of computational thinking and its applications to problem solving in STEM fields. Students will use an open source, Web-based programming environment to create code for simple drawings, animations and simulations, through which they learn how to use abstraction, decomposition and pattern recognition to model problems and arrive to an algorithmic solution. Students taking Algebra I concurrently with this course will benefit the most.

Prerequisite(s): None

LSU DIGITAL DESIGN & EMERGENT MEDIA

DIGITAL STORY TELLING - LSU Partnership (1.0 credit)

040241

***DOES fulfill the Art requirement for the TOPS diploma

This is a project-based learning (PBL) inspired course that utilizes a PBL assessment guide in addition to thoughtful integrated learning. Throughout the course, experimentation and the practice of storytelling through the lenses of multiple mediums allows students to develop narrative reasoning skills, while simultaneously giving them a realm to be creative and challenged. The purpose of this course is to get our students to become creators rather than just consumers. The course focuses on content creation, specifically in the realms of: Visual, Auditory, Video-graphic, and Interactive Storytelling.

Prerequisite(s): None

SOUND DESIGN - LSU Partnership (1.0 credit)

080020

***DOES fulfill the Art requirement for the TOPS diploma

Sound Design / Introduction to Computer Music (with the possibility to be offered as a dual enrollment course) that introduces students to a broad range of topics and concepts in electronic and computer music. This course will cover principles of digital audio, sound design, synthesis, Digital Audio Workstations, and sound art composition. Assignments and activities include listening, analysis, discussion, and hands-on recording and composition exercises.

Prerequisite(s): None

PROGRAMMING FOR DIGITAL MEDIA – LSU Partnership (1.0 credit)

040243

This course will introduce a broad array of topics related to digital media through project- oriented programming of graphics, audio, and hardware applications. The motivation for this course is to provide a basic introduction to computer programming using subjects that are relevant or appealing to students who are new to technological fields of study, with little to no prior programming experience. After an introduction to coding concepts, the course will focus on real-time graphics rendering and user interaction, sound design, basic electronics and physical computing, and communication mechanisms.

Prerequisite(s): None

LSU PRE-ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN - LSU Partnership (1.0 credit)

110801

This course is designed to introduce the profession, ethics, and diversity of the field of engineering to students in their first year of high school. The course will allow students to explore the 10 primary concentrations within engineering by listening to guest speaker lectures, working on an interactive project with a team, and presenting the results of their project to the class. Specifically, this course will emphasize that the engineer is a team worker who needs strong skills in technical problem solving, engineering design, ethical decision making, and communicating to diverse audiences.

Prerequisite(s): None

Zachary High School

STEM Pathways for 2020-21 and Beyond

LSU Digital Design and Emergent Media:

- Students are immersed in the 21st century field of digital and media production. This STEM pathway specializes in developing skills and creativity through digital programming and coding, media arts, and the web.
- Related Careers: Computer and Software Engineering, Computer Science, Graphic Design, Web Design, IT

Silver Seal	4 core classes	<ul style="list-style-type: none"> • Intro to Computational Thinking • Digital Storytelling • Programming for Digital Media • Coding for the Web
Gold Seal	4 core classes above PLUS 4 additional classes	Choose any 4: <ul style="list-style-type: none"> • Probability & Statistics AP • Sound Design • Photography I • Calculus AB or BC AP • Digital Image & Motion Graphics • Data Manipulation & Analysis • Digital Media Capstone

Sample Schedules:

9 th grade	10 th grade	11 th grade	12 th grade
<ul style="list-style-type: none"> • Algebra I • Civics • English I • Physical Science • PE / Health / JROTC • Media Arts I • Intro to Computational Thinking 	<ul style="list-style-type: none"> • Geometry • World Geography • English II • Biology • PE / JROTC • Foreign Lang #1 • Digital Storytelling 	<ul style="list-style-type: none"> • Algebra II • US History • English III • Chemistry • Foreign Lang #2 • Sound Design • Prog for Digital Media 	<ul style="list-style-type: none"> • World History • English IV • Physics • Prob & Stats AP • Coding for the Web • Digital Image & Motion Graphics • Digital Media Capstone
<ul style="list-style-type: none"> • Geometry • Govt & Politics AP • English I • Environmental Sci AP • PE / JROTC • Foreign Lang #1 • Intro to Computational Thinking 	<ul style="list-style-type: none"> • Algebra II • Human Geo AP • English II • Biology • Foreign Lang #2 • Comp Tech Lit • Digital Storytelling 	<ul style="list-style-type: none"> • US History • English III • Chemistry • PE / Elective / JROTC • Prob & Stats AP • Prog for Digital Media • Digital Image & Motion Graphics 	<ul style="list-style-type: none"> • World History AP • English IV • Physics I AP • Calculus AB AP • Coding for the Web • Digital Media Capstone
8 th grade: Algebra I, Health			
<ul style="list-style-type: none"> • Geometry • Govt & Politics AP • English I • Environmental Sci AP • Foreign Lang #2 • Comp Tech Lit • Intro to Computational Thinking 	<ul style="list-style-type: none"> • Algebra II • Human Geo AP • English II • Biology • PE / JROTC • Sound Design • Digital Storytelling 	<ul style="list-style-type: none"> • US History AP • English III AP • Chemistry • PE / Elective / JROTC • Prob & Stats AP • Prog for Digital Media • Digital Image & Motion Graphics 	<ul style="list-style-type: none"> • Euro History AP • English IV AP • Physics I AP • Calculus AB AP • Coding for the Web • Digital Media Capstone
8 th grade: Algebra I, Foreign Lang #1, Health			

Students are not bound to the schedules above. Please speak to your child's counselor.

LSU Pre-Engineering:

- Students are immersed in the fundamentals of various types engineering and robotics through the use of hands on projects. This STEM Pathway is designed to introduce students to the profession of engineering and to build skills necessary to understand and interpret engineering concepts.
- Related Careers: Biological, Chemical, Electrical, Mechanical, and Petroleum Engineering; Construction Management, Surveyor, Drafting

Silver Seal	4 core classes	<ul style="list-style-type: none"> Intro to Computational Thinking Intro to Engineering Design Robotics Engineering Design & Development
Gold Seal	4 core classes above PLUS 4 additional classes	Choose any 4: <ul style="list-style-type: none"> Environmental Science AP Probability & Statistics AP Biology II AP Chemistry II AP Physics I AP Calculus AB or BC AP Data Manipulation & Analysis

Sample Schedules:

9 th grade	10 th grade	11 th grade	12 th grade
<ul style="list-style-type: none"> Algebra I Civics English I Physical Science PE / Health / JROTC Foreign Lang #1 Intro to Computational Thinking 	<ul style="list-style-type: none"> Geometry World Geography English II Biology PE / JROTC Foreign Lang #2 Intro to Engineering Design 	<ul style="list-style-type: none"> Algebra II US History English III Chemistry Art elective Robotics Biology II AP 	<ul style="list-style-type: none"> Pre-Calculus World History English IV Physics I AP Prob & Stats AP Engineering Design & Dev Data Manip & Analysis
<ul style="list-style-type: none"> Geometry Govt & Politics AP English I PE / JROTC Foreign Lang #1 Environmental Sci AP Intro to Computational Thinking 	<ul style="list-style-type: none"> Algebra II Human Geo AP English II Biology PE / Elective / JROTC Foreign Lang #2 Intro to Engineering Design 	<ul style="list-style-type: none"> Pre-Calculus US History AP English III Chemistry Art elective Robotics Biology II AP 	<ul style="list-style-type: none"> World History English IV Calculus AB or BC AP Physics I AP Engineering Design & Dev Data Manip & Analysis
8 th grade: Algebra I, Health			
<ul style="list-style-type: none"> Geometry Govt & Politics AP English I PE / JROTC Foreign Lang #1 Environmental Sci AP Intro to Computational Thinking 	<ul style="list-style-type: none"> Algebra II Human Geo AP English II Biology PE / Elective / JROTC Art elective Intro to Engineering Design 	<ul style="list-style-type: none"> Pre-Calculus US History AP English III AP Chemistry Robotics Physics I AP Prob & Stats AP 	<ul style="list-style-type: none"> World History AP English IV AP Calculus AB or BC AP Engineering Design & Dev Data Manip & Analysis
8 th grade: Algebra I, Foreign Lang #2, Health			

Students are not bound to the schedules above. Please speak to your child's counselor.

