2025-2026

Course Catalog

Career & Technical Education

Cambridge Academy

Pathways to Success

Table of Contents

Lee Williams High School . . . 3
- Customize Your High School Experience . . . 4
- Lee Williams High School Cambridge Academy . . . 5
- Career and Technical Education . . . 6
- Senior Honors . . . 8
- Fee Schedule . . . 8
- AICE and Grand Canyon Diploma . . . 9
- Annual Public Notification of Nondiscrimination . . . 9
- Get Involved and Stay in School! . . . 10
- Contact Information . . . 10

High School Pathways . . . 12
- Digital Communication . . . 12
- Education Professions . . . 15
- Automotive Services Pathway . . . 18
- Business Management Pathway . . . 21
- Fire Service Pathway . . . 24
- Graphic Design Pathway . . . 27
- Law And Public Safety Pathway . . . 30
- Nursing Services Pathway . . . 33
- Sports Medicine And Rehabilitation Services Pathway . . . 36
- Stagecraft Pathway . . . 39
- Cambridge Academy . . . 42

Courses . . . 46
- **Core Subjects** . . . 46
  - English . . . 46
  - Math . . . 48
  - Science . . . 51
  - Social Studies . . . 53
- **CTE** . . . 55
  - Digital Communication . . . 55
  - Education Professions . . . 55
  - Automotive Services Pathway . . . 56
  - Business Management Pathway . . . 56
  - Fine And Performing Arts Pathway . . . 57
  - Fire Service Pathway . . . 58
  - Graphic Design Pathway . . . 59
  - Law And Public Safety Pathway . . . 59
  - Nursing Services Pathway . . . 60
  - Sports Medicine And Rehabilitation Services Pathway . . . 61
  - Stagecraft Pathway . . . 62
- **Electives** . . . 62
  - Foreign Language . . . 62
  - Guidance . . . 63
  - Physical Education . . . 64
  - Other Electives . . . 64

Lee Williams High School

Welcome as we prepare for the upcoming academic year! As we embark on this journey together, we are thrilled to introduce the diverse and enriching high school pathways available at our school. Our commitment to providing a well-rounded education is reflected in the array of opportunities designed to cater to every student's interests and aspirations.

Cambridge Pathways:

At Lee Williams High School, we take pride in offering the esteemed Cambridge Pathways, an internationally recognized program that fosters academic excellence and prepares students for success in higher education. Students in the Cambridge Pathways will engage in a rigorous curriculum that emphasizes critical thinking, problem solving, and a global perspective. This Cambridge experience supports students in their CTE Pathways as well as being ready for the real world. The Cambridge program opens doors to prestigious universities worldwide and ensures that our graduates are well-equipped for the challenges of a rapidly changing global landscape.

Career and Technical Education (CTE) Pathways:

In addition to academic excellence, we are equally committed to providing practical and hands-on experiences through our Career and Technical Education (CTE) Pathways. These pathways allow students to explore various career options, develop valuable skills, and gain real-world experience in fields such as technology, healthcare, business, and more. Our CTE programs are designed to prepare students for both college and careers, ensuring they have a competitive edge in the job market.

Whether your child is aspiring to pursue higher education through the Cambridge Pathways or seeking a career-focused approach through CTE, we believe in nurturing individual talents and helping each student discover their unique path to success.

Our dedicated faculty and comprehensive support services are here to guide and support students throughout their high school journey. We encourage you to explore the course catalog to learn more about the specific courses, opportunities, and resources available in each pathway.

As partners in your child's education, we look forward to working together to cultivate a love for learning, personal growth, and success in their chosen pathways.

Here's to a fantastic academic year filled with exploration, growth, and achievement!

Customize Your High School Experience

Cross Campus Courses

This KUSD High School Experience is for students interested in taking a class that is offered at another high school campus. Students may only apply for classes that are not available on their home campus. Students are responsible for their own transportation and must get both school and parent permissions. School administration and counselors will review the application, and determine acceptance based upon the following data:

- Available seats in the class
- Student Transcripts
- Student Discipline Record
- Recommendation from administration/counselor at home school

Cross Campus Course Application

Flex Academy

This KUSD High School Experience is for students interested in taking classes online in an on-campus Learning Lab or off-campus. All online courses are offered through the Edgenuity platform with academic guidance from a KUSD teacher. All Flex Academy students are assigned a mentor to answer questions, provide encouragement, and keep you on track. Requirements for Flex Academy are:

- Technology: Off-campus learners must supply their own device and internet access.
- Transportation: Buses only run before and after school. Midday transportation must be arranged by students and/or families.
- Attendance & Progress: Stay on track with all classes and attendance in order to remain eligible.
- Assessments: All assessments must be taken on campus.

