



Greetings Students,

We are extremely fortunate in the School District of La Crosse to be able to provide you with a tremendous variety of excellent course and program options. The comprehensive list of course offerings detailed in this high school course guide is evidence of the wide spectrum of learning opportunities for you to consider.

With the array of course options herein, it is important that you review the courses prior to completing your registration sheets. To help the process of course selection, we encourage you to have thoughtful conversations about the various options with caring resource people in your life (e.g. your parent(s)/guardian(s), teachers, additional family members, friends, etc.). Clearly, your school counselor is a critically important resource as she/he/they can assist you in formulating the most effective pathway to meeting both your high school goals and your "career and college" aspirations.

Our goal in the School District of La Crosse is to make your high school experience meaningful, relevant, and memorable. Finally, we are in a continuous process of improvement, innovation, and growth; so, if you have ideas regarding how we can enhance our course offerings, please let us know!

Office of Curriculum, Instruction and Assessment

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Katie Green, Dean of Students
Mark Ambrose, Activities Director
Kirsten Jandrin, School Counselor
Ryan Schaller, School Counselor
Andrea Welter, School Counselor
Meredith Tomesh, School Counselor

Logan High School Staff:

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Tony DePaolo, Associate Principal
Beth Forde, Dean of Students
Tony Servais, Activities Director
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Dariyan Admas, School Counselor
Amanda Eichenberg, School Counselor

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Greg Fenton, Supervisor of Special Education
Garrett Fischer, Supervisor of Summer School
Cassie Tolvstad, Coordinator of World Language
Jen Kalis, Coordinator of 4K

High School Mission Statement

The high school will establish an educational program which provides students the opportunities to develop skills and behavior necessary for current and future success.



Goals

1. Develop and apply problem solving, critical thinking and information gathering skills.
2. Develop global, environmental and cultural awareness.
3. Develop all forms of communication skills.
4. Grow in creativity and aesthetic awareness.
5. Acquire basic knowledge to function in society.
6. Develop attitudes which encourage life-long learning.
7. Function in an ever changing technological environment.
8. Participate in alternative programs based on needs.
9. Participate in a comprehensive co-extra curricular activities program to enhance lifelong skills.
10. Enhance interpersonal skills and responsible behavior.
11. Develop healthy, mental, physical and social well-being.
12. Provide preparation for advanced training in either academic or vocational fields to enable each child to choose and pursue life work intelligently.

Philosophy of Education

The School District of La Crosse believes that its primary responsibility is to provide excellence in education for all children and to assure that each will be a successful student. The district will devote its energies and resources to achieve this goal within the means of the community. Our objective is to provide students with instruction in subjects which are necessary to develop skills for successful and productive lives and to stimulate the development of intellectual capabilities, emotional well-being, productive citizenship and each individual's potential.

Digital Course Guide



Four Guiding Questions

The following questions guide students and teachers as we teach and learn.

1. What should I know and be able to do as I learn in my course(s)?

What are the essential learning standards my teacher(s) have outlined for me to learn?

2. How will I know if I learned it?

What is the evidence that I am learning? Examples might include:

Teacher Feedback

Scores / Points

Self Review

Assessment Results

3. What do I do if I experience trouble learning in my course(s)?

Will I redo an assignment?

Will I retake an assessment?

Will I ask for help?

4. What do I do if I already know what is being taught?

Will I extend my learning in my course(s) by talking with my teacher to learn at my level?

Will I select a different course that is more appropriate for me?

*Earn the high school experience and the high school transcript that empowers your future!

*Your teachers, counselors and principals are ready to help!

*Your future is waiting for you!

Graduation Requirements

English	4.0 credits
Math	3.0 credits
Science	3.0 credits
Social Studies	3.0 credits
Physical Education	1.5 credits
Health	.5 credit
Personal Finance	.5 credit
Electives	8.5 credits

Total required for Graduation: 24

*Additional Graduation Considerations:

1. All students must complete and pass the Wisconsin Civics Graduation Assessment modeled after the Naturalization Test used by the United States Citizenship and Immigration Services. This assessment is a graduation requirement recently established by state statute (WI ACT 55).

Summer School

Students may take a course for credit during Summer School. A variety of original credit options will be offered. Please see the Summer School Course Guide for more information.

Public Notice of Nondiscrimination Policy

It is the policy of the School District of La Crosse, pursuant to s. 118.13 Wisconsin Statutes and PI 9 that no person on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability, may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, co/extra-curricular, pupil services, recreational, or other program or activity.

This chapter does not intend to prohibit the provisions of special programs or services that are located in specific schools and are based upon objective standards of individual need or performance to meet the needs of pupils, including gifted and talented, special education, school-aged parents, bilingual bicultural, at risk and other special programs; or programs designed to overcome the effects of past discrimination.

These procedures shall not limit a parent or adult student's access to the impartial due process hearing procedures authorized by chapter 115 of WI Statutes or the Individuals with Disabilities Education Act.

1. Inquiries related to Title IX of the Federal Education Amendments of 1972, (prohibits discrimination on the basis of sex), Title VI of the Civil Rights Act of 1964 (prohibits discrimination on the basis of race and national origin), Chapter I of Title I ESEA of 1965 as amended in 1988 (education of the disadvantaged), or Wisconsin Statutes relating to race, religion, national origin, ancestry, creed, or sexual orientation may be directed to:

Associate Superintendent/Instruction
School District of La Crosse
807 East Avenue South
La Crosse, WI 54601
(608) 789-7654

2. Inquiries related to Section 504 of the Federal Rehabilitation Act of 1973, (mandates civil rights for persons with disabilities), the Americans with Disabilities Act of 1990 (prohibits discrimination on the basis of disabilities), the Individuals with Disabilities Education Act, Wisconsin Statutes Chapter 115 and Wisconsin Administrative Code PI 11 (provides for the education of children with disabilities) and statutes relating to pregnancy, marital or parental status may be directed to:

Director of Student Services
School District of La Crosse
807 East Avenue South
La Crosse, WI 54601
(608) 789-7655

Director of Human Resources
School District of La Crosse
807 East Avenue of South
La Crosse, WI 54601
(608) 789-7650

**Courses Offered By
Central and Logan High Schools**

Agriculture

ID	Course	Open To	Credit	Length	Page
680	Introduction to Agriculture	9, 10, 11, 12	.5	Semester	15
681	Animal Care	9, 10, 11, 12	.5	Semester	15
682	Plant Science & Greenhouse	9, 10, 11, 12	.5	Semester	15
683	Wildlife Management	9, 10, 11, 12	.5	Semester	16

Art

ID	Course	Open To	Credit	Length	Page
450	Art I	9, 10, 11, 12	1.0	Year	17
451	Art Drawing II	10, 11, 12	.5	Semester	17
452	Art Drawing III	10, 11, 12	.5	Semester	17
453	Painting II	10, 11, 12	.5	Semester	17
454	Painting III	10, 11, 12	.5	Semester	17
455	Sculpture II	10, 11, 12	.5	Semester	17
456	Sculpture III	10, 11, 12	.5	Semester	17
457	Art Seminar	11, 12	.5	Semester	17
459	Digital Art	10, 11, 12	.5	Semester	18
460	AP Art Studio	11, 12	.5	Semester	18
461	Fiber Arts Explorations (Logan)	10, 11, 12	.5	Semester	18
462	Influence Art	9, 10, 11, 12	.5	Semester	18

Business and Marketing Education

ID	Course	Open To	Credit	Length	Page
500	Keyboarding For Everyone	9, 10, 11, 12	.5	Semester	19
507	Accounting I	10, 11, 12	.5	Semester	19
508	Accounting II	10, 11, 12	.5	Semester	20
509	Accounting III	11, 12	.5	Semester	20
510	Personal Finance	10, 11, 12	.5	Semester	20
512	Introduction to Marketing	9, 10, 11, 12	.5	Semester	20
513	Advanced Marketing	11, 12	.5	Semester	20
515	Hospitality and Tourism	10, 11, 12	.5	Semester	20
516	Business Law	10, 11, 12	.5	Semester	21
517	Computer and Internet Applications	9, 10, 11, 12	.5	Semester	21
520	Introduction to Business	9, 10, 11, 12	.5	Semester	21
522	Management and Entrepreneurship	10, 11, 12	.5	Semester	21
538	International Business	11, 12	.5	Semester	21
549	Sports and Entertainment Marketing	10, 11, 12	.5	Semester	21
550	Web Design	10, 11, 12	.5	Semester	22

College and Career Readiness

ID	Course	Open To	Credit	Length	Page
705	College and Career Readiness	9	1.0	Year	23
706	College and Career Readiness	10	1.0	Year	23
707	College and Career Readiness	11	1.0	Year	23
708	College and Career Readiness	12	1.0	Year	23

Computer Science

ID	Course	Open To	Credit	Length	Page
270	Intro to Programming I	9, 10, 11, 12	.5	Semester	24
271	Intro to Programming II	9, 10, 11, 12	.5	Semester	24
273	Computer Programming Seminar	10, 11	.5	Semester	24
274	AP Computer Science Principles	10, 11, 12	1.0	Year	24
545	CISCO Networking Certification Pathway I (Logan)	10, 11, 12	.5	Semester	25/54
546	CISCO Networking Certification Pathway II (Logan)	10, 11, 12	.5	Semester	25/54
547	CISCO Networking Certification Pathway III (Logan)	11, 12	.5	Semester	25/54
548	CISCO Networking Certification Pathway IV (Logan)	11, 12	.5	Semester	25/54
551	Computer Construction Maintenance	9, 10, 11, 12	.5	Semester	25/55

English Language Arts

ID	Course	Open To	Credit	Length	Page
201	English 9	9	1.0	Year	26
202	Honors World Humanities English	9	1.0	Year	26
205	English 10	10	1.0	Year	26
208	Pre-AP English	10	1.0	Year	26
210	English 11	11	1.0	Year	27
213	AP English Language and Composition 11	11	1.0	Year	27
217	Creative Writing	11, 12	.5	Semester	27
228	English 12	12	1.0	Year	27
233	AP English Language and Composition 12	12	1.0	Year	27
230	Theatre I	9, 10, 11, 12	.5	Semester	27
231	Theatre II	9, 10, 11, 12	.5	Semester	27
234	Literacy Through a Equity Lens	9, 10	.5	Semester	27
740	Fundamentals of English I	9, 10, 11, 12	1.0	Year	28
741	Fundamentals of English II	9, 10, 11, 12	1.0	Year	28
215	Horror & Mystery Literature	11,12	.5	Semester	28
224	Film Studies	11, 12	.5	Semester	28
225	Outdoor Literature	11, 12	.5	Semester	28
232	Poetry In Our World	12	.5	Semester	28

Family and Consumer Sciences

ID	Course	Open To	Credit	Length	Page
552	Fashion and Fabrics I	9, 10, 11, 12	.5	Semester	29
553	Child Development	9, 10, 11, 12	.5	Semester	29
558	Foods for Life	9, 10, 11, 12	.5	Semester	29
559	Advanced Foods	10, 11, 12	.5	Semester	29
560	World Cuisine	10, 11, 12	.5	Semester	30
562	Human Connection	11, 12	.5	Semester	30
566	Housing and Interior Design I	9, 10, 11, 12	.5	Semester	30
567	Housing and Interior Design II	10, 11, 12	.5	Semester	30
571	Assistant Childcare Teacher	10, 11, 12	.5	Semester	30
577	Child Care Co-op	11, 12	.5	Semester	30
579	Foundations of Teacher Education I	11, 12	.5	Semester	31
554	Fashion and Fabrics II	10, 11, 12	.5	Semester	31

Health

ID	Course	Open To	Credit	Length	Page
430	Holistic Health Practices	10, 11, 12	.5	Semester	32
432	Self Awareness Health	9, 10, 11, 12	.5	Semester	32

Health Science

ID	Course	Open To	Credit	Length	Page
573	Exploring Healthcare Careers	9, 10, 11, 12	.5	Semester	33

Mathematics

ID	Course	Open To	Credit	Length	Page
246	Advanced Math Topics	11, 12	.5	Semester	34
247	Introduction to Statistics	11, 12	.5	Semester	34
248	AP Statistics	11, 12	1.0	Year	34
249	Pre-Algebra	9, 10, 11, 12	1.0	Year	34
254	Algebra I (also Extended for Grades 9-12)	9, 10, 11, 12	1.0	Year	35
257	Geometry (also Extended for Grades 9-12)	9, 10, 11, 12	1.0	Year	35
258	Honors Geometry	9, 10, 11, 12	1.0	Year	35
260	Algebra II (also Extended for Grades 11-12)	9, 10, 11, 12	1.0	Year	35
261	Honors Algebra II	9, 10, 11, 12	1.0	Year	36
262	Pre-Calculus	9, 10, 11, 12	1.0	Year	36
263	Algebra III	11, 12	1.0	Year	36
266	AP Calculus	9, 10, 11, 12	1.0	Year	36

Music

ID	Course	Open To	Credit	Length	Page
101	Band	9, 10, 11, 12	1.0	Year	37
102	Honors Band (Logan)	9, 10, 11, 12	1.0	Year	37
103	Honors Treble Choir (Logan)	9, 10, 11, 12	1.0	Year	38
104	Music Theory	9, 10, 11, 12	.5	Semester	38
107	Music Appreciation / Soundscapes	9, 10, 11, 12	.5	Semester	38
108	Select Choir (Logan)	10, 11, 12	1.0	Year	38
108	Robed Choir (Central)	10, 11, 12	1.0	Year	38
110	Honors Select Choir (Logan)	10, 11, 12	1.0	Year	39
110	Honors Robed Choir (Central)	10, 11, 12	1.0	Year	39
112	Bass Choir	9, 10, 11, 12	1.0	Year	39
114	Treble Choir	9, 10, 11, 12	1.0	Year	39
115	Honors Bass Choir (Logan)	9, 10, 11, 12	1.0	Year	39
118	Orchestra I	9, 10, 11, 12	1.0	Year	40
119	Honors Orchestra I (Logan)	9, 10, 11, 12	1.0	Year	40
120	Orchestra II (Central)	9, 10, 11, 12	1.0	Year	40
120	Orchestra II (Camerata Logan)	9, 10, 11, 12	1.0	Year	40
121	Honors Orchestra II (Honors Camerata Logan)	9, 10, 11, 12	1.0	Year	41
117	Modern Music Ensemble ~ Rock Band	9, 10, 11, 12	.5	Semester	41

Physical Education

ID	Course	Open To	Credit	Length	Page
400	Fitness and Wellness	9, 10, 11, 12	.5	Semester	42
410	Fit For Life	10, 11, 12	.5	Semester	42
412	Selective PE	10, 11, 12	.5	Semester	43
413	Adventure Education	10, 11, 12	.5	Semester	43
415	Junior Leaders	11	.5	Semester	43
980	PE Classroom Assistant	12	1.0	Year	43
418	Competitive Activities 12	12	.5	Semester	43
420	Lifetime Activities	11, 12	.5	Semester	43
422	Lifeguard Training (Logan)	10, 11, 12	.5	Semester	43
423	Weight Training I	10, 11, 12	.5	Semester	43
424	Weight Training II	10, 11, 12	.5	Semester	44
425	Weight Training III	11, 12	.5	Semester	44

Science

ID	Course	Open To	Credit	Length	Page
300	Transitions Science (Logan)	9	1.0	Year	45
301	Science Matters	10, 11, 12	1.0	Year	45
304	Biology	9, 10, 11, 12	1.0	Year	45
305	Honors Biology	9, 10, 11, 12	1.0	Year	46
306	Environmental Science	11, 12	.5	Semester	46
307	Biotechnology	11, 12	.5	Semester	46
308	Chemistry	10, 11, 12	1.0	Year	46
309	AP Biology	11, 12	1.0	Year	46
310	Honors Chemistry	10, 11, 12	1.0	Year	46
311	AP Chemistry	11, 12	1.0	Year	47
312	Biology 105 (Central)	11, 12	.5	Semester	47
314	Physics	11, 12	1.0	Year	47
316	AP Environmental Science	11, 12	1.0	Year	47
317	AP Physics	11, 12	1.0	Year	47
318	Anatomy / Physiology I (Only offered in Semester 1)	11, 12	.5	Semester	48
319	Anatomy / Physiology II (Only offered in Semester 2)	11, 12	.5	Semester	48
322	Astronomy	11, 12	.5	Semester	48
616	Principles of Engineering (Project Lead The Way)	10, 11, 12	1.0	Year	48
324	Forensic Science	11, 12	.5	Semester	48

Social Studies

ID	Course	Open To	Credit	Length	Page
346	Skill Building World History / Geography (Logan)	9, 10	1.0	Year	49
351	Skill Building Civics (Logan)	11, 12	.5	Semester	49
352	World History	9, 10, 11, 12	1.0	Year	50
353	U.S. History	10, 11, 12	1.0	Year	50
354	U.S. Government	11, 12	.5	Semester	50
355	Economics	12	.5	Semester	50
356	Workplace Economics (Logan)	12	.5	Semester	50
357	Psychology	10, 11, 12	.5	Semester	50
358	Sociology	10, 11, 12	.5	Semester	50
359	Global Issues	10, 11, 12	.5	Semester	50
360	Introduction To Global Health	11, 12	.5	Semester	51
363	Lands and Cultures of the World	10, 11, 12	.5	Semester	51
364	Honors World Humanities (Logan)	9	1.0	Year	51
366	AP U.S. History	10, 11, 12	1.0	Year	51
367	AP European History	11, 12	1.0	Year	51
368	AP U.S. Government and Politics	11, 12	.5	Semester	51
373	AP World History (Central)	9, 10, 11, 12	1.0	Year	51
374	AP Psychology	10, 11, 12	1.0	Year	52
371	AP Economics	12	1.0	Year	52