DUAL ENROLLMENT & ADDITIONAL COURSE OFFERINGS

Zachary High School utilizes SCA and TOPS Early Start which is provided by the Louisiana State Government to further educational opportunities that are not provided in local schools. In doing so, if a course is not offered at ZHS or if a student is interested in Dual Enrollment opportunities, the students at Zachary High School may take courses concurrently with their Zachary High School schedule. Courses offered and supported by SCA are updated yearly, subject to change each year, and is dependent upon state approval and financial backing.

Baton Rouge Community College (BRCC)

Students that meet BRCC eligibility requirements may take select courses either at a BRCC campus or through BRCC Online when applicable, schedule and pathway permitting. Only seniors may take courses at BRCC sites and transportation is not provided by ZCSD. Underclassman may take BRCC courses online. ALL Students must meet BRCC and State guidelines including, but not limited to, GPA, ACT Scores, and specific prerequisites per course.

- ARTS 1023 – Introduction to Fine Arts
- BIOL 1013 – General Biology I
- BIOL 1033 – Biology I for Science Majors
- BIOL 1043 – Biology II for Science Majors
- CHEM 1003 – Intro to Chemistry
- CHEM 1123 – Chemistry I for Science Majors
- CHEM 1133 – Chemistry II for Science Majors
- MATH 2125 – Calculus II
- MATH 2134 – Multidimensional Calculus
- MATH 2904 – Differential Equations & Linear Algebra
- MILLWRIGHT—Multiple trade courses within Millwright—BRCC Jackson Site
- PHIL 1013 – Introduction to Philosophy
- SOCL 2013 – Introduction to Sociology

Southeastern Louisiana University (SELU)

Students that meet SELU eligibility requirements may take select courses at Zachary High School, schedule and pathway permitting. Only Juniors and Seniors may participate in this program, per SELU requirements. ALL Students must meet SELU and state guidelines including but not limited to GPA, ACT Scores, and specific prerequisites per course.

- Advanced Math DE
- English IV DE

Supplemental Course Allocation (SCA)

Students are eligible to take courses not offered at ZHS and are within the SCA Provider Directory, schedule and pathway permitting. All courses offered through online providers are subject to change each year.

- Advanced JavaScript, Programming, & Web Development
- AP Art History
- AP Macroeconomics
- AP Microeconomics
- Criminal Justice Elective
- Introduction to Programming
- Java Programming 1
- Veterinary Science
- German I
- German II
- Latin I
- Latin II
- Chinese I
- Chinese II

