

2025-2026 Course Guide



Prairie du Chien High School

800 East Crawford Street
Prairie du Chien, WI 53821

Mr. Andy Banasik
Principal
(608) 326-3702
banan@pdc.k12.wi.us

TABLE OF CONTENTS

COURSE REGISTRATION PROCESS	7
DROP/WITHDRAW GUIDELINES – PDC HIGH SCHOOL	7
DROP/WITHDRAW GUIDELINES – MIGHTY RIVER VIRTUAL ACADEMY	7
CREDITS	8
CLASS RANKING	8
GRADING SCALE.....	9
HONOR ROLL	9
ACADEMIC LETTERS.....	9
COURSE DEFINITIONS	10
ADVANCED PLACEMENT COURSE.....	10
ELECTIVE COURSE.....	11
PREREQUISITE COURSE.....	11
REQUIRED COURSE.....	11
SOUTHWEST RURAL TELECOMMUNICATIONS NETWORK CONSORTIUM (SRTNC) COURSE	11
TRANSCRIPTED CREDIT	12
SWTC INFORMATION.....	13-14
PISTONS TO PATHWAY	15
COLLEGE UP	16-17
ALTERNATIVE EDUCATION	18
GENERAL EDUCATION DIPLOMA OPTION #2 (GEDO2)	18
START COLLEGE NOW	18
EARLY COLLEGE CREDIT PROGRAM	18
YOUTH APPRENTICESHIP	18
SPECIAL EDUCATION SERVICES.....	18
GRADUATION REQUIREMENTS	19
EARLY GRADUATION.....	19
CO-CURRICULAR ACTIVITIES	20
PLANNING GUIDES	21
UW System Planning Guide.....	21
4-YEAR HIGH SCHOOL PLANNING GUIDE	22
FRESHMAN PLANNING GUIDE.....	23
SOPHOMORE PLANNING GUIDE.....	23

JUNIOR PLANNING GUIDE	23
SENIOR PLANNING GUIDE	23
CAREER CLUSTERS	24-25
COURSE CATALOG	26
AGRICULTURE	26
Ag Leadership & Business(5591)	26
Animal Science – Large (5555ss).....	26
Animal Science – Small (5553ss).....	26
Farm to Fork	26
Forestry, Wildlife & Conservation Management (5552ss)	27
Foundations of Agriscience (5557ss)	27
Greenhouse Production Management I (5573ss)	27
Plant Science (5560ss)	28
ART	28
AP Art History (5282ys)	28
AP 2D Art and Design (5296ys).....	28
AP 3D Studio Art (5297ys)	28
Intro to 2D Art (5277ss)	28
Intro to 3D Art (5278ss).....	29
Drawing (5290ss)	29
Painting (5292ss)	29
Printmaking (5294ss).....	29
Ceramics I (5286ss)	29
Ceramics II (5288ss).....	30
BUSINESS EDUCATION.....	30
Accounting I (5629ys)	30
Advanced Accounting (5635ys)	30
AP Macroeconomics (5640ys)	31
Computer Applications (5603ss)	31
Digital Media (5647ss)	31
Introduction to Business (5646ss)	31
Marketing Principles (5601ss)	31
Microsoft Access/Word MOS (5622ss).....	32
Microsoft Excel MOS (5621ss).....	32

Personal Finance I (5626ss)	32
Personal Finance II (5627ss)	32
ENGLISH	33
AP English Language (5064ys)	33
AP English Literature (5090ys).....	33
Creative Writing (5080ss)	33
English 9 (5053ys)	34
English 10 (5058ys)	34
English 11 (5063ys)	34
English 12 (5067ys)	34
Oral/Interpersonal Communication (5091ss).....	34
Speech (5072ss).....	34
Written Communication (5092ss)	34
FAMILY AND CONSUMER SCIENCE	35
Food Science (5207ss)	35
Food Service (5208ss).....	35
Textile Arts (5206ss)	35
WORLD LANGUAGE	35
Spanish I (5703ys).....	35
Spanish II (5705ys).....	35
Spanish III (5707ys).....	35
Spanish IV (5709ys).....	35
FRESHMAN ACADEMY	36
Careers (5749ss)	36
GUIDANCE	36
BAK Tutor (5934ss)	36
BV Tutor (5935ss)	36
Work Experience (5936ss)	37
HEALTH CAREER PREP COURSES	37
Anatomy & Physiology (5132ys).....	37
Biomedical Innovations PLTW (5107sb)	37
Human Body Systems PLTW (5104sb).....	37
Medical Interventions PLTW (5106sb)	37
Nursing Assistant (7070ss).....	37

Principles of Biomedical Science PLTW (5103sb)	38
MATHEMATICS	38
Accounting I (5629ys)	38
Advanced Accounting (5635ys)	38
ACT Prep Mathematics (5753ss).....	39
Algebra I (5008ys).....	39
Algebra II (5015sb).....	39
AP Calculus AB (5025ys)	39
AP Calculus BC (5019ys)	39
AP Statistics (5022ys).....	40
Applied Math (5036ss)	40
Building Trades (5512sb)	40
Calculus (5020sb).....	40
College Mathematics (5040ss)	40
Construction Technology (5507ss)	41
Foundations of Algebra (5037ys).....	41
Geometry (5028ys).....	41
Math with Business Applications (5041ss)	41
Personal Finance I (5626ss)	41
Personal Finance II (5627ss)	42
Prairie Woods Production (5518sb)	42
Pre-Calculus (5018sb)	42
Statistics (5017ss)	42
Woods I (5502ss)	43
Woods II (5501ss)	43
High School Math Courses Flowchart.....	44
MUSIC.....	45
AP Music Theory (5256ys)	45
Band (5251ys).....	45
Concert Choir (5261ys).....	45
Guitar I – Beginning Guitar (5268ss).....	45
PHYSICAL EDUCATION/HEALTH.....	46
Athletic Training and Management (5306ys)	46
Core Performance (5305ss)	46

Health (5350ss).....	46
Lifetime Sports (5315ss)	46
Principles of Coaching & Principles of Officiating (5311)	46
SCIENCE	46
Anatomy & Physiology (5132ys)	46
Animal Science – Large (5555ss).....	46
Animal Science – Small (5553ss).....	47
AP Biology (5109ys)	47
AP Environmental Science (5102ys)	47
Biology I (5110ys)	47
Biology II (5115sb)	47
Biomedical Innovations PLTW (5107sb)	48
Chemistry I (5117ys).....	48
Chemistry II (5119ys).....	48
Food Science (5207ss)	48
Forestry, Wildlife & Conservation Management (5552sb).....	49
Foundations of Agriscience (5557ss)	49
Foundations of Science (5110FA/FB).....	49
Greenhouse Production Management I (5557ss)	49
Human Body Systems PLTW (5104sb)	49
Medical Interventions PLTW (5106sb)	50
Physics (5136ys).....	50
Plant Science (5560ss)	50
Pre AP-Bio (5708ys)	50
Principles of Biomedical Science PLTW (5103sb)	50
SOCIAL STUDIES	51
AP Human Geography (5156ys).....	51
AP Psychology (5195ys)	51
AP US Government & Politics (5192ys)	51
AP US History (5190ys)	51
AP World History: Modern (5151ys)	52
Civics (5154Ass)	52
Holocaust Studies (5183ss).....	52
Human Psychology (5180ss)	52

Sociology (5185ss)	52
US Government (5175ys)	53
US History (5158ys)	53
World Geography (5154ss).....	53
TECHNOLOGY EDUCATION	53
Building Trades (5512sb)	53
Construction Technology (5507ss)	54
Intro to Robotics (5524ss)	54
Intro to Mechatronics (5523ss)	54
Intro to Programming Logic Controls (5525ss).....	54
Internet of Things (5526ss).....	54
Mechanics/Transportation (5571 ss).....	54
Prairie Woods Production (5518sb)	55
Welding I (5521ss)	55
Welding II (5522ss)	55
Woods I (5502ss)	55
Woods II (5501ss)	55

COURSE REGISTRATION PROCESS

This course guide is for students and parents/guardians. Each year students should seriously consider their educational and career goals and develop a program of study to work toward them. In planning for the school year, students and parents/guardians should consider:

- Do the courses meet graduation requirements?
- Do the courses meet the student's need for anticipated post high school educational needs or career choices?
- Do the courses match the student's ability and expand or develop their interests?

This course guide will help students and their parent's guardians plan a high school program based on these selected goals. Parents/guardians are requested to be actively involved with their children in selecting an appropriate program of courses for the coming year by:

- Reading and discussing this course guide with their child.
- Reviewing the progress reports and student report cards.
- Discussing appropriate course selection with the student's current teachers and ACP Coordinator or Principal.

After entering a course request, students will be called in to meet with an advisor in an individual conference to review credits, choices of subjects, and complete final schedule.

DROP/WITHDRAW GUIDELINES – PDC HIGH SCHOOL

Schedule changes for courses taken at Prairie du Chien High School should be done prior to the beginning of a semester in order to minimize disruption. Once the semester has started, students may request to drop/withdraw from a course through the administration only. Students may not drop a course if it results in less than a full load. Students may not drop a course after the second day of the beginning of class without an administrator/parent meeting. Students who drop a course(s) after the deadline may receive an F. Students may only drop a course for a course. Students who take a semester course may not drop at the end of term.

DROP/WITHDRAW GUIDELINES – MIGHTY RIVER VIRTUAL ACADEMY

Students taking a course(s) through Might River Virtual Academy may elect to drop/withdraw from that course if it is within two weeks from the course start date. If students drop/withdraw from a course(s) within the two week grace period, the course(s) will not show up on their official high school transcript and not be included in the cumulative GPA. Students may request to drop/withdraw from a course through the Mighty River administration only. Once the first two weeks are complete, the grade that the student earned in the course will appear on their official high school transcript and be included in the cumulative GPA.

CREDITS

Prairie du Chien High School measures school achievements by credit accumulated during the years in school. Listed below will be how credits are earned:

- | | | |
|--------------|----------------------|------------------------------|
| • 1.0 Credit | Semester Block Class | Meets 80 min 5x week |
| • 0.5 Credit | Semester Skinny | Meets 80 min every other day |
| • 1.0 Credit | Year-long Skinny | Meets 80 min every other day |

CLASS RANKING

Prairie du Chien High School will figure class rank solely on GPA with AP Enhancer for each term accumulated until a student's last term grade of their senior year. All courses taught at Prairie du Chien High School and Mighty River Virtual Academy will count toward the GPA with AP Enhancer. SENIORS ONLY: For scholarships, Valedictorian, and Salutatorian purposes, the ranking will be calculated after the 7th semester.

GPA AP Enhancer

AP Test Score of 2; Class GPA x 1.2

AP Test Score of 3; Class GPA x 1.3

AP Test Score of 4; Class GPA x 1.4

AP Test Score of 5; Class GPA x 1.5

GPA Enhancer based on 0.5 credit/semester	Grade of A		Grade of B		Grade of C	
	sem 1	sem 2	sem 1	sem 2	sem 1	sem 2
AP Test Score of 2	2.4	2.4	1.8	1.8	1.2	1.2
AP Test Score of 3	2.6	2.6	1.95	1.95	1.3	1.3
AP Test Score of 4	2.8	2.8	2.1	2.1	1.4	1.4
AP Test Score of 5	3.0	3.0	2.25	2.25	1.5	1.5

For example: Student scores a 3 on an AP exam with a semester 1 grade of an A (2.6 points) and a semester 2 grade of a B (1.95 points). The total GPA Enhancer points added will equal 4.55 (2.6 + 1.95 = 4.55).

GRADING SCALE

Letter Grade	Range	
	High	Low
A+	100.00	96.50
A	96.49	94.50
A-	94.49	92.50
B+	92.49	89.50
B	89.49	85.50
B-	85.49	84.50
C+	84.49	79.50
C	79.49	74.50
C-	74.49	69.50
D+	69.49	66.50
D	66.49	63.50
D-	63.49	59.50
F	59.49	0.00

HONOR ROLL

High Honors will consist of students who earn a 3.5 GPA or higher for the term. Honors will consist of students who earn a 3.0 to 3.499 GPA. Students must carry a minimum of 7 courses. All credited courses taken at Prairie du Chien High School and Mighty River Virtual Academy will count toward the semester GPA.

ACADEMIC LETTERS

The Student Council recognizes academic success by awarding letters and pins. Ten (10) points are awarded to students earning High Honor Roll status. Five (5) points are awarded to students earning Honor Roll status. The points will be recorded on a nine week basis and totaled at that time. The academic letter will then be awarded after 90 points are accumulated and an academic pin will be awarded at 120 points.

COURSE DEFINITIONS

ADVANCED PLACEMENT COURSE

The Advanced Placement Program (AP) is a cooperative educational endeavor between high schools, colleges, and universities. It allows students to enroll in college-level courses while in high school and gives them the opportunity to show mastery by taking an AP exam. Advanced Placement classes are designed to be very academically challenging, and to give the students an idea of the difficulty of a college course.

At the end of the course the students will take a required exam in May which is available for 0-6 college credits depending upon the performance of the student. When the Prairie du Chien Area School District offers an Advanced Placement course, the following conditions will apply: 1. The school will pay the cost of the AP course exam. The College Board will charge the District \$40 for any exams ordered or canceled after the AP exam ordering deadline. Prairie du Chien High School will bill the \$40 charge to students who take either of these actions. Additionally, any student who is earning a D+ or below at the end of the 3rd quarter will not be allowed to sit for the exam and will be billed the \$40 charge for the unused exam. 2. The student will have the responsibility to accommodate the National Examination Test date and time.

Each exam consists of two sections. The first section is made up of multiple-choice questions. The other section consists of free-response essay questions in various forms: essays, audio taped responses, analysis of historical documents, extended problem solving, etc. Students will receive their grade report in July.

The AP grading scale is as follows:

5	Extremely well qualified
4	Well qualified
3	Qualified
2	Possibly Qualified
1	No recommendation

Most colleges and universities accept AP scores of 3 or above. Students will receive credit, advanced placement or both at most colleges and universities. The amount of credit received varies on the college, the AP score, and the subject. Students are also able to move into a higher-level class at college as a freshman. This not only translates into time saved, but also financial savings for each credit earned while in high school.

AP courses offered at Prairie du Chien High School

- [AP 2D Art and Design](#)
- [AP 3D Studio Art](#)
- [AP Macroeconomics](#)
- [AP English Language](#)
- [AP English Literature](#)
- [AP Calculus AB](#)
- [AP Calculus BC -Online](#)
- [AP Statistics](#)
- [AP Music Theory](#)
- [AP Biology](#)
- [AP Environmental Science](#)
- [AP Human Geography](#)
- [AP Psychology](#)
- [AP US Government & Politics](#)
- [AP US History](#)
- [AP World History: Modern](#)

ELECTIVE COURSE

An elective course is a course which a student may choose to take to earn toward the diploma.