Technology and Engineering

ID	Course	Open To	Credit	Length	Page
545	CISCO Networking Certification Pathway I (Logan)	10, 11	.5	Semester	25/54
546	CISCO Networking Certification Pathway II (Logan)	10, 11	.5	Semester	25/54
547	CISCO Networking Certification Pathway III (Logan)	11, 12	.5	Semester	25/54
548	CISCO Networking Certification Pathway IV (Logan)	11, 12	.5	Semester	25/54
551	Computer Construction and Maintenance	9, 10, 11, 12	.5	Semester	55
600	Photography (Logan)	10, 11, 12	.5	Semester	56
602	Video Production and Movie Making (Logan)	10, 11, 12	.5	Semester	56
603	Creative Metals & Woods	10, 11, 12	.5	Semester	56
604	Introduction to CAD & Architecture	9, 10, 11, 12	.5	Semester	56
605	Architecture CAD Design	10, 11, 12	1.0	Year	56
606	Photography / Video Production (Central)	9, 10, 11, 12	.5	Semester	56
609	Introduction to Engineering Design (Project Lead The Way)	9, 10, 11, 12	1.0	Year	55
611	Manufacturing Systems	10, 11, 12	1.0	Year	56
612	Small Engines, Welding & Fabrication I	10, 11, 12	1.0	Year	56
614	Graphics Arts and Design (Logan)	10, 11, 12	1.0	Year	56
614	Graphics Arts and Design (Central)	10, 11, 12	.5	Semester	56
616	Principles of Engineering (Project Lead The Way)	11, 12	1.0	Year	55
617	Digital Electronics (Project Lead The Way)	10, 11, 12	1.0	Year	55
618	Computer Integrated Manufacturing (Project Lead The Way)	11, 12	1.0	Year	55
624	Small Engines, Welding & Fabrication II	11, 12	1.0	Year	57
626	Graphics Art II	11, 12	.5	Semester	57
628	Graphics Art III (Logan)	11, 12	1.0	Year	57
633	Building Construction (Logan)	11, 12	2.0	Year	57
634	Woods II	10, 11, 12	1.0	Year	57
638	Woods I	9, 10, 11, 12	.5	Semester	57
639	Woods III	11, 12	1.0	Year	57
640	Automotive Technology	11, 12	1.0	Year	57
647	Tech Ed - Classroom Assistant	11, 12	1.0	Year	57
650	Robotics	10, 11, 12	.5	Semester	58
641	Launching into Aviation	9, 10, 11, 12	.5	Semester	58

World Language

ID	Course	Open To	Credit	Length	Page
130	Spanish VI (Logan)	11, 12	1.0	Year	59
131	Spanish Literature (Logan)	9	1.0	Year	59
140	Hmong I	9, 10, 11, 12	1.0	Year	59
141	Hmong II	10, 11, 12	1.0	Year	60
142	Hmong III	11, 12	1.0	Year	60
160	Spanish I	9, 10, 11, 12	1.0	Year	60
162	Spanish II	9, 10, 11, 12	1.0	Year	60
164	Spanish III	10, 11, 12	1.0	Year	60
166	Spanish IV (Logan)	10, 11, 12	1.0	Year	60
166	Spanish IV (Central)	11, 12	1.0	Year	60
168	Spanish V (Logan)	10, 11, 12	1.0	Year	60
168	Spanish V (Central)	12	1.0	Year	60
176	German I	9, 10, 11, 12	1.0	Year	60
178	German II	9, 10, 11, 12	1.0	Year	61
180	German III	10, 11, 12	1.0	Year	61
182	German IV	11, 12	1.0	Year	61
184	German V	12	1.0	Year	61
190	Chinese I	9, 10, 11, 12	1.0	Year	61
191	Chinese II	10, 11, 12	1.0	Year	61
192	Chinese III	11, 12	1.0	Year	61
193	Chinese IV	12	1.0	Year	62

Additional Electives

ID	Course	Open To	Credit	Length	Page
235	Yearbook Production	9, 10, 11, 12	1.0	Year	63
576	Servant Leadership	10, 11, 12	.5	Semester	63

ACE Academy

ID	Course	Open To	Credit	Length	Page
3637	Construction Systems	11	1.0	Year	66
3651	Construction Careers	11	1.0	Year	66
5617	Digital Electronics	11	1.0	Year	66
3633	Off-Site Construction	12	2.0	Semester	66
3634	Building Information Management (BIM)	12	.5	Semester	66
3635	Construction Capstone	12	.5	Year	66

Culinary Arts Academy

ID	Course	Open To	Credit	Length	Page
4000	Professionalism and Success in Culinary Operations	11, 12	.5	Semester	67
4001	Professional Culinary Food Preparation	11, 12	.5	Semester	67
5228	English 12	11, 12	1.0	Year	67
4002	Quality Customer Service in Culinary Management	11, 12	.5	Semester	67
4003	Intro into Baking and Pastry	11, 12	.5	Semester	67

La Crosse Engineering Academy

ID	Course	Open To	Credit	Length	Page
5317/5314	AP Physics / Physics	11	1.0	Year	68/69
5620	Engineering Processes	11	.5	Semester	68
5619	Industrial Robotics and Programmable Logic Controllers	11	.5	Semester	68
5617	Digital Electronics	11	1.0	Year	68
5228	English 12	12	1.0	Year	68/69
5545	CISCO Computer Networking I	12	.5	Semester	69
5621	Microcontrollers & Programming Applications	12	.5	Semester	69
5221	Engineering Design Capstone	12	1.0	Year	69

Student Classroom Assistant and/or Peer Tutoring may be available in some content areas. Please see a school counselor if interested.

Health Science Academy

ID	Course	Open To	Credit	Length	Page
2000	HSA-Anatomy and Physiology	11	1.0	Year	70
2001	HSA-Health Occupations I	11	.5	Year	70
2003	HSA-Medical Terminology	12	.5	Semester	70
2008S	HSA-Global Partners Experience (Summer elective)	12	.5	Semester	70
2012	HSA-Advanced Anatomy and Physiology	12	.5	Semester	70
2015	HSA-Health Occupations Advanced	12	1.0	Year	70
2359	HSA-Global Issues in Healthcare	12	1.0	Year	71
2420	HSA-Exercise Physiology	11	.5	Semester	70
2374	HSA-AP Psychology	11	1.0	Year	70

Additional School District Information

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Agriculture

Agriculture, food, and natural resources systems produce the food, fiber, fuel that are essential to daily life as well as contribute to the nation's economic wealth. Agriculture is a science that contributes to the development, improvement, and sustainability of living things. With more than 23 million jobs in some facet of American agriculture, it is the nation's largest employer. Come expand your view of agriculture through real-life situations, while increasing your skills in leadership, problem solving, and critical thinking.

Agriculture Course Offerings

9th Grade, 10th Grade, 11th Grade and 12th Grade
Introduction to Agriculture
Animal Care*
Plant Science & Greenhouse*
Wildlife Management

***Dual Credit, see Appendix page (73) for explanation.**

680	Introduction to Agriculture	.5 Credit	Semester	9, 10, 11, 12
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This course is designed to give the student an introduction to agriculture and careers in agriculture. This exploration course provides the opportunity to learn fundamental concepts in agriculture to serve as a foundation for future courses and to inform students about the industry that is so vital to society and to their future. Major units of instruction include an introduction to the agricultural industry, animal science, plant science, horticulture science, agribusiness, environmental science, agricultural mechanics, food science, and leadership and personal development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Special areas of interest feature laboratory work, field trips, guest speakers, and hands-on experiences.

681	Animal Care	.5 Credit	Semester	9, 10, 11, 12
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Are you interested in learning the details of caring for animals? This is a great class to get an in-depth look at animal anatomy and physiology, vaccinations, animal growth, reproduction, breeding, selection and feeding. Students will be able to learn how to administer shots, check animal health, and get a good look into the animal industry. The focus will include domestic animals, including pets and horses. We will look at how animals need to be cared for, along with how they are an important part of agriculture. Laboratory activities are offered in animal selection and evaluation, breed identification, health care and handling. This is an entry level class which will expand your knowledge on animals all around us. Students will also have the chance to learn about career opportunities with animals and hear from professionals.

682	Plant Science & Greenhouse	.5 Credit	Semester	9, 10, 11, 12
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The world around us is green, but how often do we stop to think about the leaves, lettuce, and how the sun (lights) provide the world with energy. The following topics will be covered: Plant breeding and development, plant nutrition, plant parts, plant species/varieties, hydroponics & aquaponics, and in-home gardening. Other topics/projects could include bonsai trees, poinsettias, holiday wreaths, stepping stones, floral arrangements. Explore one of the fastest growing careers in the agricultural industry - horticulture, landscaping, and plant science. Whether you plan to become a doctor, plant breeder, agronomist, biologist, or simply want to garden in the future, this class is for you! *With the addition of Greenhouse, time may be spent working with plants in the greenhouse.*

683	Wildlife Management	.5 Credit	Semester	9, 10, 11, 12
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Hunting! Fishing! Hiking! Many of us enjoy spending time outdoors, but how much do we actually know about the deer we hunt, fish we catch, or trees we see? In this course we will discover the natural world around us and across Wisconsin. We will learn about wildlife, fish, and our natural resources. This course will not only be about hunting or how to hunt/fish, but will also revolve more around the species we hunt and fish and how to properly care for and manage our natural resources. Topics will include: introduction to natural resources, white tail deer, turkey, duck, fish, conservation, dendrology (study of trees), state/national parks, and careers. Other topics/project wildlife identification, archery, survival in the outdoors, tying flies, designing duck calls, geocaching, taxidermy (fish and/or squirrel) and so much more.

Art

The Art Program is designed to provide students the opportunity to reach their potential through art activities and experiences which impart knowledge, develop skills, and stimulate life-long visual and sensory awareness and appreciation.

Art Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Art I Influence Art	Art I Art Drawing II*, III Painting II, III Sculpture II, III Digital Art Fiber Arts Exploration (Logan) Influence Art	Art I Art Drawing II*, III Painting II, III Sculpture II, III Digital Art AP Art Studio Art Seminar Influence Art

***Dual Credit, see Appendix Page (73) for explanation.**

450	Art I	1.0 Credit	Year	9, 10, 11, 12
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Art I is a course designed for all students interested in learning fundamentals of drawing, painting, printmaking, sculpture, commercial design, and art appreciation, while exploring the properties of various media, the importance of art history through creative problems and critical thinking skills.

451/452	Art Drawing II / Art Drawing III	.5 Credit	Semester	10, 11, 12
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Prerequisite: Art I and Art Drawing II or consent of the instructor

Art Drawing II/III provides intermediate or advanced experiences in pencil, charcoal, ink, conte crayon, pastels, commercial design, and art appreciation. Students successfully completing one semester of Art Drawing II/III may elect to take a second semester, which will focus on creativity and self-expression using skills and materials covered in the first semester's work.

453/454	Painting II / Painting III	.5 Credit	Semester	10, 11, 12
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Prerequisite: Art I and Painting II or consent of the instructor

Painting II/III provides intermediate or advanced experiences in watercolor, acrylic, oil, tempera, commercial design, and art appreciation. Students successfully completing one semester of Painting II/III may elect to take a second semester, which will focus on creativity and self-expression using skills and materials covered in the first semester's work.

455/456	Sculpture II / Sculpture III	.5 Credit	Semester	10, 11, 12
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Prerequisite: Art I, Sculpture II or consent of the instructor

Sculpture II/III provides intermediate or advanced experiences in subtractive and additive sculpture using clay, wood, plastics, metals, and other media; in addition, elements of commercial design and art appreciation will be emphasized. Students successfully completing one semester of Sculpture II/III may elect to take a second semester, which will focus on creativity and self expression using skills and materials covered in the first semester's work.

457	Art Seminar	.5 Credit	Semester	11, 12
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Prerequisite: Art I, Drawing II/III (2 sem), Painting II/III (2 sem), Sculpture II/III (2 sem), Digital Art, photography or consent of the instructor

Art Seminar is designed as an independent study for students with serious interest and advanced skills in art. Course goals and objectives will be designed by the student and instructor. Students may earn .5 credits in each discipline of: Drawing, Painting, Sculpture, Photography and Digital Art.

459	Digital Art	.5 Credit	Semester	10, 11, 12
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Prerequisite: Art I

Digital Art is for students who want to learn how to create art with technology. Students will use computers, video, and a variety of other technologies to complete projects in illustration, layout, and animation. Digital Art will provide an opportunity to learn about the new tools being used by practicing artists and art careers which utilize this technology.

460	AP Art Studio	.5 Credit	Semester	11, 12
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Prerequisite: Art I, Art Drawing II and Art Drawing III in their respective field of study

Advanced Placement Art is designed for students with serious interest and advanced skills in art. Course goals and objectives will be designed by the student and the instructor, concentrating on self-expression in two or three dimensional design or in drawing. Advanced Placement Honors Art is taught as a college level art course. It is designed for the most dedicated students who wish to earn college credit.

461	Fiber Arts Explorations (Logan)	.5 Credit	Semester	10, 11, 12
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Prerequisite: Art I

In this introductory level course, students develop skills and cultivate conceptual ideas related to the fibers medium. Traditional and experimental materials will be used to explore such techniques as knitting, crochet, weaving, dying, felting, embroidery, piecing, and applique. Topics will include the historical relevance of fibers, its relationship to ideas such as labor, identity, decoration, and functionality, and what textiles have to offer within the expanded field of contemporary art.

462	Influence Art	.5 Credit	Semester	9, 10, 11, 12
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Influence Art is an art course that delves into the transformative power of art throughout history and explores how art can be a catalyst for positive change in the community and the world. This course focuses on understanding the profound influence art has had on societies and individuals and empowers students to create meaningful art for community causes and social justice initiatives.

Business and Marketing

Business and Marketing's primary mission is to prepare students for business occupations and to teach students about business. Education about business focuses on those aspects of business that affect every member of Society. Preparation for business occupations focuses on the preparation of individuals to own or operate their own business or be a worker in a business career.

Business and Marketing Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Keyboarding for Everyone	Keyboarding for Everyone	Keyboarding for Everyone
Introduction to Marketing*	Accounting I*, II*	Accounting I*, II*, III
Computer and Internet Applications*	Personal Finance*	Personal Finance*
Introduction to Business*	Introduction to Marketing*	Introduction to Marketing*
	Computer and Internet Applications*	Advanced Marketing*
	Hospitality & Tourism	Computer and Internet Applications*
	Business Law	Hospitality & Tourism
	Introduction to Business*	Business Law
	Management & Entrepreneurship	Introduction to Business*
	Sports and Entertainment Marketing*	Management & Entrepreneurship
	Web Design	International Business
		Sports and Entertainment Marketing*
		Web Design

***Dual Credit, see Appendix Page (73) for explanation.**

500	Keyboarding for Everyone	.5 Credit	Semester	9, 10, 11, 12
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Keyboarding is an essential skill for everyone! Whether you are going on to postsecondary schooling or straight into the workforce, keyboarding technique is crucial. This independently run one-semester course is designed to work with students with varying levels of keyboarding experience. Students with little or no keyboarding experience will learn basic keyboarding technique followed by drill and focus on improving speed and accuracy. Students with intermediate and advanced keyboarding skills will be given a brief review of the keyboard followed by drill and focus on improving speed and accuracy. All students will learn document processing skills relative to postsecondary education and employability skills.

507	Accounting I	.5 Credit	Semester	10, 11, 12
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Accounting I is recommended for students with an interest in going into business today as an owner or employee. It is designed to give students knowledge of the basic concepts of double-entry accounting systems. Students will gain an understanding of the accounting cycle for a sole proprietorship and a merchandising business. Topics covered include the journalizing of transactions, posting to ledger accounts, payroll, and end-of-period financial statements and reports. Students interested in any of business will very likely be required to take accounting during their post-secondary education.

508	Accounting II	.5 Credit	Semester	10, 11, 12
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Recommendation: Accounting I

Accounting II will build upon the basic accounting skills that were developed in the first-semester course. Students will be using special journals when working with sales and accounts receivable, and purchases and accounts payable. Activities include preparation of payroll records and taxes, notes payable and receivable, calculating depreciation on plant assets, and maintaining inventory records. Students will have the opportunity to complete a realistic accounting simulation that will reinforce accounting procedures and techniques utilized in solving business problems and making financial decisions. Accounting is the language of business, and this course will prove beneficial to students entering any post secondary business program or the world of work.

509	Accounting III	.5 Credit	Semester	11, 12
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Recommendation: Accounting II

Students will expand their knowledge of Accounting Systems learned in Accounting I and II by utilizing automated computer software. Students use accounting software to help manage, store, calculate, post, retrieve, analyze, and print accounting information as well as to prepare financial reports. Students will become familiar with the use of business papers, forms, and reports involved and interpret information common to partnerships and corporations. We will use the same software as WTC & UWL and many businesses in Western Wisconsin.

510	Personal Finance	.5 Credit	Semester	10, 11, 12
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Today more than ever, teenagers and young adults are struggling in the area of personal finance. This one-semester course helps prepare students for life after high school while giving them the knowledge and tools to take control of their financial futures. This hands-on course will include topics such as budgets, credit, financing a loan, renting an apartment, buying a home/car, consumerism, gross and net income, payroll taxes, financial institutions, savings and investments, retirement and insurance. Students will also be participating in the Reality Store and an interactive on-line financial game where students make real-life financial decisions. This is an excellent course for both personal use as well as students interested in any career in business.

512	Introduction to Marketing	.5 Credit	Semester	9, 10, 11, 12
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Introduction to Marketing is a semester course that introduces students to the exciting world of marketing management and merchandising. Students will see things from a "marketing perspective" in the areas of human relations and diversity, selling, careers, advertising and promotion, job interview, resume and more through classroom instruction, activities, and current events.

513	Advanced Marketing	.5 Credit	Semester	11, 12
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Prerequisite: Introduction to Marketing

Advanced Marketing expands on the concepts learned in Introduction to Marketing while completing a real world team project. In Advanced Marketing you will apply concepts about branding and how to market while you work with your classmates on the class project. You will come up with a project together, develop a project proposal, come up with a marketing plan, and determine the best course of action to plan and execute the class project.

515	Hospitality and Tourism	.5 Credit	Semester	10, 11, 12
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Recommendation: Introduction to Marketing

This course provides students with an overview of one of the most exciting and in demand career areas in Marketing and Business. In addition to being one of the 16 Career Clusters, this Hospitality & Tourism course will help students gain practical knowledge and skills that will be useful in their future, regardless of career choice. Topics of study include the hospitality and tourism industry, hotel and lodging industry, restaurants, management, international hospitality and tourism, legal issues, market research, E Commerce, 4 P's of Marketing, attractions, recreational events, non-profit opportunities, and career exploration. Upon completion of this course, students are eligible for Marketing FEST as a junior or senior or Business & Marketing Co-Op.