Scheduling for the above-mentioned courses

When: May 18th – May 29th

Where: ZHS Counseling Office

Contact: See Mr. Jarreau

Zachary High School Course Request 2021 – 2022

Last Name: _____ First Name: _____ Grade: _____

_____ TOPS University _____ TOPS Tech (Jump Start) Pathway: _____

ENGLISH	MATH	SCIENCE	SOCIAL STUDIES
<input type="checkbox"/> English I <input type="checkbox"/> English I (H) <input type="checkbox"/> English I Gifted <input type="checkbox"/> English II <input type="checkbox"/> English II (H) <input type="checkbox"/> English II Gifted <input type="checkbox"/> Business English <input type="checkbox"/> English III <input type="checkbox"/> English III (H) <input type="checkbox"/> English III (AP) <input type="checkbox"/> English III Gifted (AP) <input type="checkbox"/> Technical Writing <input type="checkbox"/> English IV <input type="checkbox"/> English IV (DE) <input type="checkbox"/> English IV (AP)	<input type="checkbox"/> Algebra I <input type="checkbox"/> Algebra I (H) <input type="checkbox"/> Business Math <input type="checkbox"/> Geometry <input type="checkbox"/> Geometry (H) <input type="checkbox"/> Math Essentials <input type="checkbox"/> Algebra II <input type="checkbox"/> Algebra II (H) <input type="checkbox"/> Financial Literacy <input type="checkbox"/> Algebra III <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Pre-Calculus (H) <input type="checkbox"/> Pre-Calculus (DE) <input type="checkbox"/> Prob. & Stats (AP) <input type="checkbox"/> Calculus (AP) - AB <input type="checkbox"/> Calculus (AP) - BC	<input type="checkbox"/> Physical Science <input type="checkbox"/> Physical Science (H) <input type="checkbox"/> Biology I <input type="checkbox"/> Biology I (H) <input type="checkbox"/> Biology II (AP) <input type="checkbox"/> Anatomy & Phys (H) <input type="checkbox"/> Chemistry <input type="checkbox"/> Chemistry (H) <input type="checkbox"/> Chemistry II (AP) <input type="checkbox"/> Earth Science <input type="checkbox"/> Environmental Sci <input type="checkbox"/> Environmental Sci (AP) <input type="checkbox"/> Physics <input type="checkbox"/> Physics I (AP)	<input type="checkbox"/> Civics <input type="checkbox"/> Civics (H) <input type="checkbox"/> US Government & Pol (AP) <input type="checkbox"/> World Geography <input type="checkbox"/> World Geography (H) <input type="checkbox"/> Human Geography (AP) <input type="checkbox"/> US History <input type="checkbox"/> US History (H) <input type="checkbox"/> US History (AP) <input type="checkbox"/> World History <input type="checkbox"/> World History (H) <input type="checkbox"/> World History (AP) <input type="checkbox"/> European History (AP) <input type="checkbox"/> Psychology (AP)
JROTC / PHYS. EDUCATION	FOREIGN LANGUAGE	AGRICULTURE & TRADES	BUSINESS
<input type="checkbox"/> JROTC I <input type="checkbox"/> JROTC II <input type="checkbox"/> JROTC III <input type="checkbox"/> JROTC IV <input type="checkbox"/> Health (1/2) <input type="checkbox"/> Phys. Ed. (1/2) <input type="checkbox"/> Phys. Ed. (Year) <input type="checkbox"/> Phys. Ed. (Athletic) List sport: _____ _____ _____	<input type="checkbox"/> French I <input type="checkbox"/> French II <input type="checkbox"/> French II (H) <input type="checkbox"/> French III (H) <input type="checkbox"/> French Lang & Cul (AP) <input type="checkbox"/> Spanish I <input type="checkbox"/> Spanish II <input type="checkbox"/> Spanish II (H) <input type="checkbox"/> Spanish III (H) <input type="checkbox"/> Spanish Lang & Cul (AP)	<input type="checkbox"/> Agriscience I <input type="checkbox"/> Agriscience II <input type="checkbox"/> Agriscience III <input type="checkbox"/> Ag Leadership <input type="checkbox"/> Workplace Safety <input type="checkbox"/> Carpentry I (2 Units) <input type="checkbox"/> Carpentry II (2 Units) <input type="checkbox"/> Electrical I (1 Unit) <input type="checkbox"/> Electrical II (1 Unit) <input type="checkbox"/> Welding I (2 Units) <input type="checkbox"/> Welding II (2 Units) <input type="checkbox"/> CTE Internship	<input type="checkbox"/> Intro to BCA (IBCA) <input type="checkbox"/> Bus Comp App (BCA) <input type="checkbox"/> Principles of Business <input type="checkbox"/> Entrepreneurship <input type="checkbox"/> Hosp & Tour / Lodging <input type="checkbox"/> Coop Office Ed (COE) <input type="checkbox"/> Coop Marketing I (DECA) <input type="checkbox"/> Accounting I (1/2) <input type="checkbox"/> Web Design (1/2) <input type="checkbox"/> Personal Finance (1/2) <input type="checkbox"/> Customer Service (1/2)