General Elective

A general elective course is any course which does not fall into the total of a required graduation requirement.

Math Electives

- [Accounting I](#)
- [ACT Prep Math](#)
- [Advanced Accounting](#)
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- [Applied Math](#)
- [Building Trades](#)
- Calculus
- [Construction Technology](#)
- [Personal Finance I](#)
- [Personal Finance II](#)
- [Prairie Woods Production](#)
- Pre-Calculus
- Statistics
- [Woods I](#)
- [Woods II](#)
- [Foundations of Algebra](#)
- [College Mathematics](#)

Science Electives

- [Anatomy & Physiology](#)
- [Animal Science – Small](#)
- [Animal Science – Large](#)
- Biology II
- Chemistry II
- [Food Science](#)
- [Forestry, Wild & Cons Mngt](#)
- Foundations of Agriscience
- Greenhouse Production Management
- Greenhouse Production Management II
- [Physics](#)
- [Plant Science](#)
- (PLTW) [Biomedical Innovations](#)
- (PLTW) [Human Body Systems](#)
- (PLTW) [Medical Interventions](#)
- (PLTW) [Principles of Biomedical Sciences](#)
- Foundations of Science

PREREQUISITE COURSE

A prerequisite is a course condition in which a student must complete or meet before the course may be taken.

REQUIRED COURSE

A required course is a course which a student must successfully complete in order to earn a Prairie du Chien High School diploma.

SOUTHWEST RURAL TELECOMMUNICATIONS NETWORK CONSORTIUM (SRTNC) COURSE

SRTNC (pronounced certain-see) is a 25-member distance learning network that utilizes the latest in fiber optic technology to provide an educational tool for students and community members of Southwest Wisconsin. Its goal is to expand and enhance educational opportunities for all students and citizens with the member school districts.

TRANSCRIPTED CREDIT

Transcripted credit courses have an agreement between Prairie du Chien High School and area colleges that if a student successfully passes a specific course, they will receive college credits for the specific course at the issuing institution. The credit may be transferred to another post-secondary institution.

AGRICULTURE			
High School Course	Southwest Tech Course	Credits	PdC Staff
Plant Science	Plant Science 10-006-160	3	Chapman
Animal Science – Large	Animal Science 10-006-180	3	Chapman
BUSINESS EDUCATION			
High School Course	Southwest Tech Course	Credits	PdC Staff
Accounting	Accounting I 10-101-111	4	Bollum
Computer Applications	Computer Applications 10-105-110	1	
MS Excel MOS	Beginning Microsoft Excel 10-103-106	1	
MS Access/Word MOS	Beginning Microsoft Access 10-103-111	1	
	Beginning Microsoft Word 10-103-105	1	
Marketing Principles	Marketing Principles 10-104-130	3	
Personal Finance I	Personal Finance 10-102-151	1	Bollum
Intro to Business	Introduction to Business 10-102-105	3	Bollum
ENGLISH			
High School Course	Southwest Tech Course	Credits	PdC Staff
AP English Language & Composition	Written Communication 10-801-195	3	Johnson
Oral/Interpersonal Communication	Oral/Interpersonal Communication 10-801-196	3	Johnson
Speech	Speech 10-801-198	3	Johnson
Written Communication	Written Communication 10-801-195	3	Johnson
MATH			
High School Course	Southwest Tech Course	Credits	PdC Staff
Algebra II	College Technical Math 1A 10-804-113	3	Luster
Pre-calculus	College Technical Math 1B 10-804-114	2	Luster
Applied Mathematics	Applied Mathematics 31-804-305	2	Luster
AP Statistics	Introductory Statistics 10-804-189	3	Luster
College Mathematics	College Mathematics 10-804-107	3	Luster
Math w/Business Applications	Math w/Business Applications 10-804-123	3	Luster
SCIENCE			
High School Course	Southwest Tech Course	Credits	PdC Staff
Physics	College Physics 1 10-806-103	3	Timmerman
SOCIAL SCIENCE			
High School Course	Southwest Tech Course	Credits	PdC Staff
Sociology	Intro to Sociology 10-809-196	3	Huffman
US Government	Introduction to American Govt. 10-809-122	3	

Business Academy

A Partnership between Southwest Tech and Prairie du Chien School District

Supply Chain Assistant				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Excel	10-103-106	Transcripted Credit	1	\$153.73
Written Communication	10-801-195	Transcripted Credit	3	\$452.19
Introductory Statistics	10-804-189	Transcripted Credit	3	\$452.19
Math with Business Applications	10-804-123	Transcripted Credit	3	\$452.19
Total Credits towards Supply Chain Assistant Technical Diploma			10	\$1,510.30 total cost savings
Remaining Credits after High School			22	

Supply Chain Management				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Excel	10-103-106	Transcripted Credit	1	\$153.73
Written Communication	10-801-195	Transcripted Credit	3	\$452.19
Introductory Statistics	10-804-189	Transcripted Credit	3	\$452.19
Math with Business Applications	10-804-123	Transcripted Credit	3	\$452.19
Accounting I	10-101-111	Transcripted Credit	2^	\$610.92
Oral/Interpersonal Communication	10-801-196	Transcripted Credit	3	\$452.19
Management Principles	10-102-130	38.14	3	\$452.19
Total Credits towards Supply Chain Management Associate Degree			18	\$3,025.60 total cost savings
Remaining Credits after High School			43	

^4-credit Accounting I substituted for 2-credit Accounting I – Part 1

Leadership Development				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Excel	10-103-106	Transcripted Credit	1	\$153.73
Written Communication	10-801-195	Transcripted Credit	3	\$452.19
Introduction to Business	10-102-105	Transcripted Credit	3	\$452.19
Math with Business Applications	10-804-123	Transcripted Credit	3	\$452.19
Oral/Interpersonal Communication	10-801-196	Transcripted Credit	3	\$452.19
Management Principles	10-102-130	38.14	3	\$452.19
Total Credits towards Leadership Development Associate Degree			16	\$2,414.68 total cost savings
Remaining Credits after High School			44	

Business Management				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Word	10-103-105	Transcribed Credit	1	\$153.73
Beginning Microsoft Excel	10-103-106	Transcribed Credit	1	\$153.73
Written Communication	10-801-195	Transcribed Credit	3	\$452.19
Introduction to Business	10-102-105	Transcribed Credit	3	\$452.19
Accounting I	10-101-111	Transcribed Credit	4	\$610.92
Marketing Principles	10-104-130	Transcribed Credit	3	\$452.19
Personal Finance	10-102-151	Transcribed Credit	1	\$153.73
Math with Business Applications	10-804-123	Transcribed Credit	3	\$452.19
Speech	10-801-198	Transcribed Credit	3	\$452.19
Intro to Psychology	10-801-198	38.14	3	\$452.19
Management Principles	10-102-130	38.14	3	\$452.19
Total Credits towards Business Management Associate Degree			28	\$4,237.44 total cost savings
Remaining Credits after High School			32	

Tax Preparer Assistant				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Word	10-103-105	Transcribed Credit	1	\$153.71
Beginning Microsoft Excel	10-103-106	Transcribed Credit	1	\$153.73
Oral/Interpersonal Communication	10-801-196	Transcribed Credit	3	\$452.19
Accounting I	10-101-111	Transcribed Credit	4	\$610.92
Taxes 1	10-101-117	38.14	3	\$458.19
Total Credits towards Tax Preparer Assistant Certificate			12	\$1,828.76 total cost savings
Certificate Completed! Remaining Credits:			0	

Accounting				
Course Name	Course Number	Course Type	Credits	Approximate Cost Savings to Students*
Beginning Microsoft Word	10-103-105	Transcribed Credit	1	\$153.73
Beginning Microsoft Excel	10-103-106	Transcribed Credit	1	\$153.73
Oral/Interpersonal Communication	10-801-196	Transcribed Credit	3	\$452.19
Accounting I	10-101-111	Transcribed Credit	4	\$610.92
Written Communication	10-801-195	Transcribed Credit	3	\$452.19
Taxes 1	10-101-117	38.14	3	\$458.19
Math with Business Applications	10-804-123	Transcribed Credit	3	\$452.19
Total Credits towards Accounting Assistant Technical Diploma or Accounting Associate Degree			18	\$2,733.14 total cost savings
Remaining Credits after High School for Accounting Assistant Technical Diploma			16	
Remaining Credits after High School for Accounting Associate Degree			48	

*Based on 2020-2021 tuition and fee costs.



ColLEDGE UP

PISTONS *To* PATHWAYS

Do you love problem solving and diverse work? Are you detail-oriented and ambitious?

Take the first step towards this rewarding career by enrolling in Pistons to Pathways as a high school junior or senior!

If you possess these attributes and you love cars and trucks, you may have what it takes to pursue a career as an auto technician.

- Mechanically inclined
- Good reading and math skills
- Enjoy hands-on work
- Get along well with others
- Think logically
- Pay attention to details
- Be able to lift 50 pounds

You will earn both high school and college credit! You may also enroll in the CESA #3 Youth Apprenticeship Program for a work-based learning experience to enhance the skills learned in the classroom. Contact:

Tom Martin

Perkins Grant/Youth Apprenticeship Coordinator
tmartin@cesa3.org
608.822.2154 or

Chuck Keller

Youth Apprenticeship Coordinator
ckeller@cesa3.org
608.822.2163

After high school, you may continue into the Automotive Technician program at Southwest Tech with up to 5 program credits already completed! For more information about this opportunity, contact:

Mary Johannesen

Southwest Tech Career Prep and Dual Enrollment Coordinator
mjohannesen@swtc.edu
608.822.2367
(tdd: 608.822.2072)

12-21-2022



WEDNESDAY EVENING FACE-TO-FACE AUTOMOTIVE CLASSES ARE HELD AT THE FOLLOWING DEALERSHIPS:

Fillback
Family of Dealerships
Boscobel, Prairie du Chien,
and Richland Center

Kunes
Barneveld

Pioneer Ford
Platteville

COURSES

YEAR 1: JUNIOR OR SENIOR YEAR

Automotive Maintenance (32-404-314 / 3 credits)

Students perform routine maintenance of the automobile including new and used car preparation, fluid checks and service, interior and exterior considerations, replacing filters and small parts, repairing tires, replacing belts, replacing wiper blades, and other repairs to maintain acceptable automobile performance.

YEAR 2: SENIOR YEAR

Applied Automotive Maintenance (32-404-339 / 1 credit)

Students apply automotive maintenance skills, provide lab support, and mentor fellow students taking the Automotive Maintenance course. Expanding on the fundamental concepts of automotive maintenance, students develop advanced knowledge, skills, and abilities to prepare for the ASE Automotive Maintenance G1 certification exam. Particular emphasis is placed on learning outcomes associated with engine repair, automatic and manual transmissions, brakes, steering and suspension, electrical diagnosis, and HVAC systems. Pre-requisite: Automotive Maintenance (32-404-314)

Workplace Communication (31-801-310 / 2 credits)

Students apply oral, written, listening, and non-verbal skills to workplace situations. Students discover how to use communication as the key to solving workplace problems, resolving conflicts, working as members of a team, and effectively giving and receiving criticism. Students develop an understanding of diversity in the workplace, harassment issues, and the impact of substance abuse on the job.

COLLEDGE UP

This educational partnership between **CESA 3** and **Southwest Tech** allows students to earn high school and college credits at a cost as low as \$150/credit for general education courses. Southwest Tech's tuition is about **45% less** per year than in-state tuition at a university!



DELIVERY FORMAT

- ▲ Offered to all CESA 3 school districts in an academy/cohort format.
- ▲ Classes are held at high schools using the following delivery methods, which vary depending on program area:
 - a. Online (Schoology) with added resource of recorded video lectures
 - b. SRTNC (Zoom) synchronous video lecture
 - c. Face-to-face on SWTC's campus
- ▲ Participating high schools will provide a room and room facilitator (synchronous video lectures only).

FOR MORE INFORMATION

Contact **Mary Johannesen**
SWTC Career Prep & Dual Enrollment Coordinator



608.822.2367



mjohannesen@swtc.edu

If you need an accommodation to participate, call
608.822.2632 (TDD: 608.822.2072) or email
disabilityservices@swtc.edu

COLLEDGE UP OPPORTUNITIES



**SAVE
MONEY!**

GEAR UP

JUNIOR TO SENIOR YEAR

Students can earn up to 21 transferable college credits while enrolled in high school. The transferability of the course is ultimately up to the receiving institution.

COURSES AVAILABLE

- ▲ Introduction to Psychology
- ▲ Economics
- ▲ English Composition 1
- ▲ Introduction to Sociology
- ▲ Speech
- ▲ Introduction to Diversity
- ▲ Introductory Statistics



**MEDIAN
SALARY:
\$59,899[^]**

11—12—14 NURSING

▲ SOPHOMORE YEAR

Students will complete foundation courses.

▲ 11—JUNIOR YEAR

Students will complete semester 1 of SWTC's Nursing-Associate degree classes.

▲ 12—SENIOR YEAR

Students will complete semester 2 of SWTC's Nursing-Associate degree classes qualifying for the national LPN licensure exam.

▲ 14—

Students will complete the second year of SWTC's Nursing-Associate degree program on campus.



**GET A
HEAD
START!**

HEALTHCARE CAREERS

JUNIOR OR SENIOR YEAR

Students can get a head start on their career plans by taking 14 credits of foundational courses that are beneficial for any healthcare career.

OFFERED FALL

- ▲ Medical Terminology
- ▲ Fundamentals of Chemistry
- ▲ Nursing Assistant#

OFFERED SPRING

- ▲ Introductory Statistics
- ▲ General Anatomy & Physiology



**START
YOUR
PUBLIC
SERVICE
CAREER!**

EMERGENCY MEDICAL TECHNICIAN (EMT)/ FIREFIGHTER

SENIOR YEAR

Students can take courses to allow them to become certified as an EMT and/or firefighter. Students can also start their career pathway by earning 14 credits towards Southwest Tech's Criminal Justice Studies program.

OFFERED FALL

- ▲ EMT 1
- ▲ EMT 2
- ▲ Emergency Telecommunicator

OFFERED SPRING

- ▲ Firefighting Principles
- ▲ Hazmat Awareness & Ops



11-02-23

COLLEGE UP OPPORTUNITIES



**WORK
LOCAL IN
A FOOD
INDUSTRY
CAREER!**

LABORATORY SCIENCE TECHNICIAN

SENIOR YEAR

Complete 16 Credits

Students will complete the 16-credit laboratory science program and earn a college technical diploma. Program is available to any interested high school senior with in-person lab instruction taking place at Richland Center High School.