516	Business Law	.5 Credit	Semester	10, 11, 12
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Business Law is a semester in the study of principles of law as they relate to the individual citizen and consumer. Emphasis is given to preventive law, the avoidance of legal difficulties through an understanding of the rights and responsibilities of the individual, an understanding of our justice system, business contracts and related topics. The student may participate in a class mock trial and other simulations. A field trip to the courthouse will provide an opportunity to view a live trial and meet people from the law profession.

517	Computer and Internet Applications	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: Keyboarding course is strongly recommended

To be effective in the 21st century, students and employees must be able to exhibit a range of functional and critical thinking skills related to information, media and technology. In this course, students will learn skills to successfully access and evaluate information, use and manage information, create and analyze media products, and apply technology effectively for everyday use. The class has been designed using the current ISTE standards and the Microsoft Office Specialist and Internet & Computing Core Certification modules. Specific units include: Computer Fundamentals, Living On-line & Research Tools, Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. Transcribed credit available at Western Technical College.

520	Introduction to Business	.5 Credit	Semester	9, 10, 11, 12
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This one-semester course gives students a general overview of the world of business. This introductory level course allows students a chance to get a taste of other business and marketing courses which are offered at the high school level. Students will explore different topics involving business management, accounting, marketing, personal finance, maintaining a checkbook, basic budgeting, investments, ethics, business communications, entrepreneurship, and other business-related careers. Students will understand why business-related majors are one of the most popular in post-secondary education today.

522	Management and Entrepreneurship	.5 Credit	Semester	10, 11, 12
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Learn what it takes to become a successful entrepreneur or manager in the business world today! This one-semester course is designed to help students understand basic concepts of management including the characteristics, organization, and operations of a business. Students will also learn the advantages and challenges of starting up your own business. All aspects of management including human resource management, financial management, and marketing management are learned. In the last quarter of this class, students will participate in an existing one month management simulation that allows students to run their own business while working with other "managers" within their classroom. This is an essential class for students interested in any business-related career or for students who would like to explore a possible career choice in business.

538	International Business	.5 Credit	Semester	11, 12
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This one-semester course is designed with an emphasis on the ever expanding global marketplace. Without question, global business practices and international trade strongly impact the world economy. Students will leave this course with skills to compete with peers studying International Business in other leading world markets. This course will also provide a global perspective on the many career opportunities available for our 21st Century Learners. International Business will introduce students to the interrelationships between countries' social norms, political/legal systems, and business practices. Areas to be studied include: the foundations of international business, global business environment, international banking finance/investment, international business communications and culture, as well as ethical and social responsibilities in the global economy.

549	Sports and Entertainment Marketing	.5 Credit	Semester	10, 11, 12
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Recommendation: Introduction to Marketing

Sports & Entertainment Marketing introduces students to industry skills from market planning to promotion and selling with popular sports and entertainment industry examples as the foundation for learning marketing concepts. It is recommended that students complete Introduction to Marketing before this course. Topics to be covered include an introduction to sports and entertainment marketing, customer service, global marketing through the lens of sports and entertainment, economics of supply and demand, promotional planning, selling sports and entertainment, legal issues, business ownership and leadership, and lastly how to score a career in the sports and entertainment marketing field.

550	Web Design	.5 Credit	Semester	10, 11, 12
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Recommendation: Computer & Internet Applications or Emerging Web Technologies

This course teaches you how to use Macromedia Dreamweaver MX to create web pages and manage complete sites. A major benefit of Dreamweaver is that it permits you to work with the HTML code switching between direct coding and WYSIWYG modes. Macromedia Fireworks will be used to create vector graphics, edit bitmap graphics, optimize images and create rollover effects for your websites. We will also use the core features of Flash MX to add animation, movie clips, and sounds.

College and Career Readiness (CCR)

College and Career Readiness is a class that equips students with the tools to design their own futures, regardless of their postsecondary plans. Students will receive a variety of instructional best practice strategies, ranging from academic skill sets to leadership development. These skills include teaching students how to study, read, write, take focused notes, organize materials, and manage their time effectively. Students will engage daily in activities that deepen their critical thinking and analytical skills, explore their interests and postsecondary options, and explore options of rigorous courses (e.g. Pre-AP/Advancement Placement or CTE courses) that can assist in helping to advocate for themselves as learners. The skills learned in CCR can be integrated within any content area. Students in CCR classes receive targeted support and explore college and career readiness opportunities that are more closely aligned to their individual interests. The CCR classes are offered every year with a different focus.

IN ALL CCR CLASSES:

- Note-taking/Study skills
- Study groups
- Guest speakers
- College visits
- Interpersonal skills
- Academic growth skills that include: Writing, Inquiry, Collaboration, Organization, Reading

College and Career Course Offering

705	College and Career Readiness	1.0 Credit	Year	9
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1. Career exploration
2. Note-taking strategies
3. Goal Setting
4. Communication Skills
5. Personality Assessment

706	College and Career Readiness	1.0 Credit	Year	10
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1. Career exploration (continued)
2. Note-taking strategies
3. Career/life skills
4. Group work / Collaboration
5. Refine strategies

707	College and Career Readiness	1.0 Credit	Year	11
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1. ACT Prep
2. Academic Resume
3. Interviewing Skills
4. College Exploration
5. Personal Essay for College Applications

708	College and Career Readiness	1.0 Credit	Year	12
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1. Community Service
2. Scholarship Writing
3. FAFSA
4. College Applications
5. College Acceptance and Registration Processes

Computer Science

Computers will be used in the School District of La Crosse as an instructional tool that will increase student motivation, provide the flexibility to individualize curriculum content to the student's ability to learn, and prepare students for a world in which computers are commonplace.

Computer Science Course Offerings

9th Grade	10th Grade	11th and 12 Grade
Intro to Programming I, II Computer Construction Maintenance	Intro to Programming I, II AP Computer Science Principles CISCO Networking Certificate I*^, II Pathway Computer Construction Maintenance	Intro to Programming I, II Computer Programming Seminar AP Computer Science Principles CISCO Networking Certificate I*^, II III, IV Pathway Computer Construction Maintenance

***Dual Credit, see Appendix Page (73) for explanation.**

^Taught at Logan High School or offered on-line

270	Intro to Programming I	.5 Credit	Semester	9, 10, 11, 12
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This course is designed to introduce you to the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and helps students understand why certain tools or programming languages might be utilized to solve particular problems. You will learn computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. You will be introduced to interface design as well as learn about current programming languages to design programs, solve problems, and write programming code.

271	Intro to Programming II	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: Intro to Programming I or Instructor consent.

This course continues the path of Intro to Programming I. Additional programming platforms are used along with additional topics. Topics include case statements, arrays, functions, computer number systems, and boolean algebra.

273	Computer Programming Seminar	.5 Credit	Semester	11, 12
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Recommendation: Exploring Computer Science II and consent of instructor

This course is designed to provide additional programming experiences for the student wishing to broaden his/her programming skills. The student will be engaged in independent research and teacher/student programming projects. With the teacher's supervision, the student will develop programs of his/her own interest. Projects might consist of developing software that could be used by other students and teachers in other courses.

274	AP Computer Science Principles	1.0 Credit	Year	10, 11, 12
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This course introduces students to the general concepts of computer science and challenges them to explore how computing and technology can impact the world. AP Computer Science Principles is a course designed to prepare students who are new to computer science for the AP Computer Science Principles exam and the required Performance Task. The course covers topics including the Internet, App design, programming structures, algorithms, parameters, and libraries. The course introduces students to a survey of computing topics and provides a comprehension of programming, the wide variety of applications of programming and programmings' potential for our global society.

545	CISCO Networking Certification Pathway I (Logan)	.5 Credit	Semester	10, 11, 12
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This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools including PC installation, Internet connectivity, wireless connectivity, file and print sharing, and the installation of game consoles, scanners, and cameras. CISCO 1 is part of the eScholars Network and can be taken online.

546	CISCO Networking Certification Pathway II (Logan)	.5 Credit	Semester	10, 11, 12
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This course prepares students for jobs as network technicians and helps them develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide email services, web space, network monitoring and authenticated access. Students also learn the soft skills required for help desk and customer service positions, and the final chapter helps them prepare for the CCENT certification exam. CISCO Networking 2 is part of the eScholars program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I

547	CISCO Networking Certification Pathway III (Logan)	.5 Credit	Semester	11, 12
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Recommendation: Successful completion of CISCO Networking Academy I & II
 This course familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises, including configuration, installation, and troubleshooting, reinforce student learning by using CISCO routers and switches. CISCO Networking 3 is part of the eScholars program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I & II

548	CISCO Networking Certification Pathway IV (Logan)	.5 Credit	Semester	11, 12
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Recommendation: Successful completion of CISCO Networking Academy I, II & III
 This course is the final course in the CISCO Networking Academy and introduces students to network design processes using two examples; a large stadium enterprise network and a medium sized film company network; students follow a standard design process to expand and upgrade each network, which includes requirements gathering, proof-of-concept, and project management life cycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support. A hands-on review will take place toward the end of class to help prepare students for the CCNA. CISCO Networking 4 is part of the e-Scholars Program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I, II, & III

551	Computer Construction and Maintenance	.5 Credit	Semester	9, 10, 11, 12
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Computer Construction & Maintenance is a course designed to give the learner knowledge on how a computer and the operating system function. Students will work in teams to build a computer from the ground up. The student will gain knowledge on how to properly install, configure, upgrade, troubleshoot and repair microcomputer hardware. This includes basic knowledge of desktop and portable systems, basic networking concepts, and printers. The student will also gain knowledge of safety and common preventive maintenance procedures. This class will introduce the student to A+ Certification-an entry level certification exam recognized in the IT industry.

English Language Arts

The mission of the Language Arts Curriculum is to provide a program of instruction in the areas of reading, speaking, writing, listening, and thinking while recognizing the relationship between the communication skills and other learning disciplines.

English Language Arts Course Offerings

9th Grade	10th Grade	11th Grade	12th Grade
Core English: English 9	Core English: English 10	Core English: English 11	Core English: English 12
Honors World Humanities English	Pre-AP English	AP English Language and Composition 11	AP English Language and Composition 12
Fundamentals of English I	Fundamentals of English I	Fundamentals of English I	Fundamentals of English I
Fundamentals of English II	Fundamentals of English II	Fundamentals of English II	Fundamentals of English II
Elective English: Literacy Through A Equity Lens Theatre I, II	Elective English: Literacy Through A Equity Lens Theatre I, II	Elective English: Creative Writing Horror & Mystery Literature Film Studies Theatre I, II Outdoor Literature	Elective English: Creative Writing Horror & Mystery Literature Film Studies Theatre I, II Outdoor Literature Poetry In Our World

201	English 9	1.0 Credit	Year	9
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English 9 provides students with the opportunity to develop reading, writing, speaking, and listening skills that meet Wisconsin State Standards. Students will study literature and informational text as well as the research and writing process.

202	Honors World Humanities English	1.0 Credit	Year	9
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Recommendation: Teacher recommendation

Honors World Humanities provides students with the opportunity to integrate studies in World History and English in a chronological approach to major themes from early cultures through modern times. It provides students who have reached an Advanced Level of Proficiency, an opportunity to further enhance their skills. This course is part of the Advanced Placement vertical sequence.

205	English 10	1.0 Credit	Year	10
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English 10 provides students with the opportunity to advance skills in research, organization, audience adaptation, evaluation, discussion, listening, and composition. Students will analyze literature and informational text. ***This course is aligned with Wisconsin State Standards.***

208	Pre-AP English	1.0 Credit	Year	10
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Recommendation: "A" in English 9 and recommendation of 9th grade English teacher or "X" or "B" in World Humanities with teacher recommendation

Pre-AP English is designed for students who have exhibited exceptional ability and skill in language arts. (Both literature and writing are emphasized.) Students will be required to read a novel during the summer to be prepared for this class in the fall. This course is part of the Advanced Placement vertical sequence.

210	English 11	1.0 Credit	Year	11
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English 11 is designed for those students who have exhibited writing, reading, speaking, listening, and research competency and are ready to strengthen those skills. Research and argumentation will be emphasized. Literature from the 17th, 18th, 19th, and early 20th century, including foundational U.S. documents, will be studied. This course also includes ACT English Test preparation. ***This course is aligned with Wisconsin State Standards.***

213	AP English Language and Composition 11	1.0 Credit	Year	11
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Recommendation: Honors World Humanities and Pre-AP English with an “A.” Other students are required to write an essay prior to admittance into the AP program. This essay must be submitted before registering for an AP course. (See department chairperson). AP English Language and Composition 11, a full year, college-level English course, meets the course requirements set forth by the College Board. It is designed to develop students' awareness of language and literature and to train students to become mature readers and writers. Students enrolled in AP English Language and Composition 11 are encouraged to take the College Board Language AP Exam in the spring which may qualify them for college credit. Summer reading is required. This course must be taken as a full-year course.

217	Creative Writing	.5 Credit	Semester	11, 12
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Recommendation: Teacher recommendation & successful completion of Grade 9 and 10 English courses
Creative Writing is a semester course for students who wish to write and study the forms of short story fiction, poetry, and drama. The overall goal of the course is to help students use language to express their own views in writing with imagination and clarity of thought.

228	English 12	1.0 Credit	Year	12
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This course focuses on skills that will make the transition from high school to the workforce or a two-year program smoother. Writing, speaking, listening, researching, and reading will be emphasized.

230	Theatre I	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: Consent of instructor for Grades 9 and 10
Theatre I provides the student with a focus on acting and acting styles as a learned discipline, with an emphasis on characterization and performance techniques. Theatre I explores the literature and history of theatre and reveals theatre to be a source of culture, art, pleasure and self-awareness.

231	Theatre II	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: Consent of instructor for Grades 9 and 10
Theatre II is designed to provide the student with an introduction to directing and directing techniques. Various elements of acting are also addressed in this course. This course also introduces elements of stagecraft specific to set design and construction, make-up and application, lighting, sound, effects, props and general stage and house management.

233	AP English Language and Composition 12	1.0 Credit	Year	12
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Recommendation: “A” or “B” in AP English Language and Composition English 11 and teacher recommendation. Other students are required to write an essay prior to admittance into the AP program.
AP English Language and Composition 12, a full-year, college-level English course, meets the course requirements set forth by the College Board. It is designed to develop students' aptitude for interpreting literature and for writing about and discussing perception of meaning, structure, and language. Summer reading is required. This course must be taken as a full year course.

234	Literacy Through a Equity Lens	.5 Credit	Semester	9, 10
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Equity will explore issues in our society through different forms of literacy, including literary works like novels, poetry, memoirs, non-fiction texts and articles, essays, editorials, media and film. Students will have the opportunity to choose topics of interest in this semester course. Students will work in large-group, small-group, and individual settings throughout the year. Assessments will not be traditional; instead, they will be creative and project-based with multiple options for students. This course is appropriate for students of all abilities. Possible topics include social justice issues, sports, crime, music, gender studies, and technology.

740	Fundamentals of English I	1.0 Credit	Year	9, 10, 11, 12
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Fundamentals of English I is a progression for acquiring basic English skills and structures necessary for allowing new students to integrate into mainstream classes (with supports) after 3 semesters.

741	Fundamentals of English II	1.0 Credit	Year	9, 10, 11, 12
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Fundamentals of English II is a progression for acquiring basic English skills and structures necessary for allowing new students to integrate into mainstream classes (with supports) after 3 semesters.

215	Horror & Mystery Literature	.5 Credit	Semester	11, 12
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Do you love horror stories or trying to solve mysteries? This course will help to continue developing skills in reading and analyzing fiction and an introduction to the fascinating world of horror and mystery literature. In this class, we will study multiple authors from various periods and seek to understand how the earliest works of horror and mystery still influence writers today.

224	Film Studies	.5 Credit	Semester	11, 12
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Film Studies is an engaging exploration of the world of cinema. This course provides students with a foundational understanding of the art, history, and cultural significance of film. Through a combination of screenings, discussions, and assignments, students will gain the tools necessary to critically analyze and create films.

225	Outdoor Literature	.5 Credit	Semester	11, 12
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Do you enjoy hunting, fishing, hiking, camping, or just being outdoors? Outdoor Literature is a fascinating and engaging exploration of our beautiful world. This course will cover a variety of topics related to the outdoors to provide students with foundational knowledge about conservation, adventure, survival, and more. Course work will consist of a mixture of reading, podcasts, films, and, of course, GOING OUTSIDE!

232	Poetry In Our World	.5 Credit	Semester	12
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This course will allow for the study of various poets and writers, varying poetic forms, figurative language, literary devices, voice, genres, and time periods. We will read, annotate, and analyze poems, using them as inspiration and models to craft our own poetry. We will explore how song and spoken word are an integral part of the poetic experience. And we will play with language, building our vocabulary and experimenting with sound.

Family and Consumer Sciences

Family & Consumer students should develop knowledge, attitudes, and skills needed to be contributing members of families and to deal critically with family-related concerns now and as members of society.

Family and Consumer Sciences Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Fashion and Fabrics I	Fashion and Fabrics I, II	Fashion and Fabrics I, II
Child Development*	Child Development*	Child Development*
Foods for Life	Foods for Life	Foods for Life
Housing and Interior Design I*	Advanced Foods*	Advanced Foods*
	World Cuisine*	World Cuisine*
	Housing and Interior Design I*, II	Housing and Interior Design I*, II
	Assistant Childcare Teacher*	Human Connection
		Assistant Childcare Teacher*
		Child Care Co-op*
		Foundations of Teacher Education I*

***Dual Credit, see Appendix Page (73) for explanation.**

552	Fashion and Fabrics I	.5 Credit	Semester	9, 10, 11, 12
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Students will develop and refine sewing skills, learn technical sewing terminology and practice construction techniques while creating easy-to-sew projects. Students will learn how to make fashion their own through the use of patterns, sewing, and creating projects reflecting current fashion fads and trends. This course covers the history and traditions of the global fashion industry - from haute couture design to budget priced mass market apparel. Students will develop an understanding of textile basics, fashion terminology, and apply the elements and principles of design to clothing. Have fun taking what's in your closet and making it new again. *Formerly known as Fashion Design.*

553	Child Development	.5 Credit	Semester	9, 10, 11, 12
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This course is the study of the development of the child in the areas of physical, emotional, intellectual, and social growth from conception to age three. The primary units of study include child development theories, pregnancy with the use of the Empathy Belly, labor and delivery, teenage pregnancy, caring for infants with the use of the RealCare Baby simulator, guiding and caring for children, health and safety, families today and child-related careers.