Flex Academy Application

High School Opportunity Pathway (HOP)

This KUSD High School Experience is for students interested in taking 1-3 classes at Mohave College as part of their high school schedule. Students applying for HOP courses must have declared a college or career pathway and meet the following criteria:

- Be on track for graduation with School Counselor approval
- Declare a college or career pathway
- Attendance record is at least 90% present during the school year prior to application year
- KUSD GPA is 2.5 or higher
- Course(s) requested are not offered within Kingman Unified School District
- Proof of completed MCC application
- Provide transportation to and from the course

HOP Application

Summit Academy

This KUSD High School Experience is for students interested in taking 4 classes at Mohave College in addition to 1 high school course to fulfill their high school graduation requirements. Students will follow the Mohave College academic calendar and course schedule which may include evening courses. Students applying for Summit Academy must meet the following criteria:

- Commit to one of these specific pathways: nursing, sciences, biology, education
- Approval from High School Counselor and on track to graduate from high school
- Completed Mohave College application & enrollment
- ACCUPLACER Reading: 240 or higher
- ACCUPLACER Writing: 240 or higher
- ACCUPLACER Math: 237 or higher in Advanced Algebra Functions
- Attendance from the previous semester: 90% or higher
- GPA: 2.5 or higher
- Provide transportation to and from Mohave College

Summit Academy Application

Lee Williams High School Cambridge Academy

Cambridge Assessment International Education

Cambridge International School

Cambridge education strives to develop learners who are:

- **Confident** in working with information and ideas - their own and those of others.
- **Responsible** for themselves, responsive to and respectful of others.
- **Reflective** as learners, developing their ability to learn
- **Innovative** and equipped for new and future challenges.
- **Engaged** intellectually and socially, ready to make a difference.

Lee Williams High School is excited to offer the Cambridge Academy. In the new, constantly changing, global economy students will need the knowledge and skills that are necessary to navigate the complexities of college and career in today's global society. These include: an appreciation for cultural differences, an ability to understand multiple perspectives, comfort with change, and the capacity for highly critical and analytical thinking. KUSD Cambridge classrooms support students in their journey of achieving the skills necessary to be competitive in the global workforce. Innovative approaches to teaching and learning are hallmarks of the Cambridge Academies at KUSD.

For more information on Cambridge visit our website or the Cambridge International website.

Send all inquiries to cambridge@kusd.org

Career and Technical Education

Check out CTE pathways offered through WAVE.

A Career & Technical Education program can:

Expand Student Options

- Show how reading, math, and science are used in careers by relating academic subjects to the real world.
- Start college studies while in high school through dual enrollment with a community college .
- Add a new dimension to learning with “hands-on,” in addition to “eyes-on” activities–a more effective way of learning.

Enhance Success in School

- Career and Technical programs teach the Arizona Academic Standards needed to be successful on the state graduation exam while enhancing students’ enjoyment of school.
- Academic Standards may come easier when taught in a Career and Technical program

Provide College Prep and Career Prep

- Career and Technical education blends rigorous academic content with technical skills in a hands-on setting so students find greater meaning and greater success in their studies.
- Career and Technical programs meet the entrance requirements of four-year colleges and universities while including the skills employers are looking for.

Challenge Students to Think

- Career and Technical students are challenged to apply theoretical knowledge–learned in academic and technical classrooms– to practical problems in laboratories or at worksites.
- This is a basic lifetime skill.

Test Career Interests Before College

- Career and Technical education provides a career focus as insurance for success in post secondary education. Before students invest in college, they can test their interest in areas such as health care, culinary arts, information technology, technical drawing, hospitality, teaching, child care, agriculture, or business–just to mention a few.

Help Pay for College

- Technical skills that focus on a specific career area help students get better, higher-paying jobs to meet the cost of college education.

Broaden Lifelong Work and Education Options

- Career and Technical programs prepare students for well-paying satisfying careers even in non-traditional fields.

Acquire Life Skills That Apply to Any Career

- Personal skills–such as self-confidence, self-awareness, good work habits, practical problem solving, punctuality, reliability, and teamwork–are essential in any career.
- Career and Technical programs instill the desire to learn because every student feels a sense of accomplishment.

Arizona secondary vocational programs were developed by the Arizona Department of Education (ADE), Career and Technical Education (CTE) for secondary schools. Lee Williams High School offers the following Career and Technical Education Programs through WAVE CTED and our on site CTE class offerings:

- Automotive Services · Business Management and Administrative Services
- Certified Production Technician (CPT)
- CIS (Computer Information Systems)
- Graphic/Web Design
- Fire Science
- Health Information Technician
- Nursing Services
- Law and Public Safety
- Sports Medicine and Rehabilitation Services
- Stagecraft
- Visual Communications (Design)

What Are Career Pathways?

Career paths are clusters of occupations that are combined together because many of the people in them share similar interests, abilities, and talents.