- ▲ **FALL:** 8 credits of lab science coursework
- ▲ **SPRING:** 6 credits of lab science coursework
- ▲ **SUMMER:** 2 credits of lab science practicum—often a paid experience.



**TRAIN
WITH
INDUSTRY
EXPERTS!**

PISTONS TO PATHWAYS

JUNIOR AND/OR SENIOR YEAR

Take the first step toward becoming an automotive technician by enrolling in up to 5 credits that are a part of the Automotive Technician program at Southwest Tech. Classes take place on Wednesday evenings on-site at five area auto dealerships.

FIRST-YEAR STUDENTS

- ▲ Automotive Maintenance

SECOND-YEAR STUDENTS

- ▲ Workplace Communication
- ▲ Applied Automotive Maintenance



**MEDIAN
SALARY:
\$39,517***

COMPUTER NUMERICAL CONTROL (CNC) MACHINE OPERATOR/PROGRAMMER

SENIOR YEAR

Complete 26 Credits

Students will complete the 26-credit CNC Machine Operator/Programmer program and earn a college technical diploma. Program is offered at Platteville High School but is available to any interested high school senior.

FALL

- ▲ 13 credits of CNC coursework

SPRING

- ▲ 13 credits of CNC coursework

* Credit cost each year is dependent on state approved tuition for the academic year and does not include textbooks.
CNA cost will be at regular tuition/fees and student will enroll in course section that best fits his/her schedule.
^ Wisconsin Technical College System; www.wtcsystem.edu



CRIMINAL JUSTICE STUDIES

JUNIOR AND SENIOR YEAR

Courses instruction will take place through online delivery and will also include experiential visits to various correctional facilities and law enforcement agencies. Courses are a part of the Criminal Justice Studies Associate Degree.

OFFERED FALL

- ▲ Intro to Corrections
- ▲ Intro to Psychology OR Intro to Diversity Studies

OFFERED SPRING

- ▲ Intro to Criminal Justice
- ▲ English Composition I



EDUCATION

JUNIOR AND/OR SENIOR YEAR

Students can take a first step towards a career in education by earning 12 credits towards the Early Childhood Education Associate Degree. Course instruction will take place through online delivery with the added resource of recorded video lectures. Successful completion of ECE courses may allow students to work in a day care setting.

OFFERED FALL

- ▲ ECE: Health, Safety, & Nutrition
- ▲ Intro to Psychology OR
- ▲ Intro to Diversity Studies

OFFERED SPRING

- ▲ ECE: Foundations of Early Childhood Education
- ▲ English Composition I



ARTISANAL MODERN MEAT BUTCHERING

SENIOR YEAR

Students will complete the 13-credit Artisanal Modern Meat Butchering program and earn a college technical diploma. Program is offered at Platteville High School but is available to any interested high school senior. During the year-long program, students will learn the following skills:

- ▲ Farm Practices
- ▲ Livestock Terminology
- ▲ Animal Selection/Care
- ▲ Carcass Preparation
- ▲ Venison/Deer Processing
- ▲ Meat Cut Identification
- ▲ Meat Processing, Packaging, and Retail
- ▲ Food Safety and Sanitation Practices Following HACCP Principles

Southwest Tech is committed to legal affirmative action, equal opportunity access, and diversity of its campus community. www.swtc.edu/equality

Southwest Tech • 1800 Bronson Boulevard, Fennimore, WI 53809 • www.swtc.edu

ALTERNATIVE EDUCATION

GENERAL EDUCATION DIPLOMA OPTION #2 (GEDO2)

The GEDO #2 Program allows the Prairie du Chien School District to use the GED test to measure proficiency in place of high school credit for students enrolled in an alternative education program. Students who pass the GED test and complete the other requirements for graduation are entitled to the traditional high school diploma.

- Students must be at least 17 years of age
- Students must be at least one year behind their 9th grade class in credits earned
- Students should be able to demonstrate the ability to read at or above the 9th grade level
- A formal meeting with school personnel will be helpful prior to the student entering the program

Please refer to the Wisconsin Department of Instruction FAQ [here](#), or contact Mike Liddell at (608) 326-3843.

START COLLEGE NOW

The [Start College Now](#) program will allow high school students the opportunity to take college courses at Wisconsin Technical Colleges. For further information regarding the Start College Now program, please contact the Guidance Office.

EARLY COLLEGE CREDIT PROGRAM

The [Early College Credit Program](#) allows Wisconsin public and private high school student to take one or more courses at University of Wisconsin System universities for high school and/or college credit.

For further information regarding the Early College Credit Program, please contact the Guidance Office.

YOUTH APPRENTICESHIP

The [Youth Apprenticeship](#) program is a one/two year program beginning in the 11th or 12th grade, offering students guided learning through work experience within an industry. The student will acquire the skills necessary for the jobs of tomorrow and a linkage between secondary and post-secondary education. The apprentices will attend regular classes in their high school, in addition to career-related classes through SWTC. Students need a minimum of 900 worksite hours for completion of the two year program or 450 for the one year program. These hours may be obtained during the summer along with during the school year. If students work only during the school year, they will need to work an average of 10 hours/week during their junior year and 15 hours/week during their senior year. These hours may or may not be during the school day; therefore, by working during the summer the student is able to participate in school related activities.

For further information regarding the Youth Apprenticeship Program, please contact the Guidance Office.

SPECIAL EDUCATION SERVICES

The Prairie du Chien School District receives referrals on all students with suspected impairments or disabilities from all persons who have a reasonable cause to believe that such a need or condition exists. Prior to making a referral, the person who submits a referral must inform the parents/guardians of the intent to make the referral. The referral must be in writing and can be obtained from the Child Study Department. It must include the reason for the referral, the documentation informing the parents/guardians, and measurable pre-referral interventions that were attempted in the general education environment to meet a student's needs.

When a student is suspected of being a student with a disability (CWD), the Special Education designee shall appoint an evaluation IEP Team and consent for evaluation will be acquired before assessment begins.

GRADUATION REQUIREMENTS

All students graduating from Prairie du Chien High School must complete the requirements listed under their class planning guide section. In addition to the course requirements below, all students are required to successfully complete the ACT test. Students not completing the requirements of the school board will not be able to be involved in the graduation ceremonies.

EARLY GRADUATION

Any student who wishes to apply for early graduation must complete the following steps:

- Pass all courses taken during their senior year.
- Show proof of being enrolled in a post-secondary school or provide proof of employment.
- Letter from the parents/guardians stating that the student has permission for early graduation.
- Apply in writing to the Guidance Office on or before October 31st.
- Have 90% attendance for their senior year.

Coursework Area for Classes of 2026-2027	
Required Courses	Credits
ENGLISH	4
MATHEMATICS	5
SCIENCE	5
SOCIAL STUDIES	3
PHYSICAL EDUCATION	2
HEALTH	0.5
GENERAL ELECTIVES	8.5
TOTAL	28
*WI Civics Exam is required for graduation	

Coursework Area for Classes of 2028 and 2029	
Required Courses	Credits
ENGLISH	4
MATHEMATICS	4
SCIENCE	4
SOCIAL STUDIES	4
PHYSICAL EDUCATION	2
HEALTH	0.5
GENERAL ELECTIVES	8.5
PERSONAL FINANCE	.5
CAREERS	.5
TOTAL	28
*WI Civics Exam is required for graduation	

CO-CURRICULAR ACTIVITIES

Co-curricular activities are an important part of the school day. They serve to provide an opportunity to break from the daily academic routine. Some activities are an expansion of classes with new concepts and areas being explored, while others are designed to expand an interest or hobby. At Prairie du Chien High School, student participation in co-curricular activities is encouraged to the development of the "total student."

Archery
Art Club
Baseball
Boys' & Girls' Basketball
Book Club
Cheerleading
Concert Choir
Boys' & Girls' Cross Country
Fall Musical
FFA
Football
Forensics
GSA (Gay Straight Alliance)
Boys' and Girls' Golf

Jazz Band
Mock Trial
National Honor Society
Pep Band
Boys' & Girls' Soccer
Softball
Sources of Strength
Spanish Club
Spring Play
Student Council
Boys' & Girls' Track and Field
Vocal Jazz
Volleyball
Boys' & Girls' Wrestling

PLANNING GUIDES

As you prepare to register for courses, now would be an excellent time to review past and future goals. How do classes you have taken or will take next year “fit” your career plans? What courses do I need to get into a University/College, Technical/Vocational? What are my interests and abilities? What classes are required to graduate from high school and am I on track? What if I don’t know what I would like to do in the future?

***It’s a good idea to get more than the minimum college-prep credits because some UW System schools have additional college prep requirements. For example, UW-Madison requires two years of high school courses in a single foreign language. View specific preparatory requirements using the dropdown menu [HERE](#).**

UW System Planning Guide	
Subject	Each UW System campus has their unique admission guidelines. Click HERE for more information.
English	4 credits
Math	3 credits
Natural Science	3 credits
Social Science/History	3 credits
Electives	An additional 4 credits may be chosen from English, mathematics, natural science, social science/history, foreign language, fine arts, computer science, and other academic areas. (Two years of a single foreign language are required for admission to UW-Madison and are encouraged at other UW System campuses.) Some UW System campuses may also accept technical and career courses for a portion of these 4 elective credits.
Total Credits	17 credits

4-YEAR HIGH SCHOOL PLANNING GUIDE

Coursework Area – Class of 2026-2027		Coursework Area – Class of 2028 and 2029	
Required Courses	Credits	Required Courses	Credits
ENGLISH	4	ENGLISH	4
English 9	1	English 9	1
English 10	1	English 10	1
English 11 or AP English Language	1	English 11 or AP English Language	1
English 12 or AP English Literature, Written Communications, Speech, or Oral/Interpersonal Communication	1	English 12 or AP English Literature, Written Communications, Speech, or Oral/Interpersonal Communication	1
MATHEMATICS	5	MATHEMATICS	4
Algebra I	1	Algebra I	1
Geometry	1	Geometry	1
Algebra II	1	Algebra II / ACT Prep	1
Math Electives	2	Math Elective	1
SCIENCE	5	SCIENCE	4
Biology	1	Biology	1
Chemistry	1	Chemistry	1
Science Electives	3	Science Elective- In-Department	1
SOCIAL STUDIES	3	Science Elective	1
World History or AP Human Geography	1	SOCIAL STUDIES	1
US Government or AP US Government	1	World Geo/Civics or AP Human Geography	1
US History or AP US History	1	World History or AP World History	1
PHYSICAL EDUCATION	2	US History or AP US History	1
HEALTH	.5	Social Studies Elective	1
GENERAL ELECTIVES (CAREERS required as a freshman)	8.5	PHYSICAL EDUCATION	2
TOTAL	28	HEALTH	.5
*WI Civics Exam is required for graduation		GENERAL ELECTIVES (1 credit each of CTE, Fine Arts, & Foreign Language required)	8.5
		PERSONAL FINANCE	0.5
		CAREERS (Freshman Leadership)	0.5
		*WI Civics Exam is required for graduation	

4-YEAR HIGH SCHOOL PLANNING GUIDE

Freshman – Class of 2029	
English 9	
Foundations of Algebra	Algebra I
Foundations of Science	Biology I
AP Human Geography	Civics/World Geography
Physical Education	
Careers	
Personal Finance	
Electives	
<i>Testing Requirements:</i> <i>Pre-ACT Secure</i>	

Sophomores – Class of 2028	
English 10	
Geometry	
Chemistry I	
AP World History	World History
Physical Education	
Health	
Electives	
<i>Testing requirements:</i> <i>Pre-ACT Secure</i> <i>WI Forward Exam – Social Studies</i> <i>WI Civic Exam</i> <i>PSAT optional</i>	

Juniors – Class of 2027	
AP English Language	English 11
Algebra II OR ACT Prep Math	Pre-Calculus Or Statistics
Math Elective	
Required Science Course in Department	
AP US History	US History
Physical Education	
Electives	
<i>Testing Requirements:</i> <i>ACT</i> <i>PSAT optional</i>	

Seniors – Class of 2026	
AP English Literature or English 12 or Speech or Written Communication or Oral/Interpersonal Communication for a total of 1 credit	
AP Calculus, AP Statistics, or Math Elective	
AP Env Science or Science Elective	
AP Psychology or AP World History Elective	
Physical Education	
General Electives	

CAREER CLUSTERS

A career cluster is a group of careers that share common features. If you like one job in a cluster, you will probably find other jobs in that cluster that you will like as well. In total, there are 16 Career Clusters in the National Career Clusters Framework, representing more than 79 Career Pathways to help students navigate their way to greater success in college and the workplace. Career Clusters help students discover their interests and their passions, and empower them to choose the educational pathway that can lead to success in high school, in college and their careers.



Agriculture, Food & Natural Resources - *The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.*

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products & Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural & Technical Systems



Architecture & Construction - *Careers in designing, planning, managing, building and maintaining the built environment.*

- Construction
- Design/Pre-Construction
- Maintenance/Operations



Arts, A/V Technology & Communications - *Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.*

- A/V Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts



Business Management & Administration - *Business Management and Administration careers encompass planning, productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.*

- Administrative Support
- Business Information Management
- Operations Management
- Human Resources Management
- General Management



Education & Training - *Planning, managing and providing education and training services, and related learning support services.*

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training



Finance - *Planning, services for financial and investment planning, banking, insurance, and business financial management.*

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities & Investments



Government & Public Administration - *Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.*

- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation



Health Science

Health Sciences - Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

- Biotechnology Research & Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services



Hospitality & Tourism

Hospitality & Tourism - Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food/Beverage Services
- Travel & Tourism



Human Services

Human Services - Preparing individuals for employment in career pathways that relate to families and human needs.

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services



Information Technology

Information Technology - Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications



Law, Public Safety, Corrections & Security

Law, Public Safety, Corrections & Security - Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Legal Services
- Security & Protective Services



Manufacturing

Manufacturing - Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Dev.
- Production
- Quality Assurance



Marketing

Marketing - Planning, managing, and performing marketing activities to reach organizational objectives.