558	Foods for Life	.5 Credit	Semester	9, 10, 11, 12
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Foods for Life activities will increase the students' present understanding of food choices and develop skills in preparing nutritious foods for the family. Topics include: entry level cooking, techniques, safety and sanitation, and the integration of foods for life and recipe development for eating light and healthy.

559	Advanced Foods	.5 Credit	Semester	10, 11, 12
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Prerequisite: Foods for Life

This course is the study of culinary skills, sanitation procedures, food nutrition, recipe design, culinary careers, and the preparation of various foods such as fresh pastas and sauces, candies and chocolates, comfort foods, international dishes, and cakes. The students will demonstrate learning through daily activities, cooking labs, projects, presentations, quizzes, and exams.

560	World Cuisine	.5 Credit	Semester	10, 11, 12
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Prerequisite: Foods for Life

World Cuisine enables students to develop advanced skills in food preparation. Units include regional & foreign foods, cake decorating, specialty desserts, entertaining, appetizers, sauces, spices, garnishing & more. This course is recommended for students who want to develop and practice advanced culinary skills and food preparation techniques or who are interested in pursuing a culinary career. The students will demonstrate learning through daily activities, cooking labs, projects, presentations, quizzes, and exams. Formerly known as Creative Foods.

562	Human Connection	.5 Credit	Semester	11, 12
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This is a course that challenges teens to take an in depth look at themselves and various topics they could deal with at some point in their lives. It will challenge them to look at their problem solving skills and how they deal with conflict and resolutions. We will be learning about personality, character, communication, coping skills, resource management, relationships and researching teen topics such as mental health, media and its influences on us, and so much more!

566	Housing and Interior Design I	.5 Credit	Semester	9, 10, 11, 12
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This course is the study of how to read and draw floor plans, create room arrangements, coordinate color and design of furniture, window, wall and floor treatments, and plan individualized living spaces while utilizing the principles of design. The final project brings all the learning together when students design their own dream home, calculate the cost of furnishings, and create a long-term plan for decorating.

567	Housing and Interior Design II	.5 Credit	Semester	10, 11, 12
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Prerequisite: Housing and Interior Design I

This course builds upon the elements of design, color, and decoration learned in level one. Principles of the Interior Design process will be expanded upon and applied to residential projects. Students will use critical thinking through sketching, drawing and design software included to meet potential client needs or residential spaces. Students will have an opportunity to renovate furniture or decorations, to create using fabric, sewing machines, and to renovate a space/room together as a class.

571	Assistant Childcare Teacher	.5 Credit	Semester	10, 11, 12
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Prerequisite: Childcare Development

Are you interested in a career working with children or their families? ACCT (Assistant Childcare Teacher) will jump-start your career in childcare and/or education. By taking this course and meeting the grade requirements, you will be able to attain credit at Western Technical College and several universities in elementary education. You will also attain licensure through the State of Wisconsin as a registered Assistant Childcare Teacher. Some topics included in this course are childcare classroom activities, safety, health and first aid, proper care of young children, creating meals and snacks, communicating with families, creating lessons for children, professional development, and classroom environment. A class-run daycare center is also part of the course. ****Successful completion of Child Development is required before this course. *Licensed by the State of Wisconsin—ACCT, Shaken Baby, SIDS, First Aid****

577	Childcare Care Co-op	.5 Credit	Semester	11, 12
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Prerequisite: Instructor consent, Child Development and Assistant Childcare Teacher Certification

Students have the opportunity to “earn while they learn” by working as an Assistant Childcare Teacher. Students will continue learning and applying their skills and move to the next level, earning a Child Care Teacher certificate when they graduate. Students enrolled in the child services skill certificate program will work a minimum of 15 hours per week in a licensed child care setting and participate in a complimentary high school course, which will tie the work experience and the skill certificate lessons into practical learning experiences. Upon successful completion, students will receive 2 high school credits, childcare teacher certification from the State of Wisconsin, and 3 elective credits at Western Technical College. ****Licensed by the State of Wisconsin—CCT***

579	Foundations of Teacher Education I	.5 Credit	Semester	11, 12
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This course is designed for students interested in working in the field of education. Students in this course can expect to learn more about the profession, develop skills and strategies to use in their future classrooms, and create lessons that promote relationship building as well as content.

554	Fashion and Fabrics II	.5 Credit	Semester	10, 11, 12
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Prerequisite: Fashion and Fabrics I

Fashion and Fabrics II is designed for the highly motivated student who wishes to create their own clothing and fashion items. This course builds upon the techniques learned in Fashion and Fabrics. Students will construct a variety of individual garment projects. Challenge yourself with more advanced & technical skills used in clothing construction, learn to use a commercial pattern and proper selection of fabrics. Projects will be at the sewing level for the individual student.

Health

The mission of the Health Education Curriculum is to provide a program of instruction that has a positive effect on all dimensions of a person's health. Through instruction and continuous guidance, students will be provided the knowledge and motivation necessary to help them achieve emotional, physical, intellectual, and social health habits needed to live productive and enjoyable lives in a changing world.

Health Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Self Awareness Health	Holistic Health Practices	Holistic Health Practices
	Self Awareness Health	Self Awareness Health

If the student wishes a second health course, Holistic Health Practices is the recommendation.

430	Holistic Health Practices	.5 Credit	Semester	10, 11, 12
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Holistic Health is a one-semester course designed to empower students to reach a higher level of health and well-being. The class is designed to challenge students to find harmony and balance in their life.

- A. Health and Happiness
- B. Habits of Highly Effective Teens
- C. Emotional Health and Self Actualization
- D. Natural Healing Techniques (relaxation, humor, massage, etc.)
- E. Drugs and Social Issues.
- F. Promoting Health and Wellness (TATU, SADD)
- G. Selective Health Issues (20 choices)

Each student will examine various techniques that will enhance the quality of life. The class will be able to choose from among 20 interesting health topics to discover information on their specific health concerns. The students will help design health promotion programs. The course is meant to be stimulating, thought provoking, and fun.

432	Self Awareness	.5 Credit	Semester	9, 10, 11, 12
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In Self-Awareness, students will learn about the psychological aspects of human behavior and the current health concerns of high school students. The eight major components of this class are:

- A. Health and Wellness
- B. Brain and Learning
- C. Longevity Factors
- D. Emotional Health
- E. Stress Management
- F. Healthy Eating
- G. ATOD/Drug Prevention
- H. Healthy Relationships/Sexual Health

Students will assess their current level of health in the 7 dimensions of wellness, develop healthy ways to improve each dimension, evaluate the components of psychosocial health, distinguish behaviors that resist drugs and avoid violence, and evaluate the importance of interpersonal relation skills to current issues.

Health Science

Health Science Education (HSE) prepares students for a variety of careers related to medicine, dentistry, nursing, health science, allied health, social services, veterinary science, and much more. This program provides students with the technical skills, healthcare competencies, and opportunities to obtain the knowledge necessary to satisfy the requirements for entry-level health professions. HSE is dedicated to educating today's students for tomorrow's healthcare community.

573	Exploring Healthcare Careers	.5 Credit	Semester	9, 10, 11, 12
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In the first quarter of Exploring Health Careers, students will be introduced to the healthcare system and the variety of opportunities in this career cluster. Further topics will include the legal and ethical responsibilities of healthcare professionals and cultural and global topics related to medicine. In the second quarter of the class, students will delve into the basics of anatomy and physiology and first aid that will provide a foundation for further courses. Exploring Healthcare Careers will provide a glimpse into a wide variety of healthcare positions as well as universal career skills.

Dual Credit, see Appendix Page (73) for explanation.

The La Crosse Health Science Academy is a two-year program that will provide thematic instruction, career exploration, job shadows, clinical experience, health science labs, mentoring by health professionals, research, certification, and internship opportunities for students. Please see pages 70-71.

Mathematics

The mathematics curriculum provides a broad, balanced instructional program to serve the personal, vocational and academic needs of each student. It recognizes individual growth rates and unique learning styles of children, incorporating basic math principles with futuristic needs.

Mathematics Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Core Math:	Core Math:	Core Math:
Pre-Algebra	Pre-Algebra	Pre-Algebra
Algebra I	Algebra I	Algebra I
Algebra I Extended	Algebra I Extended	Algebra I Extended
Geometry	Geometry	Geometry
Geometry Extended	Geometry Extended	Geometry Extended
Honors Geometry	Honors Geometry	Honors Geometry
Algebra II	Algebra II	Algebra II
Honors Algebra II	Honors Algebra II	Algebra II Extended
Pre-Calculus	Pre-Calculus	Honors Algebra II
AP Calculus	AP Calculus	Pre-Calculus
		AP Calculus
		Algebra III
		Advanced Math Topics
		Introduction to Statistics
		AP Statistics

246	Advanced Math Topics	.5 Credit	Semester	11, 12
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This course will have a brief review of Algebra I and Geometry concepts. It will then cover topics that include: factoring methods, functions, interpreting graphs, rational expressions, complex numbers and solving quadratic equations and inequalities, logarithmic and exponential functions and conic sections. This course is good preparation for Algebra II.

247	Introduction to Statistics	.5 Credit	Semester	11, 12
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Taking this class in high school would be good preparation for students planning on furthering their education after high school. Topics covered in this class include organizing data and looking for patterns, displaying data with graphs and curves, using measures of central tendency, analyzing with correlation and regression, designing samples and experiments, probability, and tests using standard normal calculations.

248	AP Statistics	1.0 Credit	Year	11, 12
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Recommendation: A year of Algebra II or III. Statistics is a mathematical requirement for many college majors. Topics covered in this class include exploratory data analysis, linear regression and correlation, probability, probability distributions and methods of sampling and experimental design. Students will also learn the methods of statistical inference such as hypothesis testing.

249	Pre-Algebra	1.0 Credit	Year	9, 10, 11, 12
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Pre-Algebra students will develop basic algebraic skills to help be successful in Algebra I the following year. The concepts taught in this class will be continually revisited so students have multiple opportunities to encounter and reinforce the ideas taught in class. Visual and manipulative teaching strategies will be used to help students build a foundational understanding of important abstract algebraic concepts.

254	Algebra I	1.0 Credit	Year	9, 10, 11, 12
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Algebra I is designed to develop the student's arithmetic and algebraic skills necessary for problem solving and prepares students for success in Geometry and Algebra II.

254	Algebra I Extended			
254EXE	Math	1.0 Credit	Year	9, 10, 11, 12
254EXM	Elective	1.0 Credit	Year	9, 10, 11, 12

Algebra I Extended is designed to develop the student's arithmetic and algebraic skills necessary for problem solving and prepares students for success in Geometry and Algebra II. This course covers the same curriculum as Algebra I but the student has two class periods to learn and comprehend the curriculum. The students have this course for two consecutive periods and 8-period days and one period on EL(block) days. This course allows for additional examples, questioning, collaborative work time, and time to improve their pre-algebra math skills.

257	Geometry	1.0 Credit	Year	9, 10, 11, 12
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Geometry students will develop the concepts and relationships involved with geometrical figures. Lessons will be provided that will develop the student's reasoning skills and problem solving using geometrical thinking along with using their algebraic knowledge.

257	Geometry Extended			
257EXE	Math	1.0 Credit	Year	9, 10, 11, 12
257EXM	Elective	1.0 Credit	Year	9, 10, 11, 12

Geometry Extended students will develop the concepts and relationships involved with geometrical figures. Lessons will be provided that will develop the student's reasoning skills and problem solving using geometrical thinking along with using their algebraic knowledge. This course covers the same curriculum as Geometry but the student has two class periods to learn and comprehend the curriculum. The students have this course for two consecutive periods and 8-period days and one period on EL(block) days. This course allows for additional examples, questioning, collaborative work time, and time to improve their pre-geometry math skills.

258	Honors Geometry	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Algebra I

Honors Geometry involves most of the same concepts studied in Geometry, but the approach is much more formal (more work with proofs). Students considering pursuing math-related careers should be challenged by this course.

260	Algebra II	1.0 Credit	Year	9, 10, 11, 12
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Algebra II includes a review, continuation and extension of the concepts and problem solving experienced in Algebra I and Geometry. Topics such as complex numbers, logarithmic and exponential functions, sequences and series are covered with an emphasis placed on the applications of these Algebra II concepts.

260	Algebra II Extended			
260EXE	Math	1.0 Credit	Year	11, 12
260EXM	Elective	1.0 Credit	Year	11, 12

Algebra II Extended includes a review, continuation and extension of the concepts and problem solving experienced in Algebra I and Geometry. Topics such as complex numbers, logarithmic and exponential functions, sequences and series are covered with an emphasis placed on the applications of these Algebra II concepts. This course covers the same curriculum as Algebra II but the student has two class periods to learn and comprehend the curriculum. The students have this course for two consecutive periods and 8-period days and one period on EL(block) days. This course allows for additional examples, questioning, collaborative work time, and time to improve their pre-algebra II math skills.

261	Honors Algebra II	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Algebra I and Geometry.

The topics are the same as those in Algebra II, but the emphasis is placed on logic and a more in-depth approach to the concepts and applications of Algebra II.

262	Pre-Calculus	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Algebra II or Honors Algebra II.

This is a prerequisite for AP Calculus and is at an advanced level compared to Algebra III. For those college bound students who may be leaning toward future study in math-oriented areas such as engineering, business, the sciences, and/or mathematics, Pre-Calculus should be chosen. Students will be exposed to more advanced algebra, circular and trigonometric functions, logarithmic and exponential functions, and limits.

263	Algebra III	1.0 Credit	Year	11, 12
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Algebra III is an extension of Algebra II. Students will review Algebra II and will be exposed to more advanced algebra, trigonometric functions, coordinate geometry, logarithmic and exponential functions, sequences, series, statistics and probability.

266	AP Calculus	1.0 Credit	Year	9, 10 11, 12
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Recommendation: Pre-Calculus

AP Calculus is taught as a college level math course. Topics covered include differential and integral calculus.

Music

The music program will provide for all students a variety of musical experiences to develop music literacy, promote aesthetic growth and establish a basis for a lifelong appreciation of music.

Music Course Offerings

9th Grade	10th and 11th Grade	12th Grade
Performance Classes: Band Honors Band (Logan) Treble Choir Honors Treble Choir (Logan) Bass Choir Honors Base Choir (Logan) Orchestra I, II Honors Orchestra I, II (Logan) Modern Music Ensemble ~ Rock Band Non-Performing Classes: Music Theory Music Appreciation / Soundscapes	Performance Classes: Band Honors Band (Logan) Treble Choir Honors Treble Choir (Logan) Select Choir (Logan) Robed Choir (Central) Honors Select Choir (Logan) Honors Robed Choir (Central) Bass Choir Honors Base Choir (Logan) Orchestra I, II Honors Orchestra I, II (Logan) Modern Music Ensemble ~ Rock Band Non-Performing Classes: Music Theory Music Appreciation / Soundscapes	Performance Classes: Band Honors Band (Logan) Treble Choir Honors Treble Choir (Logan) Select Choir (Logan) Robed Choir (Central) Honors Select Choir (Logan) Honors Robed Choir (Central) Bass Choir Honors Base Choir (Logan) Orchestra I, II Honors Orchestra I, II (Logan) Modern Music Ensemble ~ Rock Band Non-Performing Classes: Music Theory Music Appreciation / Soundscapes

101	Band	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Ability to play a band instrument or consent of the instructor

The Band program offers a wide variety of growth experiences throughout the year to students. The major performing groups include marching band for everyone the first quarter of school, and membership in the concert bands the remaining three quarters. Membership in either the Wind Ensemble or the Symphonic Band will be determined by audition. Band students receive a balanced program of instrumental music education. Lessons, concert and marching band, solo-ensemble, and other enrichment experiences combine to improve your individual musicianship, your intelligence, and problem solving skills in an atmosphere that's fun, rewarding, and challenging. Jazz band and Pep band are offered as co-curricular groups outside the school day.

102	Honors Band (Logan)	1.0 Credit	Year	9, 10, 11, 12
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Recommendations: Consent of the instructor

The Band program offers a wide variety of growth experiences throughout the year to students. The major performing groups include marching band for everyone the first quarter of school, and membership in the concert bands the remaining three quarters. Membership in either the Wind Symphony (Logan) or Wind Ensemble (Central) or Concert Band (Logan) or Symphonic Band (Central) will be determined by audition. Band students receive a balanced program of instrumental music education. Lessons, concert and marching band, solo-ensemble, and other enrichment experiences combine to improve your individual musicianship, your intelligence, and problem solving skills in an atmosphere that's fun, rewarding, and challenging. Jazz band and Pep band are offered as co-curricular groups outside the school day. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

103	Honors Treble Choir (Logan)	1.0 Credit	Year	9, 10, 11, 12
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Honors Treble Choir offers students an opportunity to engage in the performance and understanding of distinctive and diverse vocal literature in an enjoyable and encouraging environment. Skills required in the one credit choirs are introduced in this course. Honors Treble Choir introduces sight reading as an essential tool for cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. Honors Treble Choir gives 2-4 public performances each year. In addition, each choir participates in a clinic, festival, or contest activity. All choir students have the opportunity to participate in solo/ensemble festival. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

104	Music Theory	.5 Credit	Semester	9, 10, 11, 12
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Students develop skills in listening, aural analysis, music reading and writing and a minimal proficiency at the piano. Music students will become proficient in the use of western music notation. The students begin to assemble the skills of arranging, in order to analyze and create works of music. Advanced students in Music Theory will begin to develop skills for 4-part chorale writing. Music Theory is recommended for any students with a strong interest in music.

107	Music Appreciation / Soundscapes	.5 Credit	Semester	9, 10, 11, 12
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In Soundscapes, students use computers and synthesizers to write their own music and in the process learn about the fundamentals of music and arranging. Soundscapes has received national recognition for innovative use of technology in the classroom. The computer programs used in the course allow a wide variety of musical styles to be used. Students with music performance background (in or out of school), computer skills, or just a genuine interest in music can be successful and will enjoy this course. Prior experience in music is not necessary but helpful.