Selecting a career path provides you with an area of

FOCUS along with **FLEXIBILITY** and a **VARIETY** of careers to pursue.
Although people change jobs many times, they seldom change from one pathway to another.

Explore the Six Career Pathways

Arts/Communications/Humanities

Occupations in this career pathway are related to the creative, visual, craft and performing arts. These include architecture, graphic, interior and fashion design, writing, film, fine arts, journalism, languages, media, advertising, public relations, and music.

Engineering/Industrial Systems

Occupations in this career pathway are related to the technology necessary to design, develop, install and maintain electrical, mechanical and structural systems. These include engineering, manufacturing, construction, and related technologies.

Social/Human Services

Occupations in this career pathway are related to hospitality, personal and customer services, social services, legal services, and protective services. These include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, social services and personal (beauty) services.

Business Systems

Occupations in this career pathway are related to business occupations, administration, management, marketing and sales. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.

Health Services

Occupations in this career pathway are related to the diagnosis and treatment of diseases, disorders and injuries, laboratory technology and therapy. These include medical practice, research, laboratory technology, physical, occupational and speech therapies, disease prevention, alternative medicine, and veterinary science.

Natural Resources

Occupations in this career pathway are related to the natural sciences, agriculture and the environment. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Senior Honors

Cambridge Stole: A Cambridge student must meet the following criteria in order to wear a Cambridge Stole at Commencement. Qualify for the Grand Canyon High School Diploma AND/OR

1. be a senior who completes a full Cambridge course (Ex. AS Econ, AS Global Perspectives, AS Literature, AS Language, AS or A Physics, AS Mathematics, AS General Paper)
2. have 3 or more years in Cambridge (with at least 6 Cambridge classes on transcript)
3. be in good academic standing (No Ds or Fs in Cambridge classes)
4. sit for at least one exam for three years

CTE Program Cords: To earn a CTE Program Cord, students must complete and pass the required number of courses/credits to be a program completer in each CTE program as determined by the Arizona Department of Education.

CTSO Cords/Stoles: Each Career and Technical Student Organization (CTSO) is responsible for outlining the requirements for CTSO cords and stoles within their CTSO bylaws. Each CTSO has different cord and stole requirements that may change annually as these are student led organizations. If a student has questions about CTSO cords, the student should talk to their CTSO advisor. CTSO Cords/Stoles will be awarded at an event planned by the CTSO.

TSA Cord: To earn a TSA Cord, students must be a program completer and successfully pass the Technical Skills Assessment within the prospective program.

WAVE Cord: To earn a WAVE Cord, students must complete a program with WAVE through their central programs or their MCC CTE programs.

Fee Schedule

Course Title	Fee Amount
A Physics 2A	$5
Adv. Drama Productions A	$15
Adv. Graphic Arts A	$5
Adv. P.E.	$5
Anatomy & Physiology A	$5
Art 2A	$15
Art Advanced	$15
AS Physics A	$5
AS/A Level Biology A	$5
Biology 1 A	$5
Chemistry A	$5
Cross Training	$5
Dance & Aerobics	$5
Drama 1A	$10
Earth Science A	$5
Graphic Arts A	$5
IGCSE Biology A	$5
IGCSE Chemistry A	$5

Course Title	Fee Amount
Studio Arts and Graphic Design 1	$15
PE/Health A	$5
Weight Training A	$5

***Fee list can change based on courses being offered each year.

AICE and Grand Canyon Diploma

The Lee Williams Cambridge students have the opportunity to earn various diplomas as described below.

AICE DIPLOMA (Advanced International Certificate of Education - Cambridge)

During the 11th and 12th grades, students may undertake AICE classes. The curriculum is designed to follow on from IGCSE, giving an integrated four-year curriculum. The AICE diploma itself is designed to be a two year program made up with AS/A level courses.

In order to achieve an AICE diploma, students must satisfy the following during 11th and 12th grades:

- Seven Cambridge credits to include one exam from each of the 3 subject groups and AS Global Perspectives
- Advanced subsidiary (AS) Level exams = 1 credit
- Advanced (A) Level exams = 2 credits
- Students who complete 7 ACIE credits can achieve the AICE Diploma

GRAND CANYON HIGH SCHOOL DIPLOMA

A student may qualify for a Grand Canyon Diploma by meeting the following requirements within the Cambridge Academy and passing IGCSE examinations at the levels prescribed the ADE.