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales



Science, Technology, Engineering & Mathematics

Science, Technology, Engineering & Mathematics - Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

- Engineering & Technology
- Science & Mathematics



Transportation, Distribution & Logistics

Transportation, Distribution & Logistics - Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Transportation Operations
- Transportation Systems/Infrastructure Planning, Management & Regulation
- Sales & Service
- Logistics Planning & Management Services
- Warehousing & Distribution Center Operations

COURSE CATALOG

AGRICULTURE

Ag Leadership & Business (5591)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Foundations of Agriscience

Fulfills Grad Requirement: General Elective

This class offers plenty of experiences to learn the leadership skills and business savvy that is needed to be successful in the real world. Units in this class include concepts of agribusiness, understanding business management and structures, applying basic economic principles in agribusiness, starting and operating an agribusiness, agribusiness in the world market and employability in the agriculture industry. This fast-paced, student driven class will address leadership styles, goal-setting, group dynamics, motivation, professional etiquette, job skills, and more.

Note: This class is targeted to FFA officers as well as senior members

Animal Science – Large (5555ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course will focus on the industry responsible for the efficient production of livestock animals (beef and dairy cattle, sheep, goats, swine, poultry and horses) Animal anatomy, conformation, selection, evaluation, systems, nutrition, feeds and feeding, basic husbandry, and product evaluation will be covered.

Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with raising livestock and to meet the requirements of a complete agricultural education program.

Animal Science – Small (5553ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

Open to all students wishing to develop knowledge in handling small companion animals. This course involves learning animal anatomy, feeding and nutrition, reproduction, health, selection and behavior of small animals. Species covered include: dogs, cats, rabbits, gerbils, hamsters, guinea pigs, birds, and other creatures that are considered “pets.” Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with caring for small animals and to meet the requirements of a complete agricultural education program.

Farm to Fork (5592)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Foundations of Agriscience

Fulfills Grad Requirement: Science Elective or General Elective

Through this course students will learn how food makes it from a farm to our tables. Students will primarily focus on those commodities that are unique and special to Wisconsin and Iowa Agriculture. Students will also learn about a variety of topics that can be completed at home related to food production. This is not a foods/cooking class, and the focus of the course will be on agricultural principles related to food production

Subjects of study will include the chain of food production, Wisconsin and Iowa commodities, hydroponics, orchards, and honeybees. The course will be student driven and have opportunities to include any of the following topics; backyard chickens, composting, dairy products, gardening, geography & climate impact on agriculture, food around the world, modern agriculture practices, pests, urban gardening, and vegetable gardens.

Forestry, Wildlife & Conservation Management (5552ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

Students will apply knowledge of biology and natural resources to problem solve ethical questions of management. Conservation practices in the forests, soils, wildlife, and fisheries are all important, as is the economic sustainability of our state. We will utilize current topics that are posing challenges to our local community and state to research and promote answers and actions. Further, we will explore the concept of Nature Deficit Disorder and what it means to be a steward of the land. Learning activities include reading, completing multiple projects, in-class discussions, in-class activities, and presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with forestry, wildlife, soils and land stewardship, and to meet the requirements of a complete agricultural education program.

Foundations of Agriscience (5557ss)

Grade Level: 9-10

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

This course is an introductory course designed to expose students to different facets of FFA and the agriculture industry. Students will gain basic knowledge in animal science, plant science, food science, natural resources, leather craftsmanship, leadership skills, public speaking, and FFA opportunities. Instruction and student learning will occur through lectures, student projects, group discussions, hands on experiences, FFA experiences, Career Development Event participation, and their Supervised Agricultural Experience program.

Greenhouse Production Management (5573ss)

Grade Level: 11-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): [Plant Science](#)

Fulfills Grad Requirement: Science Elective or General Elective

Greenhouse Production Management is a course exposing students to greenhouse crop production, floral design and plant care and management. This course will offer an in-depth study of plant crops, the floral industry, hydroponic crops, and greenhouse maintenance and management. Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with managing a greenhouse and to meet the requirements of a complete agricultural education program.

Plant Science (5560ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

[Transcripted credit](#) issued from Southwest Technical College

Open to students who have completed biology, this course will make use of the greenhouse and cover such areas as plant growth, research of plants, weed and plant identification, soil types, and plant yields. Lab projects and experiments will give students hands-on approach to plant care and management from a production standpoint. Hydroponics will also be covered. The successful completion of this course will also give transcripted credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion. Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with plant science and to meet the requirements of a complete agricultural education program.

AP Art History (5282ys)*Grade Level: 11-12**Course Length: Year**Credits: 1.00**Prerequisite(s): C or better in at least 6 semester skinny art courses or consent from instructor; World History or AP Human Geography recommended but not required**Fulfills Grad Requirement: General Elective*

Do you love looking at art? Intrigued by how artists have viewed and changed the world around them, and how the world affects them? Wondering where your art fits in with everything that came before you? Take AP Art History. This course covers the same content as an introductory college art history survey. Students will critically analyze major forms of artistic expression from the past in a variety of global cultures. While visual analysis is a fundamental tool of artists, art historians use these principles not to create art but to understand it; how and why works of art function in context, considering relevant socio-economic issues such as politics, gender, religion, and class. Explore the reciprocal nature of art in its many forms with culture, examining the wider functions and effects of art on society. In short: how do we affect art, and how does art affect us? A strong understanding of art-making, general world history, and writing composition are highly recommended before enrolling in this course.

AP 2D Art and Design (5296ys)*Grade Level: 11-12**Course Length: Year**Credits: 1.00**Prerequisite(s): C or better in at least 6 semester skinny art courses including Intro to 2D, or consent from instructor**Fulfills Grad Requirement: General Elective*

Are you an avid drawer, painter, illustrator, and artist? Have you explored different 2D media and found your niche? Ready to express yourself through your art, both in images and the written word? This Advanced College placement course is a self-guided exploration of two-dimensional art. Students come up with their Inquiry Question—an enduring concept that inspires all of their work over the course of the year—and decide which 2D medium to utilize. Students then create a minimum of 15 finished works and submit them to the College Board in a digital portfolio, along with written artist statements. Scores are given based on both technical artistic skill and the conceptual ideas behind the work. While your instructor is here to help, it is highly suggested that AP Art students complete as many art courses as possible and possess strong artistic and writing skills before registering for this class. A good work ethic and consistent attendance is very important as project requirements include as many as 25 quality pieces of original artwork.

AP 3D Studio Art (5297ys)*Grade Level: 11-12**Course Length: Year**Credits: 1.00**Prerequisite(s): at least 6 semester skinny art courses including Intro to 3D and both Ceramics 1/2, or consent from instructor**Fulfills Grad Requirement: General Elective*

Are you a sculptor? Did you love Intro to 3D Art? Are you always in the Ceramics Studio? Ready to express yourself through your sculptures, both in images and the written word? This Advanced College placement course is a self-guided exploration of three-dimensional art. Students come up with their Inquiry Question—an enduring concept that inspires all of their work over the course of the year—and decide how to represent this idea through sculpture. Students then create a minimum of 15 finished works and submit them to the College Board in a digital portfolio, along with written artist statements. Scores are given based on both technical artistic skill and the conceptual ideas behind the work. While your instructor is here to help, it is highly suggested that AP Art students complete as many art courses as possible, including both Ceramics classes, and possess strong artistic and writing skills before registering for this class. A good work ethic and consistent attendance is very important as project requirements include as many as 25 quality pieces of original artwork.

Intro to 2D Art (5277ss)*Grade Level: 9-12**Course Length: Semester Skinny**Credits: 0.50**Fulfills Grad Requirement: General Elective*

Are you ready to tap into your artistic potential? Do you love to doodle, paint, or make a mess? Not an artist but want to be one? Intro to 2D Art is your crash course in all things two-dimensional art. Push yourself during intense boot camps exploring the fundamentals of media like graphite drawing, watercolor painting, and collage. Learn about different influential artists and artistic movements, both past and present, and how they changed the world. Make

your own self-guided projects using your favorite medium. Examples of possible projects include a personal identity still life, a dreamscape collage, and a self-portrait acrylic painting. For students who are especially interested in art, taking both Intro to 2D and 3D Art is recommended.

Intro to 3D Art (5278ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Are you a builder, maker, mover, and shaker? Like construction or fixing things? Intro to 3D Art introduces you to all things three-dimensional art. Experience new media through fast-paced boot camps, learning about techniques such as assemblage, kinetic sculpture, and papier mâché. Take a look at famous sculptors and sculptures throughout history and some still working today. Examples of possible projects include memorial sculpture installation, recycled found object assemblage, and interactive mobiles. Group projects will be part of the curriculum, so expect collaborative assignments. For students who are especially interested in art, taking both Intro to 2D and 3D art is recommended.

Drawing (5290ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Prerequisite(s): C or better in Intro to 2D Art or consent from instructor

Did you love graphite or charcoal in Intro to 2D? You're meant to be in Drawing! The course presents a more in-depth study into drawing techniques, exploring media including graphite, charcoal, conté, colored pencil, pen and ink, and pastels. Take a look at how artists, past and present, use drawing for planning, problem-solving, and art-making. Students will participate in boot camp-style introductions of media, then respond to thematic prompts based on artistic practices used by professionals, such as "Artists Observe" and "Artists Share Themselves." Throughout the semester, mini-lessons feature technical skills like perspective and facial proportions to improve your drawing arsenal. Students particularly interested in art are encouraged to take as many different classes as possible.

Painting (5292ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Prerequisite(s): C or better in Intro to 2D Art or consent from instructor

Was watercolor or acrylic your favorite part of Intro to 2D? Welcome to Painting! Take a more in-depth look into painting techniques and applications, exploring media including watercolor, ink, gouache, acrylic markers (as seen on TikTok!), acrylic, and oil. Learn how to build a canvas and size paper. Examine how painting has evolved and continues to stay relevant in the art world today. Students will participate in bootcamp-style introductions of media, then respond to thematic prompts based on professional artistic practices like "Artists Play" and "Artists Develop a Style." Mini lessons feature technical skills such as color theory, painting strategies, and art history analysis. Students particularly interested in art are encouraged to take as many different classes as possible.

Printmaking (5294ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Prerequisite(s): C or better in Intro to 2D Art or consent from instructor

Interested in bold images and bold statements? Printmaking is for you! Explore the wide world of print by tackling techniques like monoprint, linoleum block, woodblock, multiple color printing, stencils, screenprinting, etching, and collagraphs. Examine how printmakers have changed the world with their political and social activism. Explore what art is by reproducing images in both traditional and non-traditional settings. Students will participate in bootcamp-style introductions of media, then respond to thematic prompts based on professional artistic practices like "Artists Communicate" and "Artists Impact Their Community." Mini lessons feature technical skills such as typography and brainstorming practices. Printmaking is process-heavy, so be ready to carefully follow necessary steps and work hard. Students particularly interested in art are encouraged to take as many different classes as possible.

Ceramics I (5286ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Did you love the ceramics project in Intro to 3D? Join Ceramics 1! The course presents a more in-depth study into ceramic hand-building techniques, exploring making coils, slab-rolling, construction tactics, and glazing basics. Take a look at how ceramicists both the past and present express themselves through clay. Explore the difference between art and craft, functional versus sculptural ceramics, and everything in between. Students will participate in bootcamp-style introduction to ceramics. Students are challenged with new, progressive skills introduced with each project. A possible solution will be presented, but students ultimately create unique pieces to fulfill the challenge. Good time-management skills and self-motivation are a must to be successful in this class. Ceramics is process-heavy, so be ready to carefully follow necessary steps and work hard. Students particularly interested in art are encouraged to take as many different classes as possible.

Ceramics 2 (5288ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): C or better in [Ceramics I](#) or consent from instructor

Fulfills Grad Requirement: General Elective

Couldn't get enough of Ceramics 1? Consider enrolling in Ceramics 2! The course reviews hand-building techniques and introduces students to the pottery wheel. Explore advanced glazing techniques like underglaze and sgraffito. Learn about the firing process and help run the kilns. Keep analyzing the difference between art versus craft and functional versus sculptural ceramics. Students will review skills in bootcamp-style introduction, then are challenged with new, progressive skills introduced with each project. Projects will be given as a design challenge theme where students decide what and how to build their project, including prompts such as make a mask or create faux food. Open-ended prompts will be offered as well. Good time-management skills and self-motivation are a must to be successful in this class. Students particularly interested in art are encouraged to take as many different classes as possible.

BUSINESS EDUCATION

Accounting I (5629ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Math Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Many different college and university majors **require** a course in Accounting. Why? Accounting is **the language of business**! Hospitals use Accounting, businesses use Accounting, government agencies use Accounting, sports organizations use Accounting, the entertainment industry uses Accounting, and the list goes on.

It is a well-known fact that the first few weeks of college accounting equals one year of high school accounting. Students planning on pursuing a business related major at a university or technical school will benefit from the knowledge they gain during this term.

This is a one semester course that teaches the basic elements of double entry accounting systems in a sole proprietorship and partnerships, with an introduction to corporations. Students will be introduced to both manual and automated accounting practices which use special journals and subsidiary ledgers. This course is recommended for students who plan to study any aspect of business and/or marketing at the college level, for students pursuing a business career, or for those seeking a practical business and/or personal business background.

The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Advanced Accounting (5635ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Accounting I](#)

Fulfills Grad Requirement: Math Elective or General Elective

This course is for the student who enjoyed their previous Accounting course and wants to acquire a more thorough and in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis is placed on the corporate style of business organization. There are computer problems that support the lessons in the text. Examples of activities in Advanced Accounting include personal income taxes, depreciation, uncollectible accounts, stocks and bonds, and inventory costing.

The **Virtual Business – Accounting** sim brings accounting to life by letting your students do accounting on a business THEY run. Students work with T-accounts, a general journal, general ledger, and worksheets. Later,

students move on to using financial statements and ratio analysis to solve real business problems. They even use forensic accounting to uncover fraud and errors. *This course may only be offered every other year during the second semester.*

AP Macroeconomics (5640ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: General Elective

The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of basic economic concepts, supply and demand, measurement of economic performance, national income and price determination, the financial sector, inflation, unemployment, stabilization policies, economic growth and productivity, and international trade and finance.

Computer Applications (5603ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcripted credit](#) issued from Southwest Technical College

Computer Applications expands on the skills developed in the Computers 6, 7, and 8 courses. The scope of this course includes expanding computer literacy, applications, and analytical skills in software and hardware usage. Computer Applications focuses on Microsoft PowerPoint, advanced Microsoft Word, and advanced Microsoft Excel. Introductory Internet basics are also a part of the curriculum. The successful completion of this course will also give transcripted credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Digital Media (5647ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

This course is designed to provide students with an opportunity to take pictures/videos (as well as modify previously created photos) and edit them using Adobe software. In addition, students will be assigned various activities related to the editing of photos/videos to use for high school social media sites along with the video board in the fieldhouse.