108	Select Choir (Logan)	1.0 Credit	Year	10, 11, 12
108	Robed Choir (Central)	1.0 Credit	Year	10, 11, 12

Recommendation: By audition only

Select/Robed Choir offers students an opportunity to engage in the performance and understanding of distinctive and challenging vocal literature in an enjoyable and encouraging environment. This choir emphasizes the study of 4-part sight reading as an essential tool for cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. Advanced students have the opportunity to participate in the National Association of Teachers of Singing events, to develop and present voice recitals, and to sing at numerous community activities. Select/Robed Choir is by audition only. Auditions are usually held in March/April. Audition packets are given to interested students before auditions are held. Students enrolled at the High Schools receive audition information in their current choir class. Middle school students should ask their vocal teacher for audition information. Select/Robed Choir gives several public performances in various venues throughout the Midwest. In addition, Robed Choir participates in a clinic, festival, or contest activity. All choir students have the opportunity to participate in solo/ensemble festival.

110	Honors Select Choir (Logan)	1.0 Credit	Year	10, 11, 12
110	Honors Robed Choir Central)	1.0 Credit	Year	10, 11, 12

Recommendation: Consent of the Instructor

Honors Select Choir offers students an opportunity to engage in the performance and understanding of distinctive and challenging vocal literature in an enjoyable and encouraging environment. This choir emphasizes the study of 4-part sight reading as an essential tool for cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. Advanced students have the opportunity to participate in the National Association of Teachers of Singing events, to develop and present voice recitals, and to sing at numerous community activities. Students would be required to complete three of the following: solo performance; private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

112	Bass Choir	1.0 Credit	Year	9, 10, 11, 12
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Bass Choir offers students an opportunity to engage in the performance and understanding of distinctive and diverse vocal literature in an enjoyable and encouraging environment. Skills required in the one credit choirs are introduced in this course. Bass Choir introduces sight reading as an essential tool of cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. Bass Choir gives 2-4 public performances each year. In addition each choir participates in a clinic, festival, or contest activity. All choir students have the opportunity to participate in solo/ensemble festival.

114	Treble Choir	1.0 Credit	Year	9, 10, 11, 12
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Treble Choir offers students an opportunity to engage in the performance and understanding of distinctive and diverse vocal literature in an enjoyable and encouraging environment. Treble Choir emphasizes the study of sight reading as an essential tool for cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. All choir students have the opportunity to participate in solo/ensemble festival.

115	Honors Bass Choir (Logan)	1.0 Credit	Year	9, 10, 11, 12
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Honors Bass Choir offers students an opportunity to engage in the performance and understanding of distinctive and diverse vocal literature in an enjoyable and encouraging environment. Skills required in the one credit choirs are introduced in this course. Bass choir introduces sight reading as an essential tool for cultivating personal and musical confidence. Students will learn the importance of their contribution in preparing performances and they will gain an appreciation of the process involved in creating musical excellence. All students receive individual or small group voice lessons where applicable techniques of vocal production are taught. Honors Bass Chorus gives 2-4 public performances each year. In addition, each choir participates in a clinic, festival, or contest activity. All choir students have the opportunity to participate in solo/ensemble festival. Students would be required to complete three of the following: solo performance; private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

118	Orchestra I	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Ability to play a string instrument or consent of the instructor. All string students should enroll in Orchestra 118 to ensure placement in the class. Placement in either Orchestra I or Orchestra II will be determined in May by the high school orchestra director.

High school Orchestra offers students an opportunity to engage in the performance and understanding of distinctive and challenging literature for string and chamber orchestra in an enjoyable and encouraging environment. Orchestra I (a.k.a. Sinfonia at both Logan and Central), developing students learn the importance of their contribution in preparing performances and gain an appreciation of the process involved in creating musical excellence. Skills required for current and more advanced developmental levels are introduced, reviewed and further refined. All students receive individual or small-group lessons where string techniques are taught, individually tailored to the developmental level of each student. Both the Central and Logan Orchestra I groups give several public performances each year; in addition, each group participates in a clinic, festival or contest activity. All Orchestra students have the opportunity to participate in solo/ensemble festival, and an optional annual field trip is often available.

119	Honors Orchestra I (Logan)	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: Ability to play a string instrument or consent of the instructor. All string students should enroll in Orchestra 118 to ensure placement in the class. Placement in either Orchestra I or Orchestra II will be determined in May by the high school orchestra director.

High school Orchestra offers students an opportunity to engage in the performance and understanding of distinctive and challenging literature for string and chamber orchestra in an enjoyable and encouraging environment. Orchestra I (a.k.a. Sinfonia at both Logan and Central), developing students learn the importance of their contribution in preparing performances and gain an appreciation of the process involved in creating musical excellence. Skills required for current and more advanced developmental levels are introduced, reviewed and further refined. All students receive individual or small-group lessons where string techniques are taught, individually tailored to the developmental level of each student. Both the Central and Logan Orchestra I groups give several public performances each year; in addition, each group participates in a clinic, festival or contest activity. All Orchestra students have the opportunity to participate in solo/ensemble festival, and an optional annual field trip is often available. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

120	Orchestra II (Central)	1.0 Credit	Year	9, 10, 11, 12
120	Orchestra II (Camerata Logan)	1.0 Credit	Year	9, 10, 11, 12

Membership selection is determined in each high school using a process determined by the orchestra director. The selection process will be clearly explained and made available to students during the spring semester. This information is also available by contacting the respective high school/middle school orchestra director. Orchestra II offers string students the opportunity to explore and perform many challenging styles of advanced orchestral literature. At a variety of times, wind and percussionists are invited to perform with the string orchestra to provide performance of full symphonic literature. Orchestra II emphasizes the advanced pedagogical skills as an essential tool for preparing the confidence needed to perform the more advanced literature. All string students receive individual or small group lessons to help each student with skill development. Orchestra II gives several public performances throughout the academic year. In addition, Orchestra II students also participate in a clinic, festival, or contest activity, as well as the opportunity to perform in solo/ensemble festival.

121	Honors Orchestra II (Honors Camerata Logan)	1.0 Credit	Year	9, 10, 11, 12
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Membership selection is determined in each high school using a process determined by the orchestra director. The selection process will be clearly explained and made available to students during the spring semester. This information is also available by contacting the respective high school/middle school orchestra director. Honors Orchestra II offers string students the opportunity to explore and perform many challenging styles of advanced orchestral literature. At a variety of times, wind and percussionists are invited to perform with the string orchestra to provide performance of full symphonic literature. Honors Orchestra II emphasizes the advanced pedagogical skills as an essential tool for preparing the confidence needed to perform the more advanced literature. All string students receive individual or small group lessons to help each student with skill development. Honors Orchestra II gives several public performances throughout the academic year. In addition, Honors Orchestra II students also participate in a clinic, festival, or contest activity, as well as the opportunity to perform in solo/ensemble festival. Students would be required to complete three of the following: solo performance; private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. ***Students are required to perform a solo or duet and complete two of the following: private lessons; ensemble performances outside of school; written projects; and/or mentoring projects. Consult the director for more details.***

117	Modern Music Ensemble ~ Rock Band	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: Some basic knowledge of guitar or keyboard or consent of the instructor. Rock music has been a prominent cultural force for decades, and it remains a vital form of artistic expression. Through hands-on experiences, students will develop the ability to express themselves musically, through playing guitar, bass, drums, keyboards, or as vocalists. The course will focus on giving students an opportunity to form a band, rehearse as a band, and perform as a band. Students will learn the form of popular music and perform songs that have already been written. The culminating project will be performance based. Students do not need to be well versed in any of these instruments, but a basic knowledge is helpful.

Physical Education

Physical Education in the La Crosse School District is an integral part of the total educational program. The mission of the Physical Education curriculum is to provide a program of instruction for the development of the whole individual through physical activities by emphasizing the relationship among the physical, intellectual, emotional and social wellbeing of the individual. The curriculum will provide experiences that will develop positive attitudes toward wellness and contribute to lifetime participation in physical activities.

Physical Education Course Offerings

9th Grade	10th Grade	11th Grade	12th Grade
Fitness & Wellness <i>(Course sequence recommends completion of Fitness & Wellness by the end of 10th Grade)</i>	Fitness & Wellness <i>(Course sequence recommends completion of Fitness & Wellness by the end of 10th Grade)</i> Fit For Life Selective PE Adventure Education Lifeguard Training Weight Training I, II	Fitness & Wellness <i>(Course sequence recommends completion of Fitness & Wellness by the end of 10th Grade)</i> Junior Leaders Fit For Life Selective PE Adventure Education Lifetime Activities Lifeguard Training Weight Training I, II, III	Fitness & Wellness <i>(Course sequence recommends completion of Fitness & Wellness by the end of 10th Grade)</i> Fit For Life Selective PE Adventure Education Lifetime Activities Lifeguard Training PE Classroom Assistant Weight Training I, II, III Competitive Activities 12

Physical Education Instruction in Wisconsin

School District Standards-ss121.02, Wis. Stats. Standard P

1. In grades 9-12 at least 1.5 credits of physical education incorporating effects of exercise, health-related fitness, and lifetime activities.
2. Credits must be earned over three separate years. All physical education offerings must be presented to all students in a coeducational format per Title Lx Federal Education Amendments of 1972, ss118.13 Wis. Stats. And PI 9, Wis. Admin.Code.

The base of the high school physical education program is the Fitness & Wellness course. It is suggested that students take it during their 9th grade year and recommend that it be completed by the end of their 10th grade year. The Selective PE course will include mainly 10th and 11th grade students but is also open to other students. All PE students receiving credit will complete the Fitnessgram assessment in each class.

400	Fitness and Wellness	.5 Credit	Semester	9, 10, 11, 12
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Recommendation: This course needs to be completed before the end of the 10th grade year. Emphasis will be placed on total wellness, which will include analyzing individual needs in the areas of strength, endurance, cardiovascular fitness, flexibility, and body composition. Nutrition, goal setting, dealing with stress, and consumer issues will also be covered. A complete fitness portfolio must be completed.

410	Fit For Life	.5 Credit	Semester	10, 11, 12
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Fit For Life is a course that encourages group and individual personal training. The students will learn a variety of ways to gain muscle, tone up, and continue to promote healthy living. A wide variety of activities and community resources will be utilized to promote continued lifelong fitness after high school. A tentative week plan will include: 2 days of strength training: kettlebells, free weights, stability balls, medicine balls, isometric/body resistance training and the weight room. 2 days will be used to explore a variety of activities and equipment that enhance cardiovascular and flexibility fitness. Possible activities include: hiking, yoga/pilates, biking, walking, interval training and other aerobic activities.

412	Selective PE	.5 Credit	Semester	10, 11, 12
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Recommendation: Fitness & Wellness

Selective Program Choices: Golf, Tennis/PickleBall, Badminton, Racquetball, Lacrosse, Indoor Games, Basketball, Soccer, Volleyball, Flag Football, Ultimate Frisbee, Hiking, Walking, Cross Country Skiing, Snowshoeing, In-line Skating, Bowling, Aerobics, Dance, Archery, Orienteering, Climbing Wall, Yoga, Pilates, and Kickboxing.

Aquatics-Logan only: Possibilities include: Swim Lessons, Water Aerobics, Community Water Safety, and Water Sports.

413	Adventure Education	.5 Credit	Semester	10, 11, 12
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The Adventure Education class will give the students an opportunity to study and experience activities that they can pursue for a lifetime. These activities will enhance fitness levels, improve recreational skills, and increase an awareness of nature. These units include: hiking, rock climbing, biking, disc golf, camping, orienteering, backpacking, archery, and outdoor survival skills. Students will also complete projects as required.

415	Junior Leaders	.5 Credit	Semester	11
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Recommendation: Fitness & Wellness and Selective PE and consent of the Instructor of PE Department

Junior Leader instruction provides comprehensive instruction in all phases of physical education. The course will include a variety of teaching methods and take an intense look at physical education related careers. After successful completion of this course the student may enroll in the Senior Assistant program.

980	PE Classroom Assistant	1.0 Credit	Year	12
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Recommendation: Must have satisfied 1.5 PE credit and Junior Leaders

PE Classroom Assistant experiences provide students who have successfully completed the Junior Leaders program with an opportunity to assist the professional staff with regular instruction.

418	Competitive Activities 12	.5 Credit	Semester	12
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Recommendation: Fitness & Wellness and .5 credit Selective PE

Competitive Activities 12 is designed for students who have a strong interest for individual and team sports in a competitive environment. Students will be responsible for all aspects of sport including, but not limited to: game play, officiating, scoring, and tournament design. Students will be given an opportunity to demonstrate teamwork and sportsmanship as well as sports related skills in a "high level" of competition.

420	Lifetime Activities	.5 Credit	Semester	11, 12
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Lifetime Activities is designed for the student who desires to be active in a noncompetitive environment. Students will be infusing low impact activities and technology to monitor their health and participation. Students will be introduced to a variety of units that are designed to promote lifetime activities. Possible units may include, but are not limited to: hiking, racquet sports, yoga/pilates, in-line skating, and golf.

422	Lifeguard Training (Logan)	.5 Credit	Semester	10, 11, 12
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Recommendation: .5 Selective PE Pre-Course Swim Test, \$35.00 for purchase of Red Cross texts.

This course will provide the necessary minimum skills training for a person to qualify to serve as a non-surf lifeguard - (Includes certification in First Aid, CPR for the Professional Rescuer, Lifeguard Training, and Automatic Internal Defibrillator (AED)).

423	Weight Training I	.5 Credit	Semester	10, 11, 12
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Recommendation: Fitness & Wellness

Weight Training I will be offered so the student can develop an appreciation of the components of physical fitness, muscle strength, endurance and flexibility. Practice sessions will be done in conjunction with proper training techniques and proper spotting methods.

424	Weight Training II	.5 Credit	Semester	10, 11, 12
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Recommendation: Weight Training I and Fitness & Wellness

Weight Training II will enable students an opportunity to improve or maintain their level of flexibility, muscular endurance and strength by incorporating the programs and methods learned in Weight Training I. The students will be responsible for charting their progress and understanding what level of strength and endurance is considered to be appropriate for a healthy lifestyle. Students will be expected to create their own program for their individual needs.

425	Weight Training III	.5 Credit	Semester	11, 12
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Recommendation: Weight Training I and II

Weight Training III enhances understanding and abilities in health related fitness components, expanding the concepts they have learned in Weight Training I and II. Participants design their own training program based on their individualized goals and desires. This individualized design in Weight Training III includes nutrition planning and activity scheduling components not addressed in earlier Weight Training courses. Weight Training III students will also have the opportunity to mentor Weight Training I students in their initial Weight Training program.

Science

The mission of the School District of La Crosse science curriculum is to foster in our youth a desire and enthusiasm to learn about the scientific world. The program will provide the students with the basic concepts and skills necessary to function in the present and future. The curriculum will foster student involvement, provide scientific experiences, and promote critical thinking and logical inquiry.

Science Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Transition Science (Logan) Biology Honors Biology	Science Matters Biology Honors Biology Chemistry Honors Chemistry Principles of Engineering (Project Lead The Way)	Science Matters Biology Honors Biology Chemistry Honors Chemistry Principles of Engineering (Project Lead The Way) Environmental Science Biotechnology AP Biology AP Chemistry Biology 105 (Central) Physics AP Environmental Science AP Physics Anatomy / Physiology Anatomy / Physiology II Astronomy Forensic Science

300	Transitions Science (Logan)	1.0 Credit	Year	9
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Recommendation: Recommendation by Counselor and 8th Grade teacher. Recommendation based on Science Aptitude and WSAS 8th Grade Test Score.

Transition Science is designed to provide an understanding of biological and chemical factors of the environment. Students will gain insight into science and be better prepared for success in Biology. Topics will include study skills, Math Skills, Lab Safety, Scientific Method, Measurement, Chemistry, Cells, Human Systems and Ecology, Genetics, Cell Structure; Function and Process, and Biochemistry.

301	Science Matters	1.0 Credit	Year	10, 11, 12
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Science Matters is designed to provide an understanding of the physical and chemical aspects of science. This course is an introduction to Physics and Chemistry concepts.

304	Biology	1.0 Credit	Year	9, 10, 11, 12
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Biology is designed to provide an understanding of chemical and biological aspects of the environment. Problem solving will be approached through lab activities. Students will be expected to gain an understanding of the interactions of science, technology, and society. Topics/concepts will include, Ecology, Biochemistry, Cell Structure and Function, Genetics, and Evolution.

305	Honors Biology	1.0 Credit	Year	9, 10, 11, 12
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Honors Biology is a course for students who wish to pursue a strong science/math related field. The course of study is the same as that described in regular Biology with the addition of the following:

1. Students will do one laboratory or literature research project per quarter that relates to each block of study.
2. Activities will be open ended and problem solving in nature.
3. Students will have greater exposure to biological theory and will be expected to learn and use more technical vocabulary.
4. There will be an increased use of charts, graphs and data tables.

306	Environmental Science	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Biology or Honors Biology

Environmental Science will provide the student with the most basic ecological concepts which will be supported by laboratory and field work. The goals of this course are to provide the student with:

1. An awareness of economic, social, political, and ecological interdependence.
2. Opportunities to acquire the knowledge, values, attitudes, and commitment and skills needed to protect and improve the environment. The units of study include: Social and Biological Background, Populations, Resource and Energy, Land and Water Use, and Pollution. This course will prepare the student for continued advanced study.

307	Biotechnology	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Biology or Honors Biology

Biotechnology is a technology based biology course with support of new and exciting laboratory materials to solve problems in criminal science, manage microorganisms, understand ethical issues, and benefit society. This hands-on class combines disciplines like genetics, biochemistry, and cell biology, which are in turn linked to practical applications. The course explores an ever changing, evolving science that leads to career choices in forensics, food science, genetic engineering, agriculture, chemical engineering, environmental science, etc.

308	Chemistry	1.0 Credit	Year	10, 11, 12
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Recommendation: 1 credit of Science Matters, Algebra II or Honors Biology

This course is designed to help the student gain an understanding of the basic concepts of chemistry. The student will have equal exposure to theoretical concepts and laboratory work. Mathematical models and societal implications of chemistry will be integrated throughout the course. The major units of study are: Matter, Atomic Structure, Bonding, Periodic Properties, Chemical Reactions, Solutions, Acids and Bases, Oxidation and Reduction, and Organic Chemistry. The course will serve as a basis for those students planning to take physics or advanced biology courses. This course will provide an awareness of chemistry-related careers and will prepare students for career and college readiness.