- Two credits of English.
- Two credits of Mathematics
- Two credits of Science
- One Credit of American History
- One Credit of World History
- One Credit of Career and Technical Education (or Cambridge Fine Arts)
- One-half credit of Economics

Annual Public Notification of Nondiscrimination

Kingman Unified School District #20 (KUSD #20) does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. The KUSD #20 Career and Technical Education Department does not discriminate in enrollment or access to any of the programs available (Agriculture, Allied Health, Automotive, Business, Carpentry, CIS, Culinary, Engineering/Drafting, Early Childhood Education, Fire Science, Nursing, Law Enforcement, Photography, Tech Theater and Welding). The lack of English language skills shall not be a barrier to admission or participation in the district's activities and programs. KUSD #20 also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the compliance coordinators listed at bottom.

Notificación Pública Annual de No Discriminación (Spanish Version)

Kingman Unified School District #20 (KUSD #20) no discrimina raza, color, nacionalidad, género, edad, o incapacidad de admisión a sus programas, servicios, o actividades, en acceso a ellas, en el tratamiento a individuos, o en ningún

aspecto de sus operaciones. El departamento de Educatión Técnica y de Carreras de Kingman Unified School District #20 (KUSD #20) no discrimina en su matriculación o en el acceso a cualquier de sus programas disponibles (Agriculture, Allied Health, Automotive, Business, Carpentry, CIS, Culinary, Engineering/Drafting, Early Childhood Education, Fire Science, Nursing, Law Enforcement, Photography, Tech Theater and Welding). La falta de habilidades inglesas para idiomas de hablar no será una barrera a la admisión ni la participación en las actividades del distrito y programas. El Kingman Unified School District #20 (KUSD #20) tampoco discrimina en sus contratos o practicas de empleados.

Esta noticia es provista y requerida por el Título VI del Acto de Derechos Civiles de 1964, Sección 504 del Acto de Rehabilitación de 1973, Título IX de la Enmienda Eduacativa de 1972, en el Acto de Era de Descriminación de 1975, y el Acto de los Estadounidenses con Habilidades Diferenciadas de 1990. Preguntas, quejas, o para más información con respecto a estas leyes pueden remitir por al coordinador de compliance.

Title II/IX Compliance Coordinator
Mrs. Angela Moreschi Director of Human Resources
KUSD #20
3033 MacDonald Ave.
Kingman, AZ 86401
Phone: 928-753-5678, ext. 2012

Section 504 Coordinator
Mrs. Vicki Trujillo Director
KUSD #20
3033 MacDonald Ave.
Kingman, AZ 86401
Phone: 928-753-5678, ext. 2201

***Note: All materials can be translated upon request. Please contact the site administration office to obtain this service.*

Get Involved and Stay in School!

Lee Williams High School offers a variety of athletics, activities and student services. A large number of athletic opportunities are offered in the Fall, Winter and Spring seasons for male and female athletes. Stop by the Athletics Office to pick up your physical exam paperwork and AIA guidelines regarding participation.

Clubs, student organizations, and enterprises provide students with another way to get involved in their school. Students can participate in competitive, academic, service based or social clubs. You can even be involved in Student Government.

The Guidance Office offers a range of services to help students through their high school years. Career, academic and personal counseling is available. Peer mediation and support groups are also an option. After school tutoring centers are available for students needing academic support and AIMS preparation.

Take advantage of these and other opportunities to make your high school experience fun, rewarding and successful!

Look to the LWHS Website for up to date information.

Contact Information

Lee Williams High School
400 Grandview Avenue
Kingman, AZ 86401
Phone: 928-718-6000

Jennifer Hannan, Principal's Office 928-718-2412
Shane Murray, Discipline Office 928-718-2417
Michael Dietz, Athletic Director's Office 928-718-2417

Guidance Department - 928-718-2411
Wendy Hayes
Kim Richhart
Joseph Walker

Career and Technical Education - 928-692-6463
Lindsay Wolsey, Coordinator

Advanced Learning Programs - 928-753-5678
Margaret Stevenson, Coordinator

Course catalogs will be posted online at:
https://lwhs.kusd.org
https://www.wavejted.org

High School Pathways

Digital Communication

Digital Communications Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore related careers in Journalism or Video Production.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
English 1 A/B	1.0 (0.5 Credits Per Semester)	√
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
√		
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Chemistry A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Ag Horticulture A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
√		

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
IGCSE English 1st Lang A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
IGCSE Math Year 1 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Math Year 2 A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
IGCSE Biology A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
AS/A Level Biology A/B	1.0 (0.5 Credits Per Semester)	
AS Physics A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
√		
DC US History A/B AS	1.0 (0.5 Credits Per Semester)	
√		
√		

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Digital Communication I A/B	1.0 (0.5 Credits Per Semester)	√

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways @ MCC:

- Graphics & Web Design Certificate
- Cybersecurity & Network Support Certificate
- Programming & Game Development Certificate
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Education Professions

Education Professions

Degree Type High School Diploma

Check out Major Clarity to explore careers in Education.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0.