Introduction to Business (5646ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course will introduce you to the world of business and help prepare you for future academic and career decisions. It is our goal that this course will also serve as a background for other business courses you may take in high school and in college. The long term emphasis would be to help you prepare for future employment. In addition to helping inform and prepare the student on what a business career is and what is required, we also plan to take students through the basic steps of developing a business plan and looking at all the factors that go into implementing a business plan and successfully running a small business. The successful completion of this course will also give transcripted credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Marketing Principles (5601ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course provides an integrated overview of business and marketing concepts and functions. Topics covered will include business operation functions, types of business organizations and ownership, business structure and culture, marketing principles, the world of marketing, the consumer market, marketing research, a product's life, pricing, and current events in marketing. The course also uses web based virtual business - Retailing program by Knowledge Matters. The successful completion of this course will also give transcripted credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Microsoft Access/Word MOS (5622ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is an introduction to Microsoft Access 2019 and Microsoft Word 2019. Students will learn the basic features to produce basic databases and documents. Students will have the opportunity to become certified as a Microsoft Office Specialist in Excel. Basic experience with Windows is assumed. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Microsoft Excel MOS (5621ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is an introduction to Microsoft Excel 2019. Students will learn the basic features to produce basic worksheets and charts. Other topic areas covered include formatting, formulas, built-in functions used to design functional worksheets to solve business problems. Students will have the opportunity to become certified as a Microsoft Office Specialist in Excel. Basic experience with Windows is assumed. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Personal Finance I (5626ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is a term course designed to prepare students to become/live financially independent. Consumer math problems will be used while providing students with information regarding financial planning, budgets, checking accounts and banking, credit, insurance, investments, and income taxes. This course is also designed to provide students with an understanding of basic personal business forms and records. EXCEL worksheets will be used to incorporate technology and the Occupational Outlook Handbook is one of many internet resources used. Preference is made to allow juniors and seniors to take this course as they have more personal financial experiences to draw from; however, it is possible for freshmen and sophomores to take this as well.

The **Virtual Business - Personal Finance** sim develops key personal financial skills in an online, simulated world. Students direct their simulated character through finding an apartment, job hunting, getting a bank account, budgeting, using credit, investing, paying taxes, and more. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Personal Finance II (5627ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): [Personal Finance I](#)

Fulfills Grad Requirement: Math Elective or General Elective

Are you interested in money? Do you wish you had more? Are you ambitious enough to research HOW you can have more? Are you confident enough to know that YOU control your own destiny? Do you enjoy reading, investigating, and calculating ways to come up with solutions? If so, continue reading . . .

It is assumed you have taken Personal Finance BEFORE taking this class. We will continue to work on Business Math problems and situations. A working knowledge of EXCEL is expected. We will explore the plans & theories of many personal finance experts that are in the media today and apply and contrast their suggestions to real life situations.

Dave Ramsey's Financial Peace University – High School curriculum will be the basis for this course. We will calculate the cost of various purchasing options in regard to vehicles, homes, insurance, and retirement investments. We will look at the various taxes that are a part of an adult's life & discuss changes that directly affect us. This can be a fun and rewarding journey toward becoming MONEY SMART!

ENGLISH

AP English Language (5064ys)

Grade Level: 11

Course Length: Year

Credits: 1.00

Prerequisite(s): [English 10](#)

Fulfills Grad Requirement: English 11

[Transcribed credit](#) issued from Southwest Technical College

The AP course in English Language and composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interaction among a writer's purposes, audience expectations, and subjects as well as the way conventions and the resources of language contribute to effectiveness in writing. Students will take the AP test when scheduled, a 2-hour exam to include 60 minutes of multiple choice questions and a little over 120 minutes of writing questions consisting of 3 essays. The AP English Language and Composition exam tests students' skill in reading and writing about rhetorical analysis, argument and synthesis. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

AP English Literature (5090ys)

Grade Level: 12

Course Length: Year

Credits: 1.00

Prerequisite(s): [AP English Language](#) or [English 11](#)

Fulfills Grad Requirement: English 12

The AP English Literature and Comprehension course is designed to engage students in the careful reading and critical analysis of imaginative literature. The course will include intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Students will read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form.

Some major works that are studied will include HAMLET, FRANKENSTEIN, OUR TOWN, poetry, drama, short stories, and essays. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. Critical analysis will make up the bulk of student writing for the course. Students will take the AP test when scheduled, a 3-hour exam * to include 60 minutes of multiple-choice questions and 120 minutes of free-response essay questions. The AP English Literature and Composition Exam tests students' skill in analyzing selected poems and prose passages and their ability to write critical or analytical essays based on poems, prose, passages, novels, or plays.

Creative Writing (5080ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Creative Writing is an elective English offering for all grades with preference given to upperclassmen. The course's main focus is to explore a variety of writing genres including, but not limited to, poetry, essays, short stories, fairy tales, and journaling. Students will write their own memoirs, autobiographies, children's books, interviews, short stories and several essays. Students will read excerpts from a variety of fiction and nonfiction sources. Although grammar is always a concern in any English class, with Creative Writing, students enjoy a bit more literary freedom. Along with written projects, students will analyze creative writers to compare how literary genres differ in content, style, and organization.

English 9 (5053ys)

Grade Level: 9

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: English 9

This course is [REQUIRED](#) for graduation. This is a course designed to review grammar concepts and continue fundamental reading, writing, speaking, and listening skills. Major units of work include the study of short stories, poetry, modern drama, and an introduction of William Shakespeare. Students will read ROMEO AND JULIET, LORD OF THE FLIES, A LONG WAY GONE: MEMOIRS OF A BOY SOLDIER, and THE ODYSSEY, and the reading counts novels. Emphasis is placed upon narrative writing and short essays. Students will complete a research paper of 2-4 pages.

English 10 (5058ys)

Grade Level: 10

Course Length: Year

Credits: 1.00

Prerequisite(s): [English 9](#)

Fulfills Grad Requirement: English 10

This course is [REQUIRED](#) for graduation. This course builds on reading and writing skills developed in previous English classes. Vocabulary study is expanded to help improve reading rate and comprehension. English 10 students will read classics such as JULIUS CAESAR, THE SCARLET LETTER and THE CRUCIBLE as well as other works including nonfiction, drama, and poetry. Emphasis is placed upon persuasive and narrative writing. Students will write a 3-5 page argumentative research paper and present their topic using persuasive speaking skills.

English 11 (5063ys)

Grade Level: 11

Course Length: Year

Credits: 1.00

Prerequisite(s): [English 10](#)

Fulfills Grad Requirement: English 11

This course will reinforce and improve reading and writing skills. Students will be exposed to literature. In this course, students will also learn reading techniques related to life experiences. English 11 will focus on improving vocabulary, paragraphs, essays, standardized testing, and grammar skills, culminating in the writing of a 5 page documented research paper. Students will also complete a verbal presentation/speech in the fourth quarter.

English 12 (5067ys)

Grade Level: 12

Course Length: Year

Credits: 1.00

Prerequisite(s): [AP English Language](#) or [English 11](#)

Fulfills Grad Requirement: English 12

This course reinforces writing, reading, vocabulary, speaking, and listening skills learned throughout the student's high school career. Major units of study will include a novel, reading strategies, and connections to the real world. Students will be expected to read inside and outside of class and participate in speaking and listening activities. During the third quarter, students will be expected to complete a capstone project based on college and career expectations.

Oral/Interpersonal Communication (5091ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: English 12 or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Students demonstrate competency in speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities and other projects. Students study the theories of intrapersonal and interpersonal communication. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges/universities at their discretion.

Speech (5072ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: English 12 or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Students explore the fundamentals of effective oral presentations to small and large groups. Students demonstrate competency through topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process. Students study theories of communication and the communication process. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Written Communication (5092ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: English 12 or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Students develop writing skills through prewriting, drafting, revising, and editing. Students complete writing assignments designed to help the learner analyze audience and purpose, research and organize ideas, and format and

design documents based on subject matter and content. Students develop critical reading and thinking skills through the analysis of a variety of written documents. Students should expect to do a significant amount of writing at a college level. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges/universities at their discretion.

FAMILY AND CONSUMER SCIENCE

Food Science (5207ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

Food Science is the study of the nature of food from the soil or feed lot to the table. Food Science is interdisciplinary involving concepts from biology, physiology, chemistry, nutrition, health, and food preparation.

Food Science is a hands-on course. Experimentation and food prep will clarify the concepts covered. The main topics covered include food safety, scientific evaluation, basic food chemistry, sensory perception and essential nutrients. We will also cover food related careers, processing, preservation, additives, packaging and development as time permits. This course will assist students in making science relevant to the “real world”.

Food Service (5208ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): [Food Science](#)

Fulfills Grad Requirement: General Elective

This course explores careers within the food service industry, safety and sanitation in food handling, quantity preparation methods, cost control, and food marketing. Field trips may be taken to local food service establishments. We also conduct a market analysis, test and sell food products in a business simulation. This course is ideal for students interested in food service careers or in operating a business.

Textile Arts (5206ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Students in Textile Arts will experiment with a variety of materials and techniques to design and create innovative fabric and fine art projects. The focus on experiential learning to build skills will then be used to design larger projects based on students’ individual interests. While experimenting with artistic applications of textile related techniques, this course will encourage technical and material exploration as well as the use of critical thinking to develop artistic talent.

WORLD LANGUAGE

Spanish I (5703ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: General Elective

Students taking Spanish I will have the opportunity to learn the language of America's largest ethnic minority. Students will learn simultaneously to speak, listen, read and write Spanish through a variety of activities and media: dramatics, conversational pairings, game playing, recordings, tapes, videos, and teacher directed activities. Students are evaluated on their class participation, daily assignments, projects, periodic quizzes, and oral/written exams. Good reading skills are highly recommended when taking this course.

Spanish II (5705ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Prerequisite(s): "C" or better [Spanish I](#)

Fulfills Grad Requirement: General Elective

Vocabulary growth expands in Spanish II with the addition of many conversational activities including: interacting and participating in a conversation: relating personal information about the past or future: getting into, through and out of typical cultural situations (e.g. * getting a hotel room, ordering a meal, making a professional or personal appointment, using the post office, making a telephone call, getting a taxi, and passing through customs). Students further explore the cultures of Spanish-speaking people by studying their various regional customs, preparing Spanish

cuisine, and viewing videos on Spain and Latin America. Students are evaluated on their class participation, daily assignments, projects, periodic quizzes, and oral/written exams.

Spanish III (5707ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Prerequisite(s): "C" or better [Spanish II](#)

Fulfills Grad Requirement: General Elective

The third-year student will be able to handle successfully a variety of communicative tasks and social situations in the target language. Students will be able to initiate, sustain, and close a general conversation. They will read consistently with increased understanding from texts featuring description and narration. In addition to speaking and reading, the student will also have the opportunity to write short narratives in the target languages. Students coming out of Spanish III will have the skills to communicate at intermediate level competency. A superlative completion of Spanish III permits some students to test for credit introductory language courses offered in college.

Spanish IV (5709ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Prerequisite(s): "C" or better [Spanish III](#)

Fulfills Grad Requirement: General Elective

Students in the fourth year of Spanish will carry out all the functions of level III increasing the content areas for discussion. Fourth year students will participate actively in oral and written forms including recounting a sequence of events, summarizing a movie, discussing current events, and making plans for a future activity. Communication in Spanish IV is in greater detail than previous levels using the present, past, and future tenses. Students at this level should survive linguistically and socially in the target culture. A superlative completion of Spanish IV permits some students to test for credit introductory Spanish Language courses offered in college.

FRESHMAN ACADEMY

Careers (5749ss)

Grade Level: 9

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Each 9th grade student is required to enroll in a Careers course. The freshmen Careers courses are designed to provide students with opportunities for interest and career exploration. The courses are intended to help students identify career values and goals so they may plan the path necessary to reach those goals in the post-secondary setting. The courses will stress skills in academic readiness, personal/social development as well as college and career readiness. Among the areas addressed in the course are: cyber safety, self-assessment to help students understand themselves and the careers that best fit their interests and personalities, academic and career readiness skills, career research, post-secondary research, resumes, job applications, cover letters, interviewing, employability skills, and high school and post-secondary planning. Guest speakers will be invited into the freshmen Careers courses on a regular basis throughout the semester and off-grounds outings will be planned when possible.

GUIDANCE

BAK Tutor (5934ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Administrative approval

Fulfills Grad Requirement: General Elective

Students will work with the teachers and other staff at BAK Elementary as tutors to students. Students may have to travel. Proper decorum is necessary.

BV Tutor (5935ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Administrative approval

Fulfills Grad Requirement: General Elective

Students will work with the teachers and other staff at Bluff View Intermediate as tutors to students. Students may have to travel. Proper decorum is necessary.

Work Experience (5936ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

The course is designed to assist students in gaining valuable general and specific job skills by participating in work-related activities. These activities are graded, and students will receive credit and pay. Students may receive up to **1/2 credit** per period, not to exceed more than 2 total credits earned. For example: A student participates in the Work Experience program for two periods each semester. (0.5 credit x 2 periods) = 1 credit earned x 2 semesters = 2 credits earned for the entire year. Required paperwork can be obtained from the Guidance Office.

HEALTH CAREER PREP COURSES

Anatomy & Physiology (5132ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Science Elective or General Elective

Students examine basic concepts of human anatomy and physiology as they relate to health sciences. Students use a body systems approach to analyze the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. They apply basic concepts of whole body anatomy and physiology to make informed decisions as health care professionals and to communicate professionally with colleagues and patients.

Biomedical Innovations PLTW (5107sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Medical Interventions PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address emergency department design, public health concerns, biomedical engineering, clinical medicine and physiology, and forensic autopsy. The independent capstone project includes designing a biomedical innovation to improve the life of living organisms.

Human Body Systems PLTW (5104sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Principles of Biomedical Science PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries.

Medical Interventions PLTW (5106sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Human Body Systems PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Nursing Assistant (7070ss)

Grade Level: 11-12

Course Length: Semester Skinny

Credits: 0.75

Offered through Start College Now via Southwest Wisconsin Technical College

2 SWTC credits

Students examine federal and state requirements to become certified nursing assistants. Students successfully complete the classroom and lab portion of the course before progressing on to an assigned clinical agency for hands-on application. Students demonstrate interpersonal communication skills, personal care skills, and basic nursing skills

while providing care to nursing home clients under the supervision of an instructor. Students also provide restorative care, protect client rights, and demonstrate care of the client with dementia. Students demonstrate academic and clinical application competency to prepare for successful completion of the National Nurse Aide Assessment Program (NNAAP) written and skills exam, which is required for entry onto the Wisconsin Nurse Aide Registry. Inclusion on the state registry is necessary for employment as a CNA.

Principles of Biomedical Science PLTW (5103sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Biology I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. While Chemistry is not a prerequisite for this course, it is strongly encouraged for any students that are not highly self-motivated in science.