309	AP Biology	1.0 Credit	Year	11, 12
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Recommendation: 1 credit of Honors Biology or Biology and of Chemistry or concurrent enrollment in Chemistry and consent of the instructor

This course is rigorous and challenging as a variety of topics are studied in detail. A unit of basic biochemistry lays the groundwork for greater understanding of what happens at the cellular level. Then, an in-depth study of cell structure & function, cellular energetics, cell communication & cell cycle is related to the function of the whole organism. A study of heredity and gene expression & regulation enables the student to further investigate implications in genetic engineering and recombinant DNA. Finally, a study of natural selection and ecology is pursued.

310	Honors Chemistry	1.0 Credit	Year	10, 11, 12
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Recommendation: 1 credit of Honors Biology or Biology, suggest Algebra II or concurrent enrollment in Algebra II and consent of the instructor

Students enrolling in this course should have above average algebra skills. The same basic topics as chemistry are covered as well as thermochemistry and thermodynamics, but some concepts are developed in greater depth. Laboratory work is emphasized to develop theoretical concepts and to improve problem-solving skills. Upon successful completion of this course students will meet the chemistry requirement for admission to college but will be expected to take physics in order to be adequately prepared for college.

311	AP Chemistry	1.0 Credit	Year	11, 12
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Recommendation: 1 year of a Life Science (Biology), 1 Year of Chemistry, Algebra II, concurrent enrollment or completion of Physics and a 4th year math class

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students should attain a greater depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of the principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory.

312	Biology 105 (Central)	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Honors Biology or Biology, and of Chemistry or concurrent enrollment in Chemistry and consent of the instructor. Must meet admission to UW-La Crosse requirements and attend a two-hour weekly lab at UW-La Crosse. ****This course is only offered in Semester 2.***

Biology 105 is an introduction to modern biology. Four major sections are covered: The Nature of Science & Biodiversity, Cells & Metabolism, Reproduction & Genetics, and Biotechnology & Evolution. Themes developed throughout the course are processes used in the scientific investigations, the history and dynamic nature of biology, and the relationships between science, technology, and society. Must receive a grade of "C" or better to earn 4 university credits.

314	Physics	1.0 Credit	Year	11, 12
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Recommendation: 1 credit of Algebra and Geometry, and if possible Algebra II

General Physics is the science of TOYS and designed to give students a better understanding of a variety of scientific concepts that affect our lives every day. We begin by looking at objects in motion & studying things like velocity, acceleration, momentum, and circular motion. Then we launch projectiles, and crash carts to investigate the forces and energy involved in these systems. Second semester we investigate concepts of electricity, thermodynamics, and waves sound & optics. This course will integrate some awesome technology, while investigating scientific concepts, and explore possible future careers related to Physics. Being an elective course for juniors and seniors, we have designed this course to help students succeed at the 100 level Physics course in college or at a technical college.

316	AP Environmental Science	1.0 Credit	Year	11, 12
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Recommendation: 2 years of Science Courses - Biology, Chemistry, 1 year of Algebra

The goal of the AP Environmental Science course is to provide students with the scientific principles, concept, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course will cover the concepts and skills students will need to demonstrate to earn college credits on the Advanced Placement exam.

317	AP Physics	1.0 Credit	Year	11, 12
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Recommendation: 1 credit of Algebra, Geometry, and if possible Algebra II

AP Physics-1 is an Algebra-Based study of physics that is equivalent to the first semester of a college algebra-based physics course. The units covered on the current AP Physics-1 Exam are: Kinematics, Dynamics, Circular Motion & Gravitation, Energy, Momentum, Simple Harmonic Motion, and Torque & Rotational Motion. The design of the AP Physics curriculum is to MODEL the scientific concepts, to conduct classic physics experiments, to integrate mathematics with scientific laws, so students can develop a better understanding of our world and universe. At the end of the course, students will have the option to take the AP Physics-1 Exam to possibly earn college credits at most universities.

318	Anatomy / Physiology I	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Biology or Honors Biology ****This course is only offered in Semester 1.***
 This course is designed to extensively survey the anatomy and physiology of the human body. Body systems covered in Semester 1 include: Integumentary, Skeletal, Muscular, and Nervous. Students should also sign up for Anatomy / Physiology II in the spring semester in order to cover all of the body systems.

319	Anatomy / Physiology II	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Biology or Honors Biology ****This course is only offered in Semester 2.***
 This course is designed to extensively survey the anatomy and physiology of the human body. Body systems covered in Semester 2 systems include; Endocrine, Cardiovascular, Lymphatic, Respiratory, Digestive, Urinary, and Reproductive.

322	Astronomy	.5 Credit	Semester	11, 12
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Recommendation: Algebra I, Geometry
 Astronomy is an introductory look at the universe. Topics covered include: Our location in the universe, the night sky, identification of different nebula and star clusters, and spectroscopy which is used to find the composition of stars and galaxies. The mathematical component of the course includes calculating distances, speeds, orbits, temperatures, and gravitational pull of celestial objects. We will move beyond our solar system to the other systems and their exoplanets. We will study the life cycle of stars, galaxies, and the overall structure of the universe.

616	Principles of Engineering (Project Lead The Way)	1.0 Credit	Year	10, 11, 12
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Recommendation: Algebra and the instructor's approval
 The intent of this course is to provide orientation to the careers and challenges of engineering and to introduce students to the core abilities that all workers must possess whether they are entering the field as an engineer or as an engineering technician. Students will be exposed to those attributes which are common to all engineering endeavors. They will become aware that all members of the engineering team solve problems using math and science principles. Students will use the concepts of problem solving, concurrent engineering modeling, ethics, optimization, systems design, and technology/society interactions. The course is an integrative hands-on laboratory-based course that shows students the important concepts involved with engineering while having them work on real-life case studies that are examples of the type of problems they would be solving in this exciting career.

324	Forensic Science	.5 Credit	Semester	11, 12
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Recommendation: 1 credit of Biology and Science Matters or Chemistry
 Forensic Science studies the application of science to the criminal and civil laws that are enforced by the criminal justice system. The course will apply the concepts of biology, chemistry and physical science to crime scenes. Topics include: what is forensic science, what is a crime scene, properties of matter and the analysis of glass, microscope use, forensic serology and toxicology, DNA, metals, fibers, hairs, and fingerprints.

Social Studies

The purpose of social studies in the School District of La Crosse is to promote within our students a sense of individual worth and civic responsibility, a respect for the opinions and viewpoints of others, a knowledge of the past, an awareness of the present, and a concern for the future.

Social Studies Course Offering

9th Grade	10th Grade	11th Grade	12th Grade
Core Social Studies:	Core Social Studies:	Core Social Studies:	Core Social Studies:
Skill Building World History/Geography (Logan)	Skill Building World History/Geography (Logan)	Skill Building Civics (Logan)	Skill Building Civics (Logan)
World History	World History	World History	World History
Honors World Humanities (Logan)	AP World History (Central)	AP World History (Central)	AP World History (Central)
AP World History (Central)	U.S. History	U.S. History	U.S. History
	AP U.S. History	AP U.S. History	AP U.S. History
	Elective Social Studies:	U.S. Government	U.S. Government
	Psychology	AP U.S. Government and Politics	AP U.S. Government and Politics
	Sociology	Elective Social Studies:	Economics
	Lands and Cultures of the World	Psychology	Workplace Economics (Logan)
	AP Psychology	Sociology	AP Economics
	Global Issues	Lands and Cultures of the World	Elective Social Studies:
		Intro to Global Health	Psychology
		AP Psychology	Sociology
		Global Issues	Lands and Cultures of the World
		AP European History	Intro to Global Health
			AP Psychology
			Global Issues
			AP European History

346	Skill Building World History / Geography (Logan)	1 Credit	Year	9, 10
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Recommendation: Recommendation of Social Studies teacher and School Counselor.

This course is designed to build the study and learning skills students need to be successful in social studies classes. This class is for students who find social studies very difficult. The emphasis is on learning and study skills with students returning to the traditional pathway as soon as possible. This class may not be accepted by some colleges and universities as social studies credit for entering college.

351	Skill Building Civics (Logan)	.5 Credit	Semester	11, 12
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Recommendation: Recommendation of Social Studies teacher and School Counselor.

This course is designed to build the study and learning skills students need to be successful in social studies classes. This class is for students who find social studies very difficult. The emphasis is on learning and study skills with students returning to the traditional pathway as soon as possible. This class may not be accepted by some colleges and universities as social studies credit for entering college.

352	World History	1.0 Credit	Year	9, 10, 11, 12
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World History is a survey of human progress from ancient times to the present. Included in this study of forces and events are different cultures, religions, political and economic systems as well as geography and current issues which have influenced people(s) and nations through the centuries.

353	U.S. History	1.0 Credit	Year	10, 11, 12
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U.S. History includes a review of history from colonial times through the nineteenth century with an emphasis on twentieth century America. Important economic, political, social and geographic influences are studied as they relate to the development of the United States.

354	U.S. Government	.5 Credit	Semester	11, 12
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This class deals primarily with the structure and functions of the national and state governments of the United States. Included is a study of the development of our political system, elections, Congress, the Presidency, and the Federal Court system. The structure and function of Wisconsin state and local government is also studied. Emphasis will be placed on government processes as they relate to society today.

355	Economics	.5 Credit	Semester	12
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This course is a study of the American economics system emphasizing a reasoned approach to economic decision making and developing an understanding of the basic principles and laws of our economy and how we, as individuals, relate to them in everyday life through our jobs, in our government and in our society. In addition, this course will enable students to recognize the economic similarities, differences, and interdependence of the world community.

356	Workplace Economics (Logan)	.5 Credit	Semester	12
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This course is a study of the American economic system that emphasizes economic principles as they relate to consumer economics. The course will examine the nature of economics, the production of goods and services, supply and demand theory, money and banking, the national economy and the role of government, personal finance, and personal investing. Students will learn how to interpret commonplace economic events and apply critical thinking and decision making skills and producers.

357	Psychology	.5 Credit	Semester	10, 11, 12
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Psychology is the study of human behavior and the influences of the conscious and unconscious process on the shaping of personality, thought, learning, and behavior. Emphasis will be placed on developing an understanding of the basic principles of personality development, personality theories, and various measurement techniques. The course will also focus on the assessment of psychological disorders, learning, memory, intelligence, sensation and perception, and social psychology.

358	Sociology	.5 Credit	Semester	10, 11, 12
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Sociology is the study of human interaction and development with special emphasis placed on culture, ethnic, racial, and minority groups. Other units studied will include the institutions of marriage and families, gender-roles, and criminal behavior. Sociology will conclude with a focus on social problems that exist in our society.

359	Global Issues	.5 Credit	Semester	11, 12
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Global Issues is a flexible and topical course focusing on current events including their development and future implications. Possible topics may include nuclear issues, population, terrorism, human rights, the environment, women's issues, and other newsworthy topics.

360	Introduction To Global Health	.5 Credit	Semester	11, 12
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This course introduces participants to global health through its history, definition, determinants, and development as a field of study. Some topics include Environment and health, Ethics and Human Rights, Women and Children's health, Culture and health, UN's Sustainable Development Goals, Healthcare Models, and Communicable and Noncommunicable diseases. The inter-connection between health problems in developed and developing countries and the interdisciplinary approach necessary to understand and address health issues will be emphasized. Students will learn about population health status in regions of the world and will be able to suggest how various health indicators are likely to change over time and explain why. They will also develop a basic understanding of the methods used to assess population health, and be able to discuss why some groups are healthier than others and what can be done to reduce health disparities.

363	Lands and Cultures of the World	.5 Credit	Semester	10, 11, 12
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Lands and Cultures of the World is the study of the many cultures found throughout the world and how they relate to the spaces and places where they originate and the spaces and places they then travel to, as people continually move across various areas. Lands and Cultures of the World will include the study of how humans impact the Earth as they move across various areas. It also includes the cultural practices around the world that are caused by the places people live as well as how people change the places that they live.

364	Honors World Humanities (Logan)	1 Credit	Year	9
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Recommendation: Writing sample and teacher recommendation
 Honors World Humanities provides students with the opportunity to integrate studies in World History and English in a chronological approach to major themes from early cultures through modern times.

366	AP U.S. History	1 Credit	Year	10, 11, 12
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Advanced Placement U.S. History is a year-long course that provides a basic exposure to the factual narrative of United States History from the period of colonization to the recent past. The goals of the course are to develop an understanding of some of the principle themes in United States History, an ability to analyze historical evidence, and an ability to express that understanding and analysis in writing. This course will prepare the student to take the AP exam.

367	AP European History	1 Credit	Year	11, 12
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Advanced Placement European History provides a basic exposure to the factual narrative of European history from the period of the High Renaissance to the recent past. The goals of the course are to develop an understanding of some of the principal themes in modern European history and to develop an ability to analyze historical evidence and an ability to express that understanding and analysis in writing. This course may be taken to fulfill the requirement for World History or as an elective. The course is designed to prepare students to take the Advanced Placement test.

368	AP U.S. Government and Politics	.5 Credit	Semester	11, 12
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This course is designed to provide an in-depth study of the American political system and American government. The course will examine in detail the principal processes and institutions through which the political system functions. Course work will be at a level that would equal an advanced political science class. This course may be taken to fulfill the requirement for Government or as an elective. This course is designed to prepare the student for the Advanced Placement Test.

373	AP World History (Central)	1.0 Credit	Year	9, 10, 11, 12
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The AP World History course is structured around themes and concepts in six different chronological periods from approximately 8000 BCE to the present: Technological and Environmental Transformations (to c. 600 BCE); Organization and Reorganization of Human Societies (c. 600 BCE to c. 600 CE); Regional and Trans-regional Interactions (c. 600 CE to c. 1450); Global Interactions (c. 1450 to c. 1750); Industrialization and Global Integration (c. 1750 to c. 1900); Accelerating Global Change and Realignment (c. 1900 to the Present). Themes allow students to make connections and identify patterns and trends over time.

374	AP Psychology	1.0 Credit	Year	10, 11, 12
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The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. 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.

371	AP Economics	1.0 Credit	Year	12
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AP Economics is a year course that prepares students to take the AP Microeconomics and AP Macroeconomics exams. A strong background in math is recommended. Students will develop a thorough understanding of the principles of economics that apply to the economic system as a whole. It places primary emphasis on principles relating to the functioning of the aggregate economy, including the fundamentals of national income measurement and determination, money and banking, fiscal and monetary policies and economic growth. In addition to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the determination of prices and output under competition, monopoly, and other market structures. The theory of consumer demand, analysis of cost structure of the firm, pricing and employment of resources, and distribution of income are other concepts covered.

Technology and Engineering

The mission of Technology & Engineering in the School District of La Crosse is to provide students with an opportunity to explore a wide variety of technological experiences, thereby allowing each student to select an area that is suited to their interests and abilities. Each area should develop from the exploratory stage systematically up to a technological skill. The students have the opportunity to choose whether they desire to use their technology and engineering experience to enter into the workforce, a technical college, or a university.

Technology and Engineering Course Offerings

9th Grade	10th Grade	11th and 12th Grade
Computer Construction and Maintenance	Computer Construction and Maintenance	Computer Construction and Maintenance
Introduction to CAD and Architecture*	Introduction to CAD and Architecture*	Introduction to CAD and Architecture*
Introduction to Engineering Design* (PLTW)	Architectural CAD Design	Architectural CAD Design
Woods I	Introduction to Engineering Design* (PLTW)	Introduction to Engineering Design* (PLTW)
Photography / Video Production* (Central)++	Woods I, II	Woods I, II, III*
Launching into Aviation	CISCO Networking Certification I*, II (Logan)+ Photography (Logan)+ Video Production and Movie Making (Logan)+ Creative Metals & Woods Photography / Video Production* (Central)++ Manufacturing Systems Principles of Engineering* (PLTW) Robotics Small Engines, Welding & Fabrication I* Graphic Arts and Design Launching into Aviation Digital Electronics* (PLTW)	CISCO Networking Certification I*, II, III, IV (Logan)+ Photography (Logan)+ Video Production and Movie Making (Logan)+ Creative Metals & Woods Photography / Video Production* (Central)++ Manufacturing Systems Small Engines, Welding & Fabrication I*, II Principles of Engineering* (PLTW) Graphics Arts and Design Graphic Arts II Graphics Arts III (Logan) Computer Integrated Manufacturing (PLTW) (Central)++ Building Construction*^ (Logan)+ Automotive Technology* Tech Ed - Classroom Digital Electronics* (PLTW) Launching into Aviation ACE Academy Engineering Academy

*Dual Credit, see Appendix page (73) for explanation.

^Instructor's approval required

+ Taught at Logan High only - Central High students are responsible for transportation to Logan High School.

++ Taught at Central High only - Logan High students are responsible for transportation to Central High School.

CISCO Networking Certification Pathway

This two-year course is designed to teach students the skills needed to design, build and maintain small to medium size networks. The entire course is a four-semester program that will provide students with the opportunity to enter the workforce and/or further their education and training in the computer networking field. Central students are responsible for transportation to Logan. CISCO is taught at Logan only.
Articulated credit with WTC.

545	CISCO Networking Certification Pathway I (Logan)	.5 Credit	Semester	10, 11, 12
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This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools including PC installation, Internet connectivity, wireless connectivity, file and print sharing, and the installation of game consoles, scanners, and cameras. CISCO 1 is part of the eScholars Network and can be taken online.

546	CISCO Networking Certification Pathway II (Logan)	.5 Credit	Semester	10, 11, 12
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This course prepares students for jobs as network technicians and helps them develop additional skills required For computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide email services, web space, network monitoring and authenticated access. Students also learn the soft skills required for help desk and customer service positions, and the final chapter helps them prepare for the CCENT certification exam. CISCO Networking 2 is part of the eScholars program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I

547	CISCO Networking Certification Pathway III (Logan)	.5 Credit	Semester	11, 12
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Recommendation: Successful completion of CISCO Networking Academy I & II
This course familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises, including configuration, installation, and troubleshooting, reinforce student learning by using CISCO routers and switches. CISCO Networking 3 is part of the eScholars program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I & II

548	CISCO Networking Certification Pathway IV (Logan)	.5 Credit	Semester	11, 12
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Recommendation: Successful completion of CISCO Networking Academy I, II & III
This course is the final course in the CISCO Networking Academy and introduces students to network design processes using two examples; a large stadium enterprise network and a medium sized film company network; students follow a standard design process to expand and upgrade each network, which includes requirements gathering, proof-of-concept, and project management life cycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support. A hands-on review will take place toward the end of class to help prepare students for the CCNA. CISCO Networking 4 is part of the e-Scholars Program and can be taken as an online option. Prerequisites: CISCO Networking Certification Pathway I, II, & III

Project Lead The Way

The School District of La Crosse is a Certified Project Lead the Way (PLTW) school district. This certification distinction provides college credits to students who participate in the PLTW classes including:

- Introduction to Engineering Design (IED)
- Principles of Engineering (POE)
- Computer Integrated Manufacturing (CIM)

Students who have successfully completed any of these PLTW courses may be eligible for transcribed credit and/or advanced standing at the Milwaukee School of Engineering as well as Western Technical College. See your school counselor or PLTW instructor for more information.