Title	Credits	Required
√		
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	
Children's Literature	0.5 (0.5 Credits Per Semester)	

Math

Math credits required for graduation: 4.0

Title	Credits	Required
Integrated Math 1 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 2 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 3 A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
Math for Elementary Teachers 1 & 2	1.0 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Environmental Science	0.5 (0.5 Credits Per Semester)	
Astronomy	0.5 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
√		
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (0.5 Credits Per Semester)	√

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
√		
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	
Children's Literature	0.5 (0.5 Credits Per Semester)	

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	
AS Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
Math for Elementary Teachers 1 & 2	1.0 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Education Professions I A/B	1.0 (0.5 Credits Per Semester)	√
Education Professions II A/B	1.0 (0.5 Credits Per Semester)	√

- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Automotive Services Pathway

Automotive Services Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Automotive Services Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0.

Title	Credits	Required
√		
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
Integrated Math 1 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 2 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 3 A/B	1.0 (0.5 Credits Per Semester)	√
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
Pre-Calculus A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Environmental Science	0.5 (0.5 Credits Per Semester)	
Astronomy	0.5 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
√		
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (0.5 Credits Per Semester)	√

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
√		
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	√
AS Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Automotive Technologies I	1.0 (Block Class (2 periods in a row))	√
Auto Technologies II	1.0 (Block Class (2 periods in a row))	√
Auto Technologies III	1.0 (Block Class (2 periods in a row))	√

All students will choose additional elective credits from the Electives Course page of the course catalog.

Automotive Technology courses are available starting Sophomore year. Courses are in a block schedule and are completed in 3 semesters.

Optional related WAVE pathways @ MCC:

- Collision Repair Technology including Certificates in Bodywork, Refinishing, and Estimating
- Automotive Technology including Certificates in Basic & Advanced
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Business Management Pathway

Business Management Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Business Management Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
English 1 A/B	1.0 (0.5 Credits Per Semester)	√
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
√		
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Chemistry A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Ag Horticulture A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
√		

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
IGCSE English 1st Lang A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
IGCSE Math Year 1 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Math Year 2 A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
IGCSE Biology A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
AS/A Level Biology A/B	1.0 (0.5 Credits Per Semester)	
AS Physics A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
√		
DC US History A/B AS	1.0 (0.5 Credits Per Semester)	
√		
√		

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Business Management 1 A/B	1.0 (0.5 Credits Per Semester)	√
Business Management 2 A/B	1.0 (0.5 Credits Per Semester)	√
Advanced Store Mgmt. & Marketing A/B	1.0 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways @ MCC:

- Bookkeeping Certificate
- Business & Entrepreneurship & E-Marketing Certificate
- Organizational Management Certificate
- Retail Management Certificate
- Computer Science: Professional Applications Certificate
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Fire Service Pathway

Fire Service Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Fire Service Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
Integrated Math 1 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 2 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 3 A/B	1.0 (0.5 Credits Per Semester)	√
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
Pre-Calculus A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	√
√		
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	√

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
√		
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (0.5 Credits Per Semester)	√

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
√		
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	√
AS Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Fire Service A/B	1.0 (0.5 Credits Per Semester)	
Fire Service Advanced Applications A/B	1.0 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways:

- WAVE Fire Academy
- NREMT Certificate
- Fire Fighter Certificate
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Graphic Design Pathway

Graphic Design Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Graphic Design Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
English 1 A/B	1.0 (0.5 Credits Per Semester)	√
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
√		
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Chemistry A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Ag Horticulture A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
√		

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
IGCSE English 1st Lang A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
IGCSE Math Year 1 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Math Year 2 A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
IGCSE Biology A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
AS/A Level Biology A/B	1.0 (0.5 Credits Per Semester)	
AS Physics A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
√		
DC US History A/B AS	1.0 (0.5 Credits Per Semester)	
√		
√		

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
√		
Graphic Arts 2 A/B	1.0 (0.5 Credits Per Semester)	√
Computer Info Systems—Dual Credit CIS 110	0.5 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways @ MCC:

- Graphics & Web Design Certificate
- Cybersecurity & Network Support Certificate
- Programming & Game Development Certificate
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Law And Public Safety Pathway

Law & Public Safety Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Law & Public Safety Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
Integrated Math 1 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 2 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 3 A/B	1.0 (0.5 Credits Per Semester)	√
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
Pre-Calculus A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Environmental Science	0.5 (0.5 Credits Per Semester)	
Astronomy	0.5 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
√		
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (0.5 Credits Per Semester)	√

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
√		
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	√
AS Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Law and Public Safety/Security I A/B	1.0 (0.5 Credits Per Semester)	√
Law and Public Safety/Security II A/B	1.0 (0.5 Credits Per Semester)	√
Law and Public Safety/Security IIIA/B	1.0 (0.5 Credits Per Semester)	
Criminal Law & Procedure	0.5 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways @ MCC:

- Corrections Officer Certificate
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Nursing Services Pathway

Nursing Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Nursing Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
English 1 A/B	1.0 (0.5 Credits Per Semester)	
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
√		
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	√
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
BIO 181 General Biology I (with Lab)	0.5	√
CHM 130 Fundamental Chemistry with Lab	0.5	√

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
√		

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
IGCSE English 1st Lang A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
IGCSE Math Year 1 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Math Year 2 A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC College Mathematics	0.5 (0.5 Credits Per Semester)	√
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
IGCSE Biology A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
BIO 181 General Biology I (with Lab)	0.5	√
CHM 130 Fundamental Chemistry with Lab	0.5	√

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
√		
DC US History A/B AS	1.0 (0.5 Credits Per Semester)	
√		
√		

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Medical Foundations A/B	1.0 (0.5 Credits Per Semester)	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Computer Info Systems—Dual Credit CIS 110	0.5 (0.5 Credits Per Semester)	
PSY 101 Psychology	0.5	

WAVE Nursing Pathway:

Practical Nursing (PN) Certificate requirements:

Title	Credits	Required
BIO 201 Human Anatomy & Physiology I (1 semester)	0.5	
BIO 202 Human Anatomy & Physiology II (1 semester)	0.5	
NAP 115 Nursing Assistant (must be 16 years old) (1 semester)	0.5	
NUR 101 Fundamentals of Nursing Education (1 semester)	0.5	
NUR 103 Fundamentals of Nursing (1 semester)	0.5	
NUR 111 Medical Surgical Nursing I (1 semester)	0.5	
NUR 124 Pediatrics in Nursing (1 semester)	0.5	
NUR 125 Obstetrics in Nursing (1 semester)	0.5	
NUR 126 Mental Health Nursing (1 semester)	0.5	

Credits required: 4.5

WAVE Nursing Pathway:

AAS Nursing Degree requirements (in addition to PN):

Title	Credits	Required
BIO 205 Microbiology (1 semester)	0.5	
COM 121 Interpersonal Communications (1 semester)	0.5	
NUR 212 Medical Surgical Nursing II (1 semester)	0.5	

Credits required: 1.5

WAVE 13th year

Title	Credits	Required
Any PN or AAS courses not taken in high school	0.5	
NUR 213 Medical Surgical Nursing III	0.5	
NUR 250 Nursing Capstone	0.5	

Credits required: 1.5

- AS/A level courses may be eligible for college credit by examination
- HOP application required for course at MCC: BIO 181, CHM130, BIO201, BIO22, BIO205, COM121
- University bound students may not take Personal Finance

	Total Credits	22

Sports Medicine And Rehabilitation Services Pathway

Sports Medicine and Rehabilitation Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Sports Medicine and Rehabilitation Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
English 1 A/B	1.0 (0.5 Credits Per Semester)	√
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
√		
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Chemistry A/B	1.0 (0.5 Credits Per Semester)	
Ag Horticulture A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
√		

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
IGCSE English 1st Lang A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	√
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
IGCSE Math Year 1 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Math Year 2 A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
IGCSE Biology A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
AS/A Level Biology A/B	1.0 (0.5 Credits Per Semester)	
AS Physics A/B	1.0 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
√		
DC US History A/B AS	1.0 (0.5 Credits Per Semester)	
√		
√		

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Medical Foundations A/B	1.0 (0.5 Credits Per Semester)	
√		
Sports Medicine 2 A/B	1.0 (0.5 Credits Per Semester)	√
Sports Medicine Lab Assistant A/B	0.5 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

Optional related WAVE pathways @ MCC:

- Nursing Assistant Certificate
- NREMT Certificate (must be 18 years old)
- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Stagecraft Pathway

Stagecraft Pathway Planner

Degree Type High School Diploma

Check out Major Clarity to explore careers in the Stagecraft Pathway.

Semester A + Semester B courses from the same subject area = 1.0 credit
One Semester courses (indicated below) = 0.5 credit

Choose between Traditional Courses and Cambridge Courses:

Traditional Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
English 2 A/B	1.0 (0.5 Credits Per Semester)	√
English 3A & 3B or AS General Paper A & B	1	√
English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
Integrated Math 1 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 2 A/B	1.0 (0.5 Credits Per Semester)	√
Integrated Math 3 A/B	1.0 (0.5 Credits Per Semester)	√
Personal Finance A/B	1.0 (0.5 Credits Per Semester)	
Pre-Calculus A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Environmental Science	0.5 (0.5 Credits Per Semester)	
Astronomy	0.5 (0.5 Credits Per Semester)	

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
√		
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (0.5 Credits Per Semester)	√

Cambridge Courses

English

English credits required for graduation: 4.0

Title	Credits	Required
√		
√		
AS/DC English 3A & 3B or AS General Paper A & B	1	√
AS/DC English 4A & 4B or AS General Paper A & B	1	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	√
AS Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (0.5 Credits Per Semester)	
DC College Mathematics	0.5 (0.5 Credits Per Semester)	
DC College Algebra	0.5 (0.5 Credits Per Semester)	
DC Trigonometry	0.5 (0.5 Credits Per Semester)	

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
Stagecraft I A/B	1.0 (0.5 Credits Per Semester)	√
Stagecraft II A/B	1.0 (0.5 Credits Per Semester)	√
Stagecraft III A/B	1.0 (0.5 Credits Per Semester)	

All students will choose additional elective credits from the Electives Course page of the course catalog.