MATHEMATICS

Accounting I (5629ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Math Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is taught in the Business Education Department. Many different college and university majors **require** a course in Accounting. Why? Accounting is **the language of business!** Hospitals use Accounting, businesses use Accounting, government agencies use Accounting, sports organizations use Accounting, the entertainment industry uses Accounting, and the list goes on.

It is a well-known fact that the first few weeks of college accounting equals one year of high school accounting.

Students planning on pursuing a business-related major at a university or technical school will benefit from the knowledge they gain during this term.

This is a one semester course that teaches the basic elements of double entry accounting systems in sole proprietorship and partnerships, with an introduction to corporations. Students will be introduced to both manual and automated accounting practices which use special journals and subsidiary ledgers. This course is recommended for students who plan to study any aspect of business and/or marketing at the college level, for students pursuing a business career, or for those seeking a practical business and/or personal business background.

The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply to other colleges and technical schools at their discretion.

Advanced Accounting (5635ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Accounting I](#)

Fulfills Grad Requirement: Math Elective or General Elective

This course is taught in the Business Education Department. This course is for the student who enjoyed their previous Accounting course and wants to acquire a more thorough and in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis is placed on the corporate style of business organization. There are computer problems that support the lessons in the text. Examples of activities in Advanced Accounting include personal income taxes, depreciation, uncollectible accounts, stocks and bonds, and inventory costing.

The **Virtual Business – Accounting** sim brings accounting to life by letting your students do accounting on a business THEY run. Students work with T-accounts, a general journal, general ledger, and worksheets. Later, students move on to using financial statements and ratio analysis to solve real business problems. They even use forensic accounting to uncover fraud and errors. *This course may only be offered every other year during the second semester.*

ACT Prep Mathematics (5753ss)

Grade Level: 11-12

Course Length: Fall Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

This course is intended for juniors who wish to prepare for the ACT Mathematics Test or seniors looking to improve their ACT Mathematics score. The course will review topics covered on the ACT Mathematics test and will also provide an opportunity for students to practice for the test.

Algebra I (5008ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Mathematics, Math Elective, General Elective

This course is [REQUIRED](#) for graduation. In Algebra I, the student will be actively involved in mathematical problem solving through the study of verbal, numeric, algebraic, and graphical relationships. Main topics include: quantities and relationships, patterns, writing and solving linear equations and inequalities, writing and using exponential functions, and modeling with and solving quadratic functions. Much of the time in this class will be spent working in small groups.

Algebra II (5015sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Geometry](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

[Transcripted credit](#) issued from Southwest Technical College

In Algebra II, topics of the first algebra course are reviewed and enlarged upon with later consideration being given to additional topics from algebra and analytic geometry. Specific attention is paid to the graphic consideration of lines, parabolas, exponential functions and logarithmic functions. Some other topics covered, which might be familiar to first year algebra students, are sets, factoring of polynomials, and arithmetic operations on fractions involving unknowns. Some possibly unfamiliar topics include relations and functions (constant, linear, quadratic, etc.), quadratic equations and inequalities, logarithmic and exponential functions, trigonometry and complex numbers. Much of the time in this class will be spent working in small groups. The successful completion of this course will also give the possibility of earning transcripted credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

AP Calculus AB (5025ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Calculus](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

AP Calculus AB is an advanced placement class that may allow for college credit or advanced standing when entering college. This course will allow you to challenge yourself to see what you are capable of achieving. Having experience with AP Calculus and exams can only enhance your chance of admission to a college. This will include intensive study to help students who are looking to major in the math, science, engineering, or business fields. A three-hour 15 minute exam will be given covering topics typically included in an introductory Calculus I college course. 105 minutes of multiple-choice questions and 90 minutes of free-response questions will be used. Both the multiple-choice and free-response sections contain parts where a graphing calculator is required and parts where calculator use is prohibited. Students will be expected to have a graphing calculator for use in this class. The TI-83 or TI-84 is recommended as this will be the type used for demonstration purposes in the class.

AP Calculus BC (5019ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [AP Calculus AB](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

AP Calculus BC is an advanced placement class that may allow for college credit or advanced standing when entering college. This course will allow you to challenge yourself to see what you are capable of achieving. Having experience with AP Calculus and exams can only enhance your chance of admission to a college. This will include intensive study to help students who are looking to major in the math, science, engineering, or business fields. A three-hour 15 minute exam will be given covering topics typically included in an introductory Calculus I college course. 105 minutes of multiple-choice questions and 90 minutes of free-response questions will be used. Both the multiple-choice and

free-response sections contain parts where a graphing calculator is required and parts where calculator use is prohibited. Students will be expected to have a graphing calculator for use in this class. The TI-83 or TI-84 is recommended as this will be the type used for demonstration purposes in the class.

AP Statistics (5022ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

[Transcribed credit](#) issued from Southwest Technical College

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement, or both for one semester introductory college statistics course. The College Board AP Statistics Test will be required to be taken by the student with the Prairie du Chien School District covering the cost of the test. Students will be expected to have a graphing calculator for use in this class. The TI-83 or TI-84 is recommended as this will be the type used for demonstration purposes in the class. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Applied Math (5036ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Senior/Junior who has completed [Geometry](#)

Fulfills Grad Requirement: Math Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

In Applied Mathematics students will compute with rational numbers. They make and convert various measurements. Students use formulas to solve problems. They compute dimensions of geometric shapes. Students use statistical tools to represent and analyze data. They analyze various financial situations. Students use basic right triangle trigonometry to solve problems. In each topic area, students solve application problems. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Building Trades (5512sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): C or better in [Construction Technology](#), or instructor approval

Fulfills Grad Requirement: Math Elective or General Elective

This course is taught in the Technology Education Department. This course is designed to give the student hands-on experience in the field of construction. Students will be expected to plan, lay-out, and construct small buildings such as garages and storage sheds along with general home maintenance and remodeling. Some work may be done off campus for the general public. This class will be limited to seven students: if more than seven sign up, past performance in technology education classes and career goals will determine who will be selected.

Calculus (5020sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Pre-Calculus](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

Calculus is designed for students interested in math, science, engineering or business careers. Students are introduced to the topics of derivatives and integrals. Students learn how to calculate them and their applications to real world problems. Students will be expected to have a graphing calculator for use in this class. The TI-83 or TI-84 is recommended as this will be the type used for demonstration purposes in the class.

College Mathematics (5040ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course is designed to review and develop fundamental concepts of mathematics in the areas of algebra, geometry, trigonometry, measurement and data. Algebra topics emphasize simplifying algebraic expressions, solving linear equations and inequalities with one variable, solving proportions and percent applications. Geometry and trigonometry topics include; finding areas and volumes of geometric figures, applying similar and congruent triangles, applying Pythagorean Theorem, and solving right triangles using trigonometric ratios. Measurement topics emphasize the application of measurement concepts and conversion techniques within and between U.S. customary and metric system to solve problems. Data topics emphasize data organization and summarization skills, including: frequency distributions, central tendency, relative position and measures of dispersion. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators. *This class would provide good math skills review prior to attending a 2- or 4-year university.*

Construction Technology (5507ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

This course is taught in the Technology Education Department. This course will utilize a simple floor plan to build a full sized replica in the shop. Students will learn about construction concepts, site layout, foundation systems, floor systems, wall systems, roof systems, installing doors and windows, drywall finishing, residential wiring, stair framing, insulation, vapor barriers and roof coverings. We will practice and use all the tools and building techniques of the modern residential carpenter. Students will work in groups up to 4 to construct the replica structures. Class size is limited to 12 students per semester. This course is a prerequisite for Building Trades, passing Construction Technology with a C or higher or get the instructor's approval.

Foundations of Algebra (5037ys)

Grade Level: 9

Course Length: Year

Credits: 1.00

Prerequisite(s): Administration/Teacher Recommendation

Fulfills Grad Requirement: Math Elective or General Elective

Students will be involved in mathematical problem-solving through the study of algebraic thinking. The main topics will include: the real number system, operations with rational numbers, algebraic expressions and equations, properties of exponents, solving equations and inequalities, and functions and linear relationships. This course is designed to review concepts from middle school math to better prepare students for Algebra I.

Geometry (5028ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Algebra I](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

This course is [REQUIRED](#) for graduation. In Geometry, the student will be actively involved in mathematical problem solving through the study of shapes and patterns. Students will focus on the topics of polygons, perimeter, area, volume, surface area, angles, triangles, parallel and perpendicular lines, transformations, similarity, congruence, quadrilaterals, circles, and trigonometry. Much of the time in this class will be spent working in small groups.

Math with Business Applications (5041ss)

Grade Level: 12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course covers real numbers, basic operations, linear equations, proportions with one variable, percents, simple interest, compound interest, annuity, applies math concepts to the purchasing/buying process, applies math concepts to the selling process, and basic statistics with business/consumer application.

Personal Finance I (5626ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

[Transcripted credit](#) issued from Southwest Technical College

This course is taught in the Business Education Department. This course is a term course designed to prepare students to become/live financially independent. Consumer math problems will be used while providing students

with information regarding financial planning, budgets, checking accounts and banking, credit, insurance, investments, and income taxes. This course is also designed to provide students with an understanding of basic personal business forms and records. EXCEL worksheets will be used to incorporate technology and the Occupational Outlook Handbook is one of many internet resources used. Preference is made to allow juniors and seniors to take this course as they have more personal financial experiences to draw from; however, it is possible for freshmen and sophomores to take this as well.

The **Virtual Business - Personal Finance** sim develops key personal financial skills in an online, simulated world. Students direct their simulated character through finding an apartment, job hunting, getting a bank account, budgeting, using credit, investing, paying taxes, and more. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Personal Finance II (5627ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): [Personal Finance I](#)

Fulfills Grad Requirement: Math Elective or General Elective

This course is taught in the Business Education Department. Are you interested in money? Do you wish you had more? Are you ambitious enough to research HOW you can have more? Are you confident enough to know that YOU control your own destiny? Do you enjoy reading, investigating, and calculating ways to come up with solutions? If so, continue reading . . .

It is assumed you have taken Personal Finance BEFORE taking this class. We will continue to work on Business Math problems and situations. A working knowledge of EXCEL is expected. We will explore the plans & theories of many personal finance experts that are in the media today and apply and contrast their suggestions to real life situations.

Dave Ramsey's Financial Peace University – High School curriculum will be the basis for this course. We will calculate the cost of various purchasing options in regard to vehicles, homes, insurance, and retirement investments. We will look at the various taxes that are a part of an adult's life & discuss changes that directly affect us. This can be a fun and rewarding journey toward becoming MONEY SMART!

Prairie Woods Production (5518sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): C or better in [Woods I](#) and/or a student application process

Fulfills Grad Requirement: Math Elective or General Elective

This course will cover all aspects of how a business functions on a day to day basis. We will actually create a small business from scratch over the course of the semester. Areas we will cover include design, marketing, engineering, production, quality control, sales, and finance management.

Pre-Calculus (5018sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Algebra II](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Pre-Calculus is designed to prepare students for higher level mathematics. The main areas of study are advanced techniques for algebra and trigonometry. This course is designed for students interested in math, science, engineering, technology, or business careers. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Statistics (5017ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): [Algebra I and Geometry](#)

Fulfills Grad Requirement: Mathematics, Math Elective, or General Elective

Statistics applies to students going into business and social science fields as well as the math and science fields. The Advanced Placement Statistics course is divided into four main topics. In this course, we will look at the first two of these topics; "Exploring Data" and "Sampling and Experimentation". Students will learn how to describe patterns in data and departures from the pattern. Students will also learn how to plan and conduct a study.

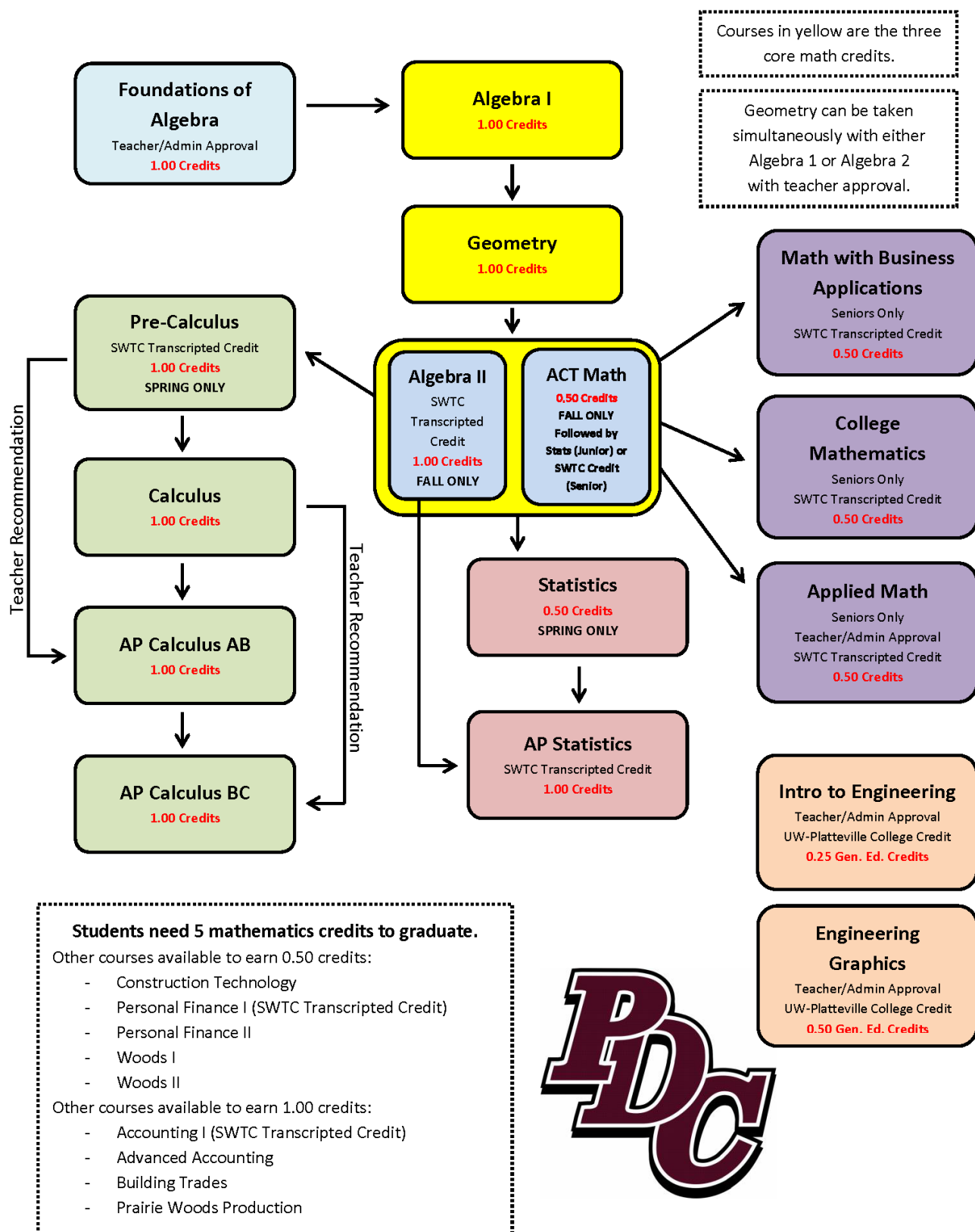
Woods I (5502ss)*Grade Level: 9-12**Course Length: Semester Skinny**Credits: 0.50**Fulfills Grad Requirement: Math Elective or General Elective*

This course is taught in the Technology Education Department. This course is designed to acquaint the students with tools and machinery as well as various wood joints utilized in the wood working industry. The primary emphasis of instruction is based upon the development of skills in using hand tools and power wood working equipment. Students will be required to make projects selected by the instructor. Students will be evaluated on written work assigned, lab participation, and lab performance throughout the semester. A lab fee will be assessed for materials used.