VISUAL ARTS	PERFORMING ARTS	HUMAN SCIENCES	COMMUNICATIONS & CAREER
<input type="checkbox"/> Art I <input type="checkbox"/> Art II <input type="checkbox"/> Art III <input type="checkbox"/> Art IV <input type="checkbox"/> Studio Art 2D (AP) <input type="checkbox"/> Photography I <input type="checkbox"/> 3D Visual Design <input type="checkbox"/> Ceramics / Sculpture <input type="checkbox"/> Ceramics II <input type="checkbox"/> Architectural/Graphic Arts <input type="checkbox"/> Fine Arts Survey <input type="checkbox"/> Media Arts I <input type="checkbox"/> Digital Media II <input type="checkbox"/> Digital Media III <input type="checkbox"/> Media Arts IV <input type="checkbox"/> Talented Art I <input type="checkbox"/> Talented Art II <input type="checkbox"/> Talented Art III <input type="checkbox"/> Talented Art IV	<input type="checkbox"/> Beginning Choir <input type="checkbox"/> Chorale Intermediate Choir <input type="checkbox"/> A Cappella Advanced Choir <input type="checkbox"/> Bronco Beat Prep Choir <input type="checkbox"/> Beginning Band <input type="checkbox"/> Advanced Band <input type="checkbox"/> Symphonic Wind Ensemble <input type="checkbox"/> Jazz Ensemble <input type="checkbox"/> Percussion I <input type="checkbox"/> Percussion II <input type="checkbox"/> Guitar I <input type="checkbox"/> Guitar II <input type="checkbox"/> Guitar III <input type="checkbox"/> Theater I, Non-performance <input type="checkbox"/> Theater I, Performance <input type="checkbox"/> Theater II <input type="checkbox"/> Theater III <input type="checkbox"/> Theater IV <input type="checkbox"/> Technical Theater I <input type="checkbox"/> Technical Theater II <input type="checkbox"/> Technical Theater III <input type="checkbox"/> Technical Theater IV	<input type="checkbox"/> Nut & Food/Adv Nut & Food <input type="checkbox"/> Pro Start I <input type="checkbox"/> Pro Start II <input type="checkbox"/> Child Development <input type="checkbox"/> FACS I <input type="checkbox"/> FACS II <input type="checkbox"/> Medical Occupations <input type="checkbox"/> Medical Terminology <input type="checkbox"/> Sports Medicine I / II <input type="checkbox"/> Sports Medicine III <input type="checkbox"/> First Responder <input type="checkbox"/> CNA (2 Units) <input type="checkbox"/> Forensics (1/2)	<input type="checkbox"/> Speech I <input type="checkbox"/> Intro to YB & NP <input type="checkbox"/> Publications I <input type="checkbox"/> Publications II <input type="checkbox"/> Journalism I <input type="checkbox"/> Journalism II <input type="checkbox"/> Quest for Success <input type="checkbox"/> Computer Tech Literacy <input type="checkbox"/> Law Studies <input type="checkbox"/> Computer Architecture I <input type="checkbox"/> Computer Architecture II <input type="checkbox"/> Computer Architecture III <input type="checkbox"/> Computer Architecture IV <input type="checkbox"/> ACT Prep (1/2)
SPECIAL EDUCATION		SENIORS ONLY	STEM PATHWAYS
<input type="checkbox"/> Study Skills I <input type="checkbox"/> Study Skills II <input type="checkbox"/> Study Skills III <input type="checkbox"/> Study Skills IV		<input type="checkbox"/> Out 4 th hour <input type="checkbox"/> Out 5 th hour <input type="checkbox"/> Out 6 th hour <input type="checkbox"/> Out 7 th hour <input type="checkbox"/> Office Aide	<input type="checkbox"/> Intro to Comp Thinking <input type="checkbox"/> Digital Storytelling <input type="checkbox"/> Sound Design <input type="checkbox"/> Prog for Digital Media <input type="checkbox"/> Intro to Eng Design

Scheduling information:

- Your selections determine what courses will be offered to students in the master schedule.
- Students are expected to select classes carefully and to maintain a firm commitment to continue enrollment in their classes.
- Course changes will not be made to accommodate extra-curricular schedules, personal, teacher, or period preferences.

Student signature _____ Date _____