- AS/A level courses may be eligible for college credit by examination
- University bound students may not take Personal Finance A & B

	Total Credits	22

Cambridge Academy

Cambridge AICE Diploma Pathway Planner

Degree Type High School Diploma

This pathway is for students who want to earn the AICE diploma at the end of their senior year.

See the AICE Diploma checklist for exam requirements.

Although IGCSE courses are not required for the AICE diploma, they are recommended as preparation for advanced Cambridge courses.

Required courses are listed in order of prerequisites.
All courses are 1.0 credits unless noted otherwise.

Cambridge Courses

English

English credits required for graduation: 4.0.

Title	Credits	Required
√		
√		
IGCSE English Lit. A/B	1.0 (0.5 Credits Per Semester)	
√		
√		
AS General Paper A/B	1.0 (0.5 Credits Per Semester)	√

Math

Math credits required for graduation: 4.0

Title	Credits	Required
√		
√		
Cambridge Addit. Math A/B	1.0 (0.5 Credits Per Semester)	√
AS Math A/B	1.0 (0.5 Credits Per Semester)	√

Science

Science credits required for graduation: 3.0

Title	Credits	Required
√		
√		

Social Studies

Social Studies credits required for graduation: 3.0

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
√		
DC Civics	0.5 (0.5 Credits Per Semester)	√

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Electives

Electives credits required for graduation: 7.0

Title	Credits	Required
√		
IGCSE Spanish 1 A/B	1.0 (0.5 Credits Per Semester)	
CTE/AS Digital Communication II A/B	1.0 (0.5 Credits Per Semester)	

**AS Global Perspectives A & B (core Cambridge exam requirement for AICE diploma).*

All students will choose additional elective credits from the Electives Course page of the course catalog.

Exam Requirements

See AICE Diploma Checklist

- AS/A level courses may be eligible for college credit by examination
- University bound students must earn 2.0 credits of a Foreign Language

	Total Credits	22

Cambridge Grand Canyon High School Diploma Pathway Planner

Degree Type High School Diploma

Required courses are listed in order of prerequisites.
All courses are 1.0 credits unless noted otherwise.

Cambridge Courses

English

English credits required for graduation: 2.0

Title	Credits	Required
√		
√		

End of Course Exam Requirements

IGCSE First Language English: B or higher
IGCSE Literature: C or higher

Math

Math credits required for graduation: 2.0

Title	Credits	Required
√		
√		

End of Course Exam Requirements

IGCSE Math: C or higher

Science

Science credits required for graduation: 2.0

Title	Credits	Required
√		
√		

End of Course Exam Requirements

IGCSE Biology: C or higher
IGCSE Chemistry: C or higher

Social Studies

Social Studies credits required for graduation: 2.5

Title	Credits	Required
√		
IGCSE World History A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge Econ AS	0.5 (0.5 Credits Per Semester)	√

End of Course Exam Requirements

IGCSE American History: C or higher
IGCSE History: C or higher
Economics: Optional exam

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Fine Arts or CTE credits required for graduation: 1.0

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	√

Cambridge End of Course Exam Requirements

No exam requirement

Additional Information

See Cambridge Grand Canyon High School Diploma Checklist

Options after earning the GCD:

- Graduate from high school as early as the end of the first semester of Junior year. This diploma may be used to enroll in a community college or technical school.
- Remain enrolled with KUSD for free Dual Enrollment courses with Mohave Community College and pursue the Cambridge AICE diploma.