Woods II (5501ss)*Grade Level: 10-12**Course Length: Semester Skinny**Credits: 0.50**Prerequisite(s): C or better in [Woods I](#), or instructor approval**Fulfills Grad Requirement: Math Elective or General Elective*

This course is taught in the Technology Education Department. This course is designed to acquaint the students with tools and machinery as well as various wood joints utilized in the wood working industry. The primary emphasis of instruction is based upon the development of skills in using hand tools and power wood working equipment. Students will be required to make projects selected by the instructor. Students will be evaluated on written work assigned, lab participation, and lab performance throughout the semester. A lab fee will be assessed for materials used. Students must pass with a C or better semester grade, demonstrate the ability to work safely, responsibly and independently or have instructor approval to be admitted into Woods II.

High School Mathematics Courses Flowchart



MUSIC

AP Music Theory (5256ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Offered alternate years

Fulfills Grad Requirement: General Elective

Advanced Placement Music Theory is an advanced music course. Students will study the mechanics of music with special emphasis on the foundations of music, music analysis, sight singing and dictation. Students will use available technology to enhance musical knowledge. This course is highly recommended as a college preparatory course for students interested in studying music after graduation and for the student that seeks to enhance their overall understanding of music.

Band (5251ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Prerequisite(s): Previous experience in band or Instructor Approval

Fulfills Grad Requirement: General Elective

Band is the major performing organization within the instrumental music program. The band performs at concerts, festivals, halftime shows, and parades. Band members are required to participate in all performances and the assigned number of lessons throughout the year. Band members also have the opportunity to participate in Pep Band, Solo & Ensemble Festival, as well as other ensembles that arise from being a member of the band. Students planning on taking band should participate in summer band.

Concert Choir (5261ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: General Elective

Concert Choir is a major performing organization. Concert Choir is the core ensemble of the Vocal Music Department and members have an opportunity to build on their talents by being a part of Chamber Choir, Vocal Jazz Ensemble, District and State Solo & Ensemble Contests, the all-school musical, and the all school Variety Show. Concepts in ear training and the development of the voice in the choral style are stressed with independent music skills being the goal. Elements of musical style and historical perspectives are also introduced. This group is active in several large group performances and students are to attend the expected number of lessons. Concert Choir and all of the related musical activities are provided so students may enjoy a well-rounded vocal musical experience.

Guitar I – Beginning Guitar (5268ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Offered alternate years

Guitar I is a semester-long introductory guitar course open to all students, regardless of musical background. Learning to play a guitar can foster a lifelong love of music. The guitar can serve many roles in music, including soloing, accompaniment, and as a melodic instrument. Students will explore basic and advanced strumming patterns, melodies in first position, improvisation, open position and Barre chords, and 12 bar blues. The goal of this course is to introduce students to the beginning skills necessary to further their future enjoyment of this popular instrument.

PHYSICAL EDUCATION/HEALTH

Athletic Training and Management (5306ys)

Grade Level: 10-12

Course Length: Semester

Credits: 0.5

Fulfills Grad Requirement: Physical Education or General Elective

Students will learn about the body, how to train it and improve overall health in the areas of cardiovascular fitness, flexibility, muscular strength, speed and endurance through workout and activities. Students will also learn about team work, goal setting and facts of the performance body. Through this course students will be developing the mobility and stability to perform for the current season and beyond. Students will be challenged to bring their intensity and focus to a new level.

Core Performance (5305ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Physical Education or General Elective

Core Performance is an advanced course for students who want to challenge and improve their current level of athletic fitness. The class will have high intensity to advance athletic performances in the areas of Balance, Flexibility, Coordination, Speed, Strength/Power, Agility and Quickness. Through this course students will be developing the mobility and stability to perform for the current season and beyond. Students will be challenged to bring their intensity and focus to a new level.

Health (5350ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Health

This course is [REQUIRED](#) for graduation. The purpose of this course is to develop more through awareness and understanding of the major dimensions of health. Curriculum areas include: personal wellness, nutrition and fitness, mental and emotional health, disease and disorders, alcohol, tobacco and other drugs, CPR, and First Aid.

Lifetime Sports (5315ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Physical Education or General Elective

Students will work on improving their overall physical conditioning through set workout routines along with introductory levels of activities to be physically active for a lifetime. Students will learn about the sciences of sports including anatomy, physics, and biomechanics as it applies to daily activity.

Principles of Coaching & Principles of Officiating (5311)

Grade Level: 11-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

This course is designed to develop an appreciation for and an increased understanding of sport in American society. The course will offer the student the chance to study the philosophy, psychology, motivation, and rewards of coaching. Any person who appreciates and/or is involved in athletics will enjoy this course. Opportunity to receive a National Certification in Coaching. Opportunity to receive a license as a WIAA official.

SCIENCE

Anatomy & Physiology (5132ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Science Elective or General Elective

Students examine basic concepts of human anatomy and physiology as they relate to health sciences. Students use a body systems approach to analyze the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. They apply basic concepts of whole body anatomy and physiology to make informed decisions as health care professionals and to communicate professionally with colleagues and patients.

Animal Science – Large (5555ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is taught in the Agriculture Department. This course will focus on the industry responsible for the efficient production of livestock animals (beef and dairy cattle, sheep, goats, swine, poultry and horses) Animal anatomy, conformation, selection, evaluation, systems, nutrition, feeds and feeding, basic husbandry, and product evaluation will be covered.

Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with raising livestock and to meet the requirements of a complete agricultural education program.

Animal Science – Small (5553ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

This course is taught in the Agriculture Department. Open to all students wishing to develop knowledge in handling small companion animals. This course involves learning animal anatomy, feeding and nutrition, reproduction, health, selection and behavior of small animals. Species covered include: dogs, cats, rabbits, gerbils, hamsters, guinea pigs, birds, and other creatures that are considered “pets.” Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with caring for small animals and to meet the requirements of a complete agricultural education program.

AP Biology (5109ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): “C” or better in [Biology I](#) and [Chemistry I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

If you enjoy nature and appreciate the magic and complexity of life, you will enjoy this course! This course is structured around biological themes related to: the chemistry of life, cell structure and energy, cell communication, heredity, gene expression, natural selection, and ecology. To go along with lectures, discussions, and chapter assignments, students complete laboratory procedures to strengthen their understanding of evolution, energetics, information storage and transmission, and the interactions of biological systems. Throughout the course, students gain experience in important science practices such as: concept evaluation, visual representation of data, questions and methods, representing and describing data, statistical tests and data analysis, and argumentation. Upon completion of this course, students will be prepared for the AP exam and for any entry-level Biology course in college.

AP Environmental Science (5102ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Biology I](#), [Chemistry I](#), [Algebra 1](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. Students should have successfully completed Biology I and Chemistry I prior to taking the course. The course is divided into nine units examining; ecosystems, biodiversity, populations, earth systems, land and water use, energy resources and consumption, atmospheric pollution, aquatic and terrestrial pollution, and global change.

Biology I (5110ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: Science, Science Elective, or General Elective

This course includes laboratory work, study of specimens, projects, and a thorough understanding of scientific inquiry. Course content encompasses interrelationships of living things, levels of biological organization, cellular biology, biochemistry, genetics, and ecology. Students should be prepared to conduct projects and write a formal lab report. Instruction centers around inquiry based learning. Learning activities include teacher-lead instruction, group work, project-based learning, and lab exercises. Real world application is a daily objective. This biology course is Next Generation Science Standard (NGSS) aligned to help high school students develop key concepts in; ecosystem interactions, structure and function of organisms, natural selection, adaptations, molecules to organisms, energy flow and transfer, inheritance of traits, and variation in traits. This structure will help students navigate and gain understanding of the key concepts in Life Sciences and apply the concepts to the world around them.

Biology II (5115ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Biology I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

This science course is open to students in grades 10-12. Biology II expands on science skills, scientific method, study and organizational skills and laboratory techniques will be emphasized. Areas of study include: scientific method, biochemistry, biotechnology, forensic science and anatomy & physiology; focusing on the integumentary, skeletal, muscular, circulatory, respiratory, digestive and nervous systems. This course is beneficial to all students and is especially beneficial to students planning to pursue AP science courses or college-level sciences.

Biomedical Innovations PLTW (5107sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Medical Interventions PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address emergency department design, public health concerns, biomedical engineering, clinical medicine and physiology, and forensic autopsy. The independent capstone project includes designing a biomedical innovation to improve the life of living organisms.

Chemistry I (5117ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Biology I](#), Algebra I

Fulfills Grad Requirement: Chemistry I

This course is [REQUIRED](#) for graduation. This course will introduce the students to the concepts of matter, chemical symbols, chemical formulas, the names of chemicals, conservation of matter and energy, scientific measurement, basic atomic structure, the mole concept, percent composition, chemical reactions, stoichiometry, and solutions.

Chemistry II (5119ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Chemistry I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

This course reviews many of the concepts discussed in Chemistry I, but much more in depth. It also introduces new concepts associated with atomic structure, chemical periodicity, the behavior of gases, ionic and covalent bonding, water and aqueous systems, reaction rates, equilibrium, thermo chemistry, molecular geometry and intermolecular forces, acid base reactions, electrochemistry, organic chemistry, and redox equations.

Food Science (5207ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

This course is taught in the Family and Consumer Science Department. Food Science is the study of the nature of food from the soil or feed lot to the table. Food Science is interdisciplinary involving concepts from biology, physiology, chemistry, nutrition, health, and food preparation.

Food Science is a hands-on course. Experimentation and food prep will clarify the concepts covered. The main topics covered include food safety, scientific evaluation, basic food chemistry, sensory perception and essential nutrients.

We will also cover food related careers, processing, preservation, additives, packaging and development as time permits. This course will assist students in making science relevant to the “real world”.

Forestry, Wildlife & Conservation Management (5552sb)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Foundations of Agriculture

Fulfills Grad Requirement: Science Elective or General Elective

This course is taught in the Agriculture Department. Students will apply knowledge of biology and natural resources to problem solve ethical questions of management. Conservation practices in the forests, soils, wildlife, and fisheries are all important, as is the economic sustainability of our state. We will utilize current topics that are posing challenges to our local community and state to research and promote answers and actions. Further, we will explore the concept of Nature Deficit Disorder and what it means to be a steward of the land. Learning activities include reading, completing multiple projects, in-class discussions, in-class activities, and presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with forestry, wildlife, soils and land stewardship, and to meet the requirements of a complete agricultural education program.

Foundations of Agriscience (5557ss)

Grade Level: 9-10

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

This course is an introductory course designed to expose students to different facets of FFA and the agriculture industry. Students will gain basic knowledge in animal science, plant science, food science, natural resources, leather craftsmanship, leadership skills, public speaking, and FFA opportunities. Instruction and student learning will occur through lectures, student projects, group discussions, hands on experiences, FFA experiences, Career Development Event participation, and their Supervised Agricultural Experience program.

Foundations of Science (5110FA/FB)

Grade Level: 9

Course Length: Year

Credits: 1.00

Prerequisite(s): Administration/Teacher Recommendation

Fulfills Grad Requirement: Science Elective or General Elective

This course is designed to build upon fundamental science skills including the scientific method and laboratory techniques. Students will explore the fundamental concepts of living and earth sciences. This course will prepare students for Biology I.

Greenhouse Production Management (5573sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Plant Science](#)

Fulfills Grad Requirement: Science Elective or General Elective

Greenhouse Production Management is a course exposing students to greenhouse crop production, floral design and plant care and management. This course will offer an in-depth study of plant crops, the floral industry, hydroponic crops, and greenhouse maintenance and management. Learning activities include reading from the text, completing worksheets, in-class discussions, in-class activities / projects, and video presentations. At the end of the semester, there will be a final assessment. Lab Activities, Supervised Agricultural Experience (SAE) and the student organization FFA will be incorporated as opportunities to learn skills associated with managing a greenhouse and to meet the requirements of a complete agricultural education program.

Human Body Systems PLTW (5104sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Principles of Biomedical Science PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries.

Medical Interventions PLTW (5106sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Human Body Systems PLTW](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Physics (5136ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Prerequisite(s): [Algebra II](#) and [Chemistry I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

[Transcribed credit](#) issued from Southwest Technical College

Students will investigate the laws of nature governing objects, their interactions, and energy. Both the scientific concepts and mathematical solutions will be covered. The general topics studied are motion, forces, momentum, energy, work, power, fluids, thermodynamics, and waves. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply to other colleges and technical schools at their discretion.

Plant Science (5560ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Science Elective or General Elective

[Transcribed credit](#) issued from Southwest Technical College

This course is taught in the Agriculture Department. Open to all students this course will make use of the greenhouse and cover such areas as plant growth, research of plants, weed and plant identification, soil types, and plant yields. Lab projects and experiments will give students hands-on approach to plant care and management. Hydroponics will also be covered. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

Pre-AP Biology (5108)

Grade Level: 9

Course Length: Year

Credits: 1.00

Prerequisite(s): Honors Student Requirements

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students complete four units covering ecological systems, evolution, cellular systems, and genetics. To learn biological content, students will complete individual and group projects, perform laboratory experiments, read scientific reports, and evaluate documentaries. Some capstone laboratory experiments are assessing hatching viability of brine shrimp, raising fruit flies for selective breeding to create desired characteristics in the next generation, and assessing photosynthesis with sodium alginate spheres. The Pre-AP Biology curriculum is based on the science content and skills identified by the AP Board. The three major areas of focus in the curriculum are: emphasis on analytical reading and writing, strategic use of mathematics, and attention to modeling. Upon completion of this course students will be prepared to take AP Biology or AP Environmental Science.