609	Introduction to Engineering Design (PLTW)	1.0 Credit	Year	9, 10, 11, 12
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A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

616	Principles of Engineering (PLTW)	1.0 Credit	Year	10, 11, 12
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Recommendation: Algebra

The intent of this course is to provide an orientation to the careers and challenges of engineering and to introduce students to the core abilities that all workers must possess, whether they are entering the field as an engineer or as an engineering technician. Students will be exposed to those attributes that are common to all engineering endeavors. They will become aware that all members of the engineering team solve problems using math and science principles. Students will use the concepts of problem solving, concurrent engineering modeling, ethics, optimization, systems, design and technology/society interactions. The course is an integrative, hands-on, laboratory-based course that shows students the important concepts involved with engineering while having them work on real-life case studies that are examples of the types of problems they would be solving in this exciting career.

617	Digital Electronics (PLTW)	1.0 Credit	Year	10, 11, 12
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Digital Electronics is a one-year course exploring the principles and concepts of digital electronics and the study of basic building blocks of digital systems. The course introduces the student to the applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will learn to build and program robots and use advanced micro controllers

618	Computer Integrated Manufacturing (PLTW)	1.0 Credit	Year	11, 12
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Recommendation: IED and/or POE

Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs with modeling software and producing models of their designs. The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics, and automation. This course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems. This course is designed for 11th or 12th grade students.

551	Computer Construction and Maintenance	.5 Credit	Semester	9, 10, 11, 12
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Computer Construction & Maintenance is a course designed to give the learner knowledge on how a computer and the operating system function. Students will work in teams to build a computer from the ground up. The student will gain knowledge on how to properly install, configure, upgrade, troubleshoot and repair microcomputer hardware. This includes basic knowledge of desktop and portable systems, basic networking concepts, and printers. The student will also gain knowledge of safety and common preventive maintenance procedures. This class will introduce the student to A+ Certification-an entry level certification exam recognized in the IT industry.

600	Photography (Logan)	.5 Credit	Semester	10, 11, 12
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Photography introduces the skills to use cameras, lenses, and light meters. Film developing, printmaking, design, composition, PhotoShop, and digital photography will be emphasized.

602	Video Production and Movie Making (Logan)	.5 Credit	Semester	10, 11, 12
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Video Production is a one-semester course that allows the student to create his or her own full length digital movies. Students will be introduced to creating visual effects, inserting audio clips, and other technical aspects of movie making. This course meets the computer requirement for graduation.

603	Creative Metals & Woods	.5 Credit	Semester	10, 11, 12
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This semester class is designed to welcome any student into the world of manufacturing. Many students may not feel comfortable taking the standard small engine and fabrications classes because of a lack of experience and knowledge in the area. Techniques such as flame cutting, soldering, shielded metal arc welding, gas metal arc welding, flux core welding, gas tungsten arc welding, CNC mill and standard mill and lathe operations, CNC router operations, CNC laser engraver operation will be covered. Students will have an opportunity to utilize the skills they learn to create individual projects.

604	Introduction to CAD and Architecture	.5 Credit	Semester	9, 10, 11, 12
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This is a course for those students who want to develop basic technical skills in drafting. The course enhances and further develops skills such as designing, drawing, planning, and problem solving. Students learn how to design, plan, prepare, interpret, and use drawings in today's society. The course focuses on mechanical and architectural drawing.

605	Architectural CAD Design	1.0 Credit	Year	10, 11, 12
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Industry standard Auto Cad software will be used to teach students to design their dream house. Engineering concepts, such as material science/strength, will be explored to enhance student understanding. Students will produce a complete set of working drawings (floor plan, plot plan, sections, elevations, foundation plan and perspectives) for a residential structure. Students that are successful in this class have an interest in art and engineering.

606	Photography / Video Production (Central)	.5 Credit	Semester	9, 10, 11, 12
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Combined Description from the current course offering book- for Central only
Photography and Video production introduces the skills needed to use cameras, lenses and light meters. Students will use photoshop, and digital photography. Video production will allow students to create full length digital movies and be introduced to visual effects, inserting audio clips and technical aspects of movie making.

611	Manufacturing Systems	1.0 Credit	Year	10, 11, 12
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This course is also available for .5 credit for one semester. In this course students will learn to use tools and machines safely and to market their products. Manufacturing takes a hands-on approach in understanding manufacturing technology.

612	Small Engines, Welding & Fabrication I	1.0 Credit	Year	10, 11, 12
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This course is a study of transportation systems dealing generally with the methods by which people and goods move through various environments. This course covers the basics of small engines, metal fabrication, welding and machining used in transportation systems.

614	Graphics Arts and Design (Logan)	1.0 Credit	Year	10, 11, 12
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614	Graphics Arts and Design (Central)	.5 Credit	Semester	10, 11, 12
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This course provides students with a basic understanding of graphic arts. Emphasis will be on both theory and hands-on activities. Layout, design, computerized typesetting, silk screening, and photography will be covered in this course. Multicolor will be stressed in the second semester.

624	Small Engines, Welding & Fabrication II	1.0 Credit	Year	11, 12
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Recommendation: Small Engine, Welding, and Fabrication I

This is a transportation course that covers advanced systems of transportation. The course will take students to the next level as far as functions, processes, and procedures of the transportation industry.

626	Graphics Arts II	.5 Credit	Semester	11, 12
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Recommendation: Technology Systems or instructor's approval

Following a review of basic processes, students are introduced to advanced techniques with hands-on experiences in the area of their interest in the fields of photography, and screen-printing.

628	Graphics Arts III (Logan)	1.0 Credit	Year	11, 12
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Recommendation: Technology Systems or instructor approval

This course is also available for .5 credit for one semester. Graphic Arts Seminar is a logical conclusion to the graphic arts sequence by providing students with the opportunity to gain experiences that are current to the graphic arts industry. Students in this course should be considering graphic arts as a career objective.

633	Building Construction (Logan)	2.0 Credits	Year	11, 12
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Course content includes site clearing, site layout, foundations, framing, roofing, windows and doors, exterior finish and interior finish. Off-site hands-on projects will be a major component of this course to apply to construction foundations to real examples.

638	Woods I	.5 Credit	Semester	9, 10, 11, 12
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Woods I is a course for students interested in constructing a project that is used in a recreational or hobby area.

The course teaches students about basic woodworking. Students learn to work safely with woodworking tools and machines.

634	Woods II	1.0 Credit	Year	10, 11, 12
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Recommendation: Instructor approval

This course is also available for .5 credit for one semester. Woods II students will study the elements of design and style found in woodworking projects. Students will concentrate on craftsmanship and quality workmanship in building a project.

639	Woods III	1.0 Credit	Year	11, 12
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Recommendation: Instructor approval

This course is also available for .5 credit for one semester. This is a logical conclusion to the woods course sequence as an opportunity to gain experience that is current to the woodworking/cabinetry industry.

640	Automotive Technology	1.0 Credit	Year	11, 12
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Recommendation: Small Engines, Welding, and Fabrication I. This course is also available for .5 credit for one semester.

If you depend on your car and want to understand how it works and how you can make it safer and more reliable, you will benefit from this class. You will learn how a car works, what the parts are, and what they do. In knowing this you will be able to perform some of the repairs yourself or just know what is going on when someone else is making the repairs. Either way you will be saving money.

647	Tech Ed Classroom Assistant	1.0 Credit	Year	11, 12
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Recommendation: Instructor approval

The in-school phase of Technology Education Co-op is a job related class to acquaint students with general topics considered to be important to workers in industrial occupations. In addition to this course, students are required to be enrolled in a technical course closely related to their career training. The course includes the student's progress on the job, collective bargaining, managing money, consumer responsibilities, and researching careers. In this program students will explore their own career training and other industrial occupations through field trips, employer luncheons, and school and community projects. Additional activities will include the Skills USA club through projects, leadership, and competition.

650	Robotics	.5 Credit	Semester	10, 11, 12
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This class will use a hands-on approach to introduce the basic concepts in robotics, focusing on mobile robots, programming, electronic components and prototype design. Students will work in teams to build and test increasingly more complex robots in an end-of-semester robot contest. Students will receive a comprehensive overview of robotic systems and the subsystems that comprise them.

641	Launching into Aviation	.5 Credit	Semester	9, 10, 11, 12
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An introductory course into the world of aviation. In this one semester class, students will gain a foundational understanding of all aspects of flight. Through a partnership with the Driftless Region Youth Flight, students will explore career paths and opportunities in aviation, history of aviation, basic aerodynamics, meteorology, physics, airplane instruments, aviation charts, navigation, weight and balance, and the prediction of airplane performance.

World Language

The purpose of the World Language Program in the School District of La Crosse is to enhance the existing curriculum in all subject areas by emphasizing a global perspective. The study of another language expands student understanding in the areas of oral and written communication skills. World language study is a core discipline in a globalized society.

Students are strongly encouraged to follow a 4-year language sequence through high school. Many students even add a 2nd or 3rd language in their sophomore, junior, or senior year! Additionally, students who have taken and passed German 1 or Spanish 1 in both 7th and 8th grade are eligible to take level 2 of their language as 9th graders. Upon successful completion of level 2, they will receive an additional elective credit on their high school transcript.

Many colleges and universities look favorably on applicants with 4-5 years of language study. This effort shows determination, perseverance, the desire to obtain a higher level of proficiency in the language, and broader cultural understanding. Adding another language is encouraged for students with excellent linguistic abilities.

Students should also be aware of the possibility of earning retroactive credits in the Wisconsin university system and possibly other colleges and universities. Students could earn up to 16 credits after completing one college level language class. Always ask about language retroactive credits and language requirements when visiting a college.

World Language Course Offerings

9th Grade	10th Grade	11th Grade	12th Grade
Chinese I	Chinese I, II	Chinese I, II, III	Chinese I, II, III, IV
German I, II	German I, II, III	German I, II, III, IV	German I, II, III, IV, V
Hmong I	Hmong I, II	Hmong I, II, III	Hmong I, II, III
Spanish I, II	Spanish I, II, III, IV,* V*	Spanish I, II, III, IV, V, VI*	Spanish I, II, III, IV, V, VI*
Spanish Literature*			

*= Logan High

130	Spanish VI (Logan)	1.0 Credit	Year	11, 12
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This is a course designed for the student who has taken Spanish V. Students entering this course should be at an Intermediate language level. This course is designed for students seeking to expand skills through literature and film and seeking to apply their skills in practical ways. This course will utilize resources to enable students to earn a Bi-literacy Seal and/or a Global Certificate from the State of Wisconsin. The AAPPL exam will be taken at the end of this course to determine eligibility for the Seal, which requires that students test at an Intermediate- High Level in the Interpretive, Intrapersonal, and Presentational modes of communication. There is also an opportunity to take courses at UW-La Crosse or Viterbo in Grade 12, through ECCP.

131	Spanish Literature (Logan)	1.0 Credit	Year	9
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This course is designed for Spanish Immersion students and or Heritage and native speakers entering High School. The year-long course combines Spanish grammar concepts currently in Spanish levels two and three. These grammar concepts will be explored through literature with extensive vocabulary acquisition through Hispanic classic and contemporary literature. This course will be conducted entirely in Spanish. All the modes of communication will be practiced in this course.

140	Hmong I	1.0 Credit	Year	9, 10, 11, 12
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The Hmong I course introduces the student to various aspects of the language and Hmong culture. Emphasis is placed on communication skills of speaking and listening. Students will begin to use the target language immediately and learn vocabulary. An awareness and understanding of cultures will be developed via Hmong history, geography, and as contemporary life is studied.

141	Hmong II	1.0 Credit	Year	10, 11, 12
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Prerequisite: Hmong I

Students continue to study and learn various aspects of the Hmong language and culture. Emphasis is placed on communication skills of speaking and listening where students immediately use the target language, learn vocabulary and foster Hmong literacy in reading and writing Hmong. An awareness and understanding of the culture continues via Hmong history, geography, and as contemporary life is studied.

142	Hmong III	1.0 Credit	Year	11, 12
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Prerequisite: Hmong I, II

Hmong III continues extending the student to various aspects of the language and Hmong culture. Students will continue to use the target language immediately, extending on learning vocabulary in the areas of reading and writing through themes and activities. As with Hmong I and Hmong II, an awareness and understanding of Hmong culture will be developed via Hmong history, geography, and contemporary life.

160	Spanish I	1.0 Credit	Year	9, 10, 11, 12
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Spanish I students will start to use the language to talk about their lives and the world around them and will learn basic vocabulary and grammar skills. The students will be introduced to the richness and diversity of Hispanic cultures.

162	Spanish II	1.0 Credit	Year	9, 10, 11, 12
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Spanish II provides the student with continuing opportunities to gain communicative skills by acquiring more vocabulary and grammar concepts. Emphasis is placed on three modes of communication: interpersonal, interpretive and presentational. Students continue to study the cultures of Spanish speaking countries.

164	Spanish III	1.0 Credit	Year	10, 11, 12
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Recommendation: Spanish II

Spanish III develops more creative communication ability as students strengthen grammar and vocabulary skills. At this intermediate level, students seek to function in a wider range of everyday situations and social settings. There is a continued emphasis on the culture of Spanish speaking countries.

166	Spanish IV (Logan)	1.0 Credit	Year	10, 11, 12
166	Spanish IV (Central)	1.0 Credit	Year	11, 12

Recommendation: Spanish III

In Spanish IV, communicative skills are strengthened toward the goal of more natural overall proficiency. Students review previously learned grammar and learn more advanced grammar concepts. Students will read a variety of literature and more emphasis is placed on culture, geography, and history.

168	Spanish V (Logan)	1.0 Credit	Year	10, 11, 12
168	Spanish V (Central)	1.0 Credit	Year	12

Recommendation: Spanish IV

In Spanish V, students should expect to become more orally proficient. Advanced grammar skills are reviewed and refined. Emphasis is placed on Hispanic literature and on written composition in Spanish. Generally, those who finish Spanish V are able to earn retroactive credits by taking a college level placement exam. Others may wish to take an Advanced Placement Spanish test for college credits.

176	German I	1.0 Credit	Year	9, 10, 11, 12
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German I students begin to develop listening, speaking, reading, and writing skills. The main emphasis is on oral communication. Students will learn about America's German heritage, the geography of German-speaking countries, and about the cultural differences and similarities between German and American young people.

178	German II	1.0 Credit	Year	9, 10, 11, 12
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Recommendation: German I

German II students will be able to handle typical social situations in an appropriate manner and to tend to their welfare in a limited manner in the target culture. Students will be able to converse, read, and write about events in the present, past, and future. German fairy tales will be read.

180	German III	1.0 Credit	Year	10, 11, 12
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Recommendation: German II

This course will continue to improve the four basic communicative skills of listening, speaking, reading, and writing. Students will be able to interact socially in an appropriate manner and be able to tend to their own welfare in the target culture. The study of literature will continue with fables, short stories, fairy tales, and other literary texts suitable to this skill level.

182	German IV	1.0 Credit	Year	11, 12
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Recommendation: German III

German IV students will attain the level of mastery needed to travel in a German speaking country. Students will know what to expect and how to behave in different social contexts and situations. They will comprehend more difficult conversations, television programs, movies, and study an extended radio drama. They will read, discuss, and write about articles and books of ever increasing difficulty. Students will be able to describe, discuss related events, and give opinions on an ever increasing variety of topics. The cultural emphasis is on travel and daily life in German speaking countries.

184	German V	1.0 Credit	Year	12
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Recommendation: German IV

German V students continue developing their ability to understand, speak, read, and write German. German literature (poetry), short stories, and a two-act play are studied. Students research and make presentations on various aspects of German culture and history.

190	Chinese I	1.0 Credit	Year	9, 10, 11, 12
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Chinese I will introduce the main features of Mandarin, China's official dialect. Using a phonetic link to English, students will develop listening, speaking, and writing skills which will enable them to communicate in very simple, but correct Chinese in ordinary daily life. Students can expect to read approximately 150 characters as a means to understand an elementary text of Chinese reflecting social activity. Topics include geography, Chinese society, and cross-cultural issues.

191	Chinese II	1.0 Credit	Year	10, 11, 12
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Recommendation: Chinese I

Chinese II will introduce more detailed sentence structure and vocabulary expansion through listening, speaking, reading, and writing activities. Students will increase their reading vocabulary to 300-320 characters. Using the system of radical identification and character stroke order, students will acquire dictionary skills and other interpretation skills. Additional cultural topics will include the different cities of China and an overview of China vs. 21st century China.

192	Chinese III	1.0 Credit	Year	11, 12
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Recommendation: Chinese II

Students in Chinese III will continue to expand character vocabulary for reading comprehension and for extended conversation. At this level, students will begin to examine authentic documents reflecting social activity. Students will increase their capacity to analyze phonetic components of characters and will demonstrate greater ease and proficiency in using a Chinese dictionary and other e-translation tools. Students will be introduced to Chinese literature (either in original language or in translation) which reflects contemporary Chinese cultural values.

193	Chinese IV	1.0 Credit	Year	12
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Recommendation: Chinese III

Students in Chinese IV will continue to expand character vocabulary for reading comprehension and for extended conversation. At this level, students will continue to examine authentic documents reflecting social activity. Students will increase their capacity to analyze phonetic components of characters. Students will read short expository texts besides regular narrative passages. Students' writing skills will be further refined.

World Languages Additional Opportunities

German Exchange

Under the auspices of G.A.P.P (German American Partnership Program), German students in good standing may participate in an exchange with a high school in Friedberg in German. Every other year we host German students in September, then are hosted by them the following July. Students will stay with families for 2-3 weeks, attending school and enjoying a full program of activities and short trips.