Principles of Biomedical Science PLTW (5103sb)

Grade Level: 10-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): [Biology I](#)

Fulfills Grad Requirement: Science, Science Elective, or General Elective

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. While Chemistry is not a prerequisite for this course, it is strongly encouraged for any students that are not highly self-motivated in science.

SOCIAL STUDIES

AP Human Geography (5156ys)

Grade Level: 9-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: AP Human Geography or World History

AP Human Geography or World History must be scheduled **freshman year** to meet graduation requirements.

The objectives of Advanced Placement Human Geography are to introduce students to the systematic study of patterns and processes that have shaped human understanding, the use, and alteration of Earth's surface. Students also will employ spatial concepts and landscape analysis to examine human social organizations and its environmental consequences. They will also learn about the methods and tools geographers use in their science and practice. Students will also be able to: Use and reason about maps and spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization process, and characterize and analyze changing interconnections among places. Course topics include: Introduction to Human Geography, Population, Migration, Local and Popular Culture, Cultural Landscapes, Identity: Race, Ethnicity, Gender and Sexuality, Language, Religion, Political, Physical, and Urban Geography, Development, Agriculture, Industry and Services, The Humanized Environment, and Globalization and the Geography of Networks.

AP Psychology (5195ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: General Elective

The purpose of the Advanced Placement Course in Psychology is to introduce students to the systematic and scientific study of human behavior and mental processes. Students are exposed to psychological principles, theories and phenomena associated with the major fields of psychology. Students are also expected to learn about the many applications, methods and ethics involved in the practice of psychology. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

AP US Government & Politics (5192ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: AP US Government & Politics or US Government

AP US Government & Politics or US Government must be scheduled **senior year** to meet graduation requirements.

Advanced Placement (AP) United States Government and Politics will be a yearlong skinny, college level course offered to students WHO WISH TO BE ACADEMICALLY CHALLENGED. Students must have the academic initiative to progress through some material with the instructor acting as facilitator - the course is designed to be more student-centered and somewhat more self-paced. Students will take the AP College Board test in the spring, and their scores on that test will determine eligibility for college credit. Significant online course work will be required for this class. The course is designed to be the equivalent of a 100 level survey of American national government at the college level. In addition the following topics will be emphasized:

- Political opinions, interests, and behaviors
- Political organizations to include political parties, interest groups and mass media
- The institution of government and its role in making and enforcing public policy
- Civil liberties and civil rights
- The examination of primary source material and contemporary news analysis
- The role of state government

AP US History (5190ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: AP US History or US History

AP US History or US History must be scheduled **junior year** to meet graduation requirements.

AP United States History is a survey course in American History covering material from 1500 to present day. The main themes of the course are the economic, social, and political developments in U.S. History. The pace and focus of the course are established based on the guidelines of the College Board. The course culminates in a comprehensive national exam. The results of this exam determine the students' eligibility for college credit. Students are required to complete a significant amount of independent reading and writing. Course Objectives: To provide students with the

analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History, to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full year introductory college course, to improve students' ability to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in both written and oral formats.

AP World History: Modern (5151ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: World History for AP World History

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Civics (5154Ass)

Grade Level: 9

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: AP Human Geography, Civics & World Geography

*Civics and World Geography or AP Human Geography must be scheduled **freshman year** to meet graduation requirements.*

This semester course will increase student knowledge of sources and structures of power, authority, and governance and their changing functions in today's society in order to help students develop social responsibility. Students will comprehensively study the political, social, economic, and intellectual developments and processes of the United States political system at the local, state, and federal levels. As a result of this course, students will be prepared to become more actively engaged citizens and problem solvers.

Students in this course will have the opportunity to analyze democratic principles and ideals; interpret rights, privileges, and responsibilities in society; evaluate powers and purposes of political and civic institutions, and develop and employ skills for civic literacy.

Holocaust Studies (5183ss)

Grade Level: 11-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

The upperclassmen course will consider the reality and implications of the Nazi campaign to destroy European Jews from 1933 to 1945. The primary content emphasis for this course pertains to the examination of the events of the Holocaust, the systematic, planned annihilation of European Jews and other groups by Nazi Germany. The course will focus on student study and analysis of primary and secondary documents, artifacts, and artwork to make conclusions on this time in history. When able, students will have the opportunity to attend a lecture with a Holocaust survivor. Content will include, but is not limited to, the examination of twentieth century programs and of twentieth century and twenty-first century genocides, investigation of human behavior during this period, and an understanding of the ramifications of prejudice, racism, and stereotyping.

Human Psychology (5180ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

Human Psychology is a Social Studies elective. It is intended to provide an overview of the interesting theories, persons, and applications of the field of psychology. We strive in the course to develop a psychological perspective by which to consider daily events.

Sociology (5185ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

[Transcribed credit](#) issued from Southwest Technical College

Sociology is the scientific study of human social relationships. It shares its concern regarding social behavior with a number of other disciplines including anthropology, history, psychology, economics, political science, and social work. Students will develop a sociological imagination allowing them to consider other ways of life unlike their own. The successful completion of this course will also give transcribed credit to all technical colleges in Wisconsin. This may apply at other colleges and technical schools at their discretion.

US Government (5175ys)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: AP US Government & Politics or US Government

Transcribed credit issued from Southwest Technical College

AP US Government & Politics or US Government must be scheduled **senior year** to meet graduation requirements.

This is a year-long course equivalent of a 100-level college course in which students will receive 3 credits of Introduction to American Government through Southwest Tech. The course is academically rigorous and is designed for students who want a challenge. Students will be expected to perform at a college level. The course covers a variety of topics, including English history relevant to the founding of America, political philosophy of the Enlightenment, taxes in early America, the Constitutional Convention, the Bill of Rights, the three branches of government, federalism, political parties, the court system, landmark Supreme Court cases, case studies exploring rights relating to the Bill of Rights, civil liberties, civil rights, public opinion polling, elections, and more.

US History (5158ys)

Grade Level: 11-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: AP US History or US History

AP US History or US History must be scheduled **junior year** to meet graduation requirements.

This course provides a one-year survey of American history from the Colonial Period and the American Revolution to the present day. Students will be offered a comprehensive view the United States involvement in foreign and domestic issues throughout its existence. Using the textbook and primary documents and current events, students learn about the various political, social, religious, and economic developments that have shaped and continue to shape the United States. Essay writing and critical thinking are emphasized as integral ways of understanding how the past relates to the present and future.

World Geography (5154Bss)

Grade Level: 9

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: AP Human Geography, Civics & World Geography

Civics and World Geography or AP Human Geography must be scheduled **freshman year** to meet graduation requirements.

The semester course will prepare students to gain geographical perspectives of the world by studying both physical geography and the interactions of people with the places they live. Knowledge gained will help students to better understand the various cultural, economic, social and civic implications of life in earth's many environments. This course will provide opportunities for students to learn and practice geographic tools and multiple approaches to analysis of the world. Students will develop skills allowing them to properly analyze, interpret, and utilize maps and technologies across various world formats regions in order to evaluate relationships between global interactions and relationships, identity and place, and humans of the environment.

World History (5150)

Grade Level: 10-12

Course Length: Year

Credits: 1.00

Fulfills Grad Requirement: World History for AP World History

AP Human Geography or World History must be scheduled **sophomore year** to meet graduation requirements.

World History (General) is an in-depth study of our global community's past, emphasizing the people and events that changed past societies, and how these changes affect our modern society. The course is separated into lessons comprising the following topic areas: Early civilizations such as Ancient Greece and Rome, the rise of Christianity and civilizations of the Americas, societies of the Middle Ages such as the Byzantine Empire, Russia and Eastern Europe, the Renaissance and Reformation, the start of the Global Age in Europe, Africa, Asia, and the Americas, the Age of Absolutism, the regional civilizations of Islam, Africa, and the spread of civilization in East and Southeast Asia. Other topic areas include the French Revolution and Napoleon, the beginning of the Industrial Revolution and the Revolutions of Europe and Latin America, Nationalism in Europe, the growth of Western Democracies, and New

Imperialism. The course continues with World War I and the Russian Revolution, the rise of totalitarianism, World War II and its aftermath, the world since 1945 including the Cold War, the emergence of new nations, regional conflicts, the developing world and the world today.

TECHNOLOGY EDUCATION

Building Trades (5512sb)

Grade Level: 11-12

Course Length: Semester Block

Credits: 1.00

Prerequisite(s): C or better in [Construction Technology](#), or instructor approval

Fulfills Grad Requirement: Math Elective or General Elective

This course is designed to give the student hands-on experience in the field of construction. Students will be expected to plan, lay-out, and construct small buildings such as garages and storage sheds along with general home maintenance and remodeling. Some work may be done off campus for the general public. This class will be limited to seven students: if more than seven sign up, past performance in technology education classes and career goals will determine who will be selected.

Construction Technology (5507ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

This course will utilize a simple floor plan to build a full sized replica in the shop. Students will learn about construction concepts, site layout, foundation systems, floor systems, wall systems, roof systems, installing doors and windows, drywall finishing, residential wiring, stair framing, insulation, vapor barriers and roof coverings. We will practice and use all the tools and building techniques of the modern residential carpenter. Students will work in groups up to 4 to construct the replica structures. Class size is limited to 12 students per semester. This course is a prerequisite for Building Trades, passing Construction Technology with a C or higher or get the instructor's approval.

Intro To Robotics (5524ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): Intro to Mechatronics or Instructor Approval

Fulfills Grad Requirements: General Elective

This course is designed to control systems of mechatronics technology used in Industry 4.0. Lessons include: manufacturing metrics, power efficiency, fluid force and frictions, basic material handling, PLC project development, PLC motor control, CNC machining, PLC event sequencing, etc.

Intro to Mechatronics (5523ss)

Grade Level: 9-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

This course is designed to introduce the basic tools and processes of mechatronics technology used in Industry 4.0. Lessons include: machine safety, dimensional measurement, mechanical power, basic electrical circuits, electrical controls diagrams, basic robot programming, etc.

Intro to Programming Logic Controls (PLCs) (5525)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

This course would provide a foundational understanding of Programmable Logic Controllers (PLCs) within the context of modern industrial automation, specifically focusing on how PLCs are integrated into smart manufacturing environments utilizing technologies associated with Industry 4.0, big data analysis, and cyber-physical systems, enabling students to program basic PLC applications for real-world industrial scenarios while gaining insight into the broader Industry 4.0 landscape.

Internet of Things (5526)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Fulfills Grad Requirement: General Elective

This course provides a greater familiarity with the Industry 4.0 movement, which is shifting towards increasing the digital transformation efforts of conventional industrial and manufacturing processes.

This course covers the basic concepts of the internet of things and how these concepts, underlying technologies have evolved, and how they are currently being applied to industrial applications. Participants will review actual Industrial Internet of Things (IIoT) projects in greater depth and examine these projects' technical and business aspects, giving registrants deeper insights into IIoT applications.

Mechanics/Transportation (5571ss)

Grade level: 10-12 (must have a driver's license) Course Length: Semester Skinny Credits: 0.50

Fulfills Grad Requirement: General Elective

Mechanics/Transportation introduces students to the area of automotive mechanics and small engine repair. Students will learn about the principles of the operation of an internal combustion engine and how it transfers the energy to rotational motion to perform a desired task. Students will learn about the different systems that operate a vehicle and have the opportunity to perform labs of basic maintenance of their own vehicles including oil changes and tire rotations. The class is centered around engine operation, engine maintenance/repair, and a career as an automotive technician.

*Class requires students to have a driver's license so they can drive their vehicles into the shop to perform labs.

*Class size is limited to 15 students because of shop space, with juniors and seniors having preference.

Prairie Woods Production (5518sb)

Grade Level: 11-12 Course Length: Semester Block Credits: 1.00

Prerequisite(s): C or better in [Woods I](#) and/or a student application process

Fulfills Grad Requirement: Math Elective or General Elective

This course will cover all aspects of how a business functions on a day to day basis. We will actually create a small business from scratch over the course of the semester. Areas we will cover include design, marketing, engineering, production, quality control, sales, and finance management.

Welding I (5521ss)

Grade Level: 9-12 Course Length: Semester Skinny Credits: 0.50

Fulfills Grad Requirement: General Elective

This course will introduce the welding processes of oxygen/acetylene welding, cutting, brazing, GMAW, SMAW and plasma cutting. The curriculum will be focused on welding shop safety, learning the principles of the aforementioned processes, identifying the characteristics of a strong bead, machine set up, and performing simple weld joints on coupons (scrap metal). Students will be evaluated on written work assigned, lab participation, and lab performance throughout the semester. Emphasis will be based on safety and the basic principles of welding and cutting processes. Students must pass with a C or better semester grade, demonstrate the ability to work safely, responsibly and independently or have instructor approval to be admitted into Welding II.

Welding II (5522ss)

Grade Level: 10-12 Course Length: Semester Skinny Credits: 0.50

Prerequisite(s): C or better in [Welding I](#), or instructor approval

Fulfills Grad Requirement: General Elective

This course will review the content of Welding I, but the focus will be on more complex joinery, reading welding plans and blueprints, and completion small metal projects. Students will be evaluated on written work assigned, lab participation, and lab performance throughout the semester. Emphasis will be based on safety, joinery, and welding as practiced in industry and construction.

Woods I (5502ss)

Grade Level: 9-12 Course Length: Semester Skinny Credits: 0.50

Fulfills Grad Requirement: Math Elective or General Elective

This course is designed to acquaint the students with tools and machinery as well as various wood joints utilized in the wood working industry. The primary emphasis of instruction is based upon the development of skills in using hand tools and power wood working equipment. Students will be required to make projects selected by the instructor. Students will be evaluated on written work assigned, lab participation, and lab performance throughout

the semester. A lab fee will be assessed for materials used. Students must pass with a C or better semester grade, demonstrate the ability to work safely, responsibly and independently or have instructor approval to be admitted into Woods II.

Woods II (5501ss)

Grade Level: 10-12

Course Length: Semester Skinny

Credits: 0.50

Prerequisite(s): C or better in [Woods I](#), or instructor approval

Fulfills Grad Requirement: Math Elective or General Elective

This course is designed to allow students to apply the knowledge and skills gained from taking Woods I. Students will use class time to design and work on independent projects of their choosing. Students may choose to make one large project or several small projects. Students will be evaluated on written work assigned, lab participation, and lab performance throughout the semester. A lab fee will be assessed for materials used. The amount is dependent on the amount of materials used.