Spanish Trip/Exchange

Trips and/or exchanges to a Spanish speaking country may be offered for certain years to sophomore, junior, and senior students in Spanish classes who are in good academic and behavior standing. These trips are based on student interest and faculty availability.

Additional Electives

9th Grade	10th Grade	11th and 12th Grade
Yearbook Production	Yearbook Production Servant Leadership	Yearbook Production Servant Leadership

235	Yearbook Production	1 Credit	Year	9, 10, 11, 12
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Recommendation: Application process and consent of instructor

Yearbook Production is a course designed to teach students layout, design, copy editing, photography, graphics, and advertising/finance, with the final product of the year-long course being the actual production of the school yearbook. This course earns elective, not English, credit.

576	Servant Leadership	.5 Credit	Semester	10, 11, 12
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Servant Leadership focuses on leadership attributes that can be identified, modeled, and taught. The class is primarily experientially based and emphasizes the importance of communication, character, personal growth, and building strong relationships and teams. A variety of initiatives will be used to facilitate the learning of skills and, along with various media, reinforce those skills throughout the semester.

Early College Credit Program (ECCP)

A student in grades 9 through 12 attending a public school or a private school in the state will be permitted to enroll in a UW System institution, or a private, non-profit institution of higher education, to take one or more nonsectarian courses, for which the student may earn high school credit, post-secondary credit, or both. Students taking courses through ECC must have their course requests pre-approved by their school counselor and must submit their request (application) to the office of Academic Programs and Staff Development for final review. Students must also apply for and be accepted by the university where they wish to complete their coursework prior to registration. Key considerations are identified below:

- Open to grade 9-12 students.
- Courses must be pre-approved by the district.
- Students may acquire a total of 18 university credits through ECCP.

Costs: When taking a course for high school and university credit, or just high school credit, costs will be divided as follows:

- District 75%; State 25%; Student no cost.

When taking a course for postsecondary credit only, costs will be divided as follows:

- District 25%; State 50%; Student 25%, unless the cost creates an undue financial burden on the student's family.

Tuition costs for incomplete or failed courses will be charged back to the student.

Applications for fall courses are due by March 1 of the preceding spring. Applications for spring courses are due by October 1 of the preceding fall. The application deadline for summer courses is still being determined by the state at the time of this printing. Until defined by the state, students may apply for summer courses anytime prior to the start of the desired course.

- Universities will charge reduced tuition for ECC courses.
- Districts may apply to the DPI for partial reimbursement of ECC tuition costs.
- At the time of this publication, application forms for this program remain under development.
- Grades appear on transcripts.
- Credits earned are not included in the student's district G.P.A.

Registration materials are available in Student Services.

Start College Now (SCN)

The Start College Now program is available to students in grades 11 and 12. Meet with your high school guidance counselor to discuss your career plans and connect with the Start College Now program. Students taking courses through Start College Now must have their course requests pre-approved by their school counselor and must submit their request application to the office of Academic Programs and Staff Development for final review. Also talk with your local/connected technical college to discuss appropriate courses and find out if those courses are available. Key considerations are outlined below:

- Complete grade 10 and be in good academic standing.
- Open to students in grades 11-12.
- Courses must be pre-approved by the district.

Costs: Technical Colleges will charge districts full tuition; no state reimbursement is available to districts.

Tuition costs for incomplete or failed courses will be charged back to the student.

Applications for fall courses are due by March 1 of the preceding spring. Applications for spring courses are due by October 1 of the preceding fall. No summer courses are offered through Start College Now.

Advanced Placement Testing Program (AP)

Students can register and pay a fee to take AP exams in a variety of subjects each May at the high school. Scores of 1-5 are awarded. Most colleges and universities will award college credit based on these scores. The credit awarded varies by institution, scores and major. (Note: You do not need to take an AP course to be eligible to take the exam. The AP course, however, is designed to help you prepare to do well on the AP exam while earning high school credit. If you take an AP course, you are not required to take the AP exam.)

School-To-Career

Worked Based Learning

Mission Statement

It is the mission of the School District of La Crosse to develop a School-to-Career Program that will provide a system of opportunities to help all students make the transition from education to employment and/or postsecondary education.

Broad Goals

The School District of La Crosse, in its efforts to help develop the knowledge base, attitudes and skills necessary for a productive, satisfying life, presents and endorses this statement of policy in accordance with the following convictions:

- In a highly technological, rapidly changing society where occupations change and disappear, public education must equip students to deal with the world of work and make informed decisions regarding post-secondary education.
- Students have a variety of learning styles and learn best when they become involved in experiences that are relevant to their lives in today's world.
- It is necessary for communities and educational systems to work together as partners in order for school-to-career programs to achieve optimum effectiveness.

Youth Apprenticeship

This is a one or two year program for juniors and seniors. Students earn and learn in a work-based learning setting. Youth Apprenticeship is built into the school day and combines school based and work based instruction. Students are paid and earn high school credit and potential post secondary/college credit. Paid work experience combined with classroom instruction provides excellent job opportunities. Students must apply for this program and are sponsored by local business and industry. Graduates receive a credential from the state of Wisconsin. Applications are available from student services.

Youth Apprenticeship offers several career programs to explore:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Art, A/V Technology & Communications
- Business Administration
- Education
- Finance
- Health Science
- Hospitality, Lodging & Tourism
- Information Technology
- Marketing
- Manufacturing
- Science, Technology, Engineering & Mathematics (STEM)
- Transportation, Distribution & Logistics

ACE Academy

The School District of La Crosse along with the Association of General Contractors and many local business partners is excited to announce a new opportunity for juniors and seniors interested in pursuing education and careers in the Architectural and Construction industry. The La Crosse ACE Academy is a two-year program that will provide thematic instruction, career exploration, job shadows, field experiences, mentoring by construction professionals and internship opportunities for students. Instruction for the Construction Career Academy is scheduled to take place at each high school with opportunities for off-site construction projects.

Junior Year Courses

Course ID	Course Name	Credits	Description
3637	Construction Systems*	1.0	This course is the foundation of the Construction Career Academy. Topics covered will include site preparation, foundations, framing methods, roofing techniques, exterior and interior finishing, CAD, design methods, blueprint reading and estimation. Hand tool, power tool, and machine safety are also important components of the course.
3651	Construction Careers	1.0	This course is a continuation of careers concentrating on specific careers in the construction industry. Emphasis will also include OSHA 10 training, and field experiences.
5617	Digital Electronics	1.0	Digital Electronics is a one-year course exploring the principles and concepts of digital electronics and the study of basic building blocks of digital systems. The course introduces the student to the applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will learn to build and program robots and use advanced micro controllers.
	Math Selection-select one	1.0	Students select the appropriate level math course. Math will be customized in a thematic approach and facilitated in an online learning environment. Algebra II, Pre-Calculus, Geometry

Senior Year Courses

3633	Off-Site Construction	2.0	Course content includes site clearing, site layout, foundations, framing, roofing, windows and doors, exterior finish and interior finish. Off-site hands-on projects will be a major component of this course to apply construction foundations to real examples.
3634	Building Information Management (BIM)*	.5	BIM (Building Information Management) is a process involving the generation and management of digital representations of physical and functional characteristics of a building. The resulting building information models become shared knowledge resources to support decision-making about a facility from earliest conceptual stages, through design and construction, through its operational life and eventual demolition. This course will include using the software AutoDesk Revit, a 3D modeling software, and studying.
3635	Construction Capstone	.5	This course will assist students in finalizing their construction academy experience and will include job and postsecondary readiness, portfolios, and personal financial management.

***Dual Credit, see Appendix Page (73) for explanation.**

Culinary Arts Academy

The La Crosse Culinary Arts Academy is a year long educational program focused on providing capstone opportunities within the Hospitality & Tourism Pathway - Culinary Arts.

First Semester Courses

Course ID	Course Name	Credits	Description
4000	Professionalism and Success in Culinary Operations*	3	Students will learn a wide-range of strategies to enhance their professional success in careers in customer service and sales within culinary management, including: self -assessment, time management, multi-tasking, professional communication skills, stress management, career development, problem solving and business etiquette. Special attention will be paid to developing skills that will help students navigate the realities of the daily culinary operations within a variety of Hospitality & Tourism settings.
4001	Professional Culinary Food Preparation*	.5	Food science principles applied to professional culinary food preparation. Units include professional kitchen operation, recipe terminology, and cooking techniques for various food categories. Special attention will be paid to developing skills that will help students navigate the realities of the rapidly changing 21st Century workplace.
5228	English 12	1.0	This course focuses on skills that will make the transition from highschool to college smoother. English 12 is a course designed for students who desire to learn how to write the type of papers required in college, and to improve writing techniques. Discussion, listening, and the critical analysis of literature and informational text are major components of this course.

Second Semester Courses

4002	Quality Customer Service in Culinary Management*	.5	This course addresses successful communication in culinary operations to include working with external and internal customers and understanding behavioral styles. Food science principles will be applied to professional culinary food preparation in teamwork settings. Units include professional kitchen operation, recipe terminology, and cooking techniques for various food categories.
4003	Introduction to Baking and Pastry*	.5	Hands-on and lab based, Baking & Pastries prepares you for successful careers as baking and pastry professionals through building a foundation of principles and skills and then using specific applications and recipes. Students will be able to prepare a wide array of baked goods and pastries such as quick breads, yeast breads, enriched yeast breads, pies, cookies, cupcakes and fondant cake decorating, cookies, chocolate and sauce work, plate garnishing and specialty desserts. If you enjoy participating in baking labs, this course is for you.
5228	English 12	1.0	This course focuses on skills that will make the transition from highschool to college smoother. English 12 is a course designed for students who desire to learn how to write the type of papers required in college, and to improve writing techniques. Discussion, listening, and the critical analysis of literature and informational text are major components of this course.

***Dual Credit, see Appendix Page (73) for explanation.**

Component Two: Dual Credit & Industry Recognized Credentials

- ServSafe Certification
- Customer Sales Certificate from WTCS

Optional Component Three:

- Youth Apprenticeship
- DPI Cooperative Food Service

Engineering Academy

The La Crosse Engineering is a two-year academy designed to prepare students entering the 11th and 12th grade for education and careers related to engineering.

Junior Year Courses

Course ID	Course Name	Credits	Description
5317/5314	AP Physics / Physics	1.0	This Algebra-Based course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. This course will provide the time needed to foster greater depth of conceptual understanding through the use of student-centered, inquiry-based instructional practices. This course will also provide the time to cover the concepts and skills students will need to demonstrate in order to earn credit for the introductory algebra-based college physics course.

OR

5228	English 12	1.0	This course focuses on skills that will make the transition from highschool to college smoother. English 12 is a course designed for students who desire to learn how to write the type of papers required in college, and to improve writing techniques. Discussion, listening, and the critical analysis of literature and informational text are major components of this course.
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5617	Digital Electronics*	1.0	Digital Electronics is a one-year course exploring the principles and concepts of digital electronics and the study of basic building blocks of digital systems. The course introduces the student to the applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will learn to build and program robots and use advanced micro controllers.
5620	Engineering Processes*	.5	This course will introduce the student to the fundamental skills needed to design and fabricate various engineering related projects. Students will become familiar with the safe and proper use of hand tools, portable power tools, and stationary power equipment. In addition, students will learn how to use precision measurement instruments and inspect tolerances. Blueprint and schematic reading, instruction in 2D and 3D CAD software, Computer Aided Manufacturing (CAM) software and 3D printing will also be covered.
5619	Industrial Robotics and Programmable Logic Controllers*	.5	This course introduces the concepts of digital logic and PLC Ladder Logic Programming. Digital number systems and basic logic gates are covered. Students will gain an understanding of modern, industry-standard PLC hardware and software to enable them to use PLCs effectively. Laboratory work includes the use of industrial robot arms to perform various independent functions such as assembly and material handling processes. Other equipment studied includes motion control devices, such as motors and sensors, conveyors and parts feeder mechanisms, use of vision systems as well as other automation equipment used in manufacturing.

***Dual Credit, see Appendix page (73) for explanation.**

Senior Year Courses

Course ID	Course Name	Credits	Description
5228	English 12	1.0	This course focuses on skills that will make the transition from highschool to college smoother. English 12 is a course designed for students who desire to learn how to write the type of papers required in college, and to improve writing techniques. Discussion, listening, and the critical analysis of literature and informational text are major components of this course.

OR

5317/5314	AP Physics/ Physics	1.0	This Algebra-Based course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. This course will provide the time needed to foster greater depth of conceptual understanding through the use of student- centered, inquiry-based instructional practices. This course will also provide the time to cover the concepts and skills students will need to demonstrate in order to earn credit for the introductory algebra-based college physics course.
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5221	Engineering Design Capstone	1.0	Students will complete a capstone project in which they will work closely with industry partners to research, design, test and build a solution to a problem. Students will gain industry experience through work-based learning such as job shadows and interviews. This course follows an industry model to prepare students to recognize a need for product or service, create and work in a team; identify competition, patent overlap, and necessary resources, generate a project proposal that accounts for business issues, prepare a design, develop and fabricate the product, develop a test plan to evaluate the product, and prepare and deliver a final report and presentation.
5545	Cisco Computer Networking I*	.5	This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools including PC installation, Internet connectivity, wireless connectivity, file and print sharing, and the installation of game consoles, scanners, and cameras.
5621	Microcontrollers & Programming Applications	.5	This 1 semester course will give the student an introduction to Microcontrollers and Python programming for use in engineering applications. Students will work on programming assignments and the practical skills necessary to write, test and debug programs. They will utilize a microcontroller and to interface and network with real-world devices such as switches, displays, motors and sensors. Students will also troubleshoot for problems caused by microcontrollers and circuits in a hands-on lab environment.

***Dual Credit, see Appendix Page (73) for explanation.**

Health Science Academy

The La Crosse Health Science Academy is a two-year program that will provide thematic instruction, career exploration, job shadows, clinical experience, health science labs, mentoring by health professionals, research, certification, and internship opportunities for students. Instruction takes place at the Health Science Center near the UW-La Crosse campus as well as field experiences in area health care facilities. Students spend 3 class periods in the Academy with remaining credits during the day taken at their home high schools. Health Science Academy applications are due March 1.

Junior Year Courses

Course ID	Course Name	Credits	Description
2000	HSA Anatomy and Physiology	1.0	This course is designed to extensively survey the anatomy/physiology of the human body. All systems of the human body will be studied. Labs are conducted at UWL. Medical terminology will be introduced.
2374	HSA AP Psychology	1.0	The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. 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.
2001	HSA Health Occupations I	.5	Health Occupation students participate in field experiences, tours and individual job shadows. Students explore a variety of careers in healthcare.
2420	HSA Exercise Physiology	.5	Exercise Physiology is designed for the Academy student to coordinate content learned in the classroom to activities at the YMCA. Students will be infusing low impact activities and technology to monitor their health and participation. Students will be introduced to a variety of units that are designed to promote lifetime activities.

Senior Year Courses

Course ID	Course Name	Credits	Description
2003	HSA Medical Terminology*	.5	This course introduces students to the essential medical terminology used for healthcare professionals. The course is transcribed with Western Technical College.
2008S (Summer Elective)	HSA Global Partners Experience	.5	Through this course, students will gain an understanding and appreciation of working with a population from another culture through hands-on activities, Immersion in another culture, mentoring by adults, and leading activities with peers.
2012	HSA Advanced Anatomy and Physiology	.5	This course is designed to continue to survey the anatomy/physiology of the human body. All systems of the human body will be studied. This course will be expanded to include medical terminology and applications for health care professionals as part of the Health Science Academy. Labs are conducted at UWL.
2015	HSA Health Occupations Advanced*	1.0	Health Occupation students participate in field experiences, tours and individual job shadows. Students have the opportunity to select specialized areas of study in Nursing Assistant, Pharmacy Tech, Emergency Medical Response (all of which could include certifications) or in Medical Mentorship. Students will continue their career portfolio.

2359	HSA Global Issues In Healthcare	1.0	Global Issues is a flexible and topical course focusing on current events including their development and future implications. Possible topics may include nuclear issues, population, terrorism, human rights, the environment, women's issues, and other newsworthy topics. <i>*Transcribed Credit Available</i>
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***Dual Credit, see Appendix Page (73) for explanation.**

Optional summer courses are available for students enrolled in HSA including Global Partners and CNA. Please contact the Health Science Academy supervisor for further information.



The La Crosse School District offers students the opportunity to participate in online learning courses to better serve individual needs and to create an avenue for equipping students with the 21st Century Skills they will need throughout their lives.

The district has a menu of its own online courses to offer a wide selection of viable, quality course options that satisfy the Wisconsin academic standards. Students enrolled full-time in the school district through traditional and/or online courses are eligible to participate in all co-curricular and extra curricular activities. These online learning options will provide the following features:

- Relevant, rigorous coursework completed in flexible locations (home, school, library, etc.)
- Satisfaction of district graduation requirements
- High quality, interactive courses aligned to state and national standards
- Specific online courses to provide more flexible scheduling
- Online course registration offered during each school's regular course registration process
- Opportunities for students who may be unable to participate in a traditional educational setting
- Modified rates of learning to accommodate students in traditional, accelerated, credit recovery, or extended environments (e.g., home-based and homebound)
- Preparation for a future in post-secondary educational and work environments

Course Information

Students in the School District of La Crosse have access to both locally facilitated online courses as well as those in the statewide network. Students interested in taking an online course should register on the course selection sheets at their schools as that information will be more up-to-date. Other on-line options exist via the Wisconsin eSchool Network. Please see your school counselor for more details.

eScholars Online Course Catalog



Students in a full-time, home-based learning environment have access to all available online coursework. Students residing within district boundaries who are currently open enrolled in a full-time virtual school are eligible to transfer to the district's full-time online program.

Appendix

Earning college credit while in high school is a valuable opportunity!

Courses labeled Transcribed Credit and/or Concurrent Enrollment or Dual Credit may provide this opportunity for students to earn college credit while in high school.

***Please Note:** Transcribed Credit and/or Concurrent Enrollment or Dual Credit agreements with technical colleges and universities are subject to change per course from one school year to the next. For this reason, it is important that students consult with their school counselor when registering for courses with the intent to earn college credit.*