	Total Credits	9.5

Courses

Core Subjects

English

ENG 0101/0102: English 1 A/B

The course meets the Arizona state standards for freshmen English, focusing on grammar and the writing of persuasive and expository essays. Students will practice critical thinking skills while exploring a variety of short stories, non-fiction texts, poetry, and KUSD approved novels in which they are taught literary elements and figurative language. (Cambridge IGCSE First Language English substitutes for this requirement).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9

ENG 0201/0202: English 2 A/B

As directed through the current Arizona Department of Education's state standards, students review the fundamentals of grammar, write a variety of essays and focus on improving their communicative skills using the standard conventions of written English. Additionally, students become familiar with the common elements of literature while developing a usable, mature vocabulary. In this sophomore level class, students will experience a number of district-approved novels as well as a variety of short stories, non-fiction texts, plays, and poetry selections. (Cambridge IGCSE Literature in English substitutes for this requirement).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10

ENG 0301/0302: English 3 A/B

The current Arizona State Standards are reflected in this level 3 curriculum which provides students the opportunity to explore district-approved novels, short stories, non-fiction text, essays, and poetry. Through critical thinking, evaluation, analysis, and synthesis, students will explore the literary merits of each piece of text. (Cambridge AS or DC English 101/102 substitutes for this requirement).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11

ENG 0401/0402: English 4 A/B

This course includes a curriculum directed by the current Arizona State Standards with a focus on college and career readiness writing, i.e. applications, resumes, essays. Students will also study and analyze British and contemporary literary pieces. This course is designed to explore practical applications of English skills. (Cambridge AS English Language 9093 or DC English 101/102 substitutes for this requirement).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
12

ENGC 161/162: IGCSE English 1st Lang A/B

This course prepares students to demonstrate understanding of extended texts; recognize the relationship of ideas; draw inferences, evaluate effectiveness, compare, analyze and synthesize ideas; recognize and respond to linguistic devices, such as figurative language; and demonstrate understanding of how writers achieve effects. In writing, students will demonstrate adequate control of syntax, vocabulary and grammar; express thoughts, feelings and opinions in order to interest, inform or convince an audience; and will be assessed on their ability to make accurate and effective use of paragraphs, grammatical structures, sentences, punctuation and spelling. In speaking and listening, students will understand and convey simple and complex information; consciously order and present facts, ideas and opinions for a particular audience; recognize and discuss statements of opinion and attitude, while discerning underlying assumptions and point of view; and speak audibly and intelligibly with appropriate tone, intonation and pace. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9
Notes
Check out the Cambridge website for more information: cambridge.org

ENGC 261/262: IGCSE English Lit. A/B

This course will prepare students to enjoy the experience of reading literature; understand and respond to literary texts in different forms and from different periods and cultures; communicate an informed personal response appropriately and effectively; appreciate different ways in which writers achieve their effects; experience literature's contribution to aesthetic, imaginative and intellectual growth; and explore the contribution of literature to an understanding of areas of human concern Students will demonstrate detailed knowledge of the content of literary texts in the three main forms (drama, poetry, and prose); understand the meanings of literary texts and their contexts, and explore texts beyond surface meanings to show deeper awareness of ideas and attitudes; recognize and appreciate ways in which writers use language, structure, and form to create and shape meanings and effects; and communicate a sensitive and informed personal response to literary texts. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10
Notes
Check out the Cambridge website for more information: cambridge.org

ENGC 361/362: AS English 3 A/B

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Students will create critical and informed responses to texts in a range of forms, styles, and contexts while developing the interdependent skills of reading, analysis, and research. Students will demonstrate a knowledge and understanding of English language and its use in a variety of contexts. The course also provides a variety of writing opportunities calling for the use of different styles and tones. Students will write clearly, accurately, creatively, and effectively for different purposes/ audiences, using different forms. This course is recommended for students seeking the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

May be dual credit with MCC DC ENG 101/102.

ENGC 363/364: AS General Paper A/B

In the AS General Paper Course, students will consider topics within local and international contexts that appeal to their education and career interests. Students will have the opportunity to gain knowledge and understanding of issues in three broad topic areas: 1) Economic, historical, moral, political and social; 2) Science, including its history, philosophy, ethics, general principles and applications; environmental issues; technology and mathematics; 3) Literature, language, the arts, crafts, and the media. They should be able to draw upon knowledge and understanding gained from studying other subjects. Through the study of these broad topic areas, students develop effective reading and writing skills in English. They work with information, ideas and opinions. They analyze and evaluate opinions and ideas and learn how to build an argument. These skills are all highly transferable and will help students in other subjects they are studying, and equip them for higher education or employment. This course is recommended for the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

Students in this course can earn college credit by taking the exam at the end of the semester.

ENGC 371/372: AS/A Literature in English 9276 A/B

The purpose of this course is to provide students with close study of all required texts. Students will learn to demonstrate the ability to respond to literary texts in the three main forms (Prose, Poetry and Drama) of different types and from different cultures. Students will demonstrate an understanding of the ways in which writers' choices of form, structure and language shape meanings. Students will demonstrate the ability to produce informed, independent opinions and judgments on literary texts as well as the ability to communicate clearly the knowledge, understanding and insight appropriate for literary study through writing and other formats.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
12
Prerequisites
ENGC 361/362: AS English 3 A/B
C or better in AS English Language.
Notes
This course is recommended for the AICE diploma through Cambridge. Check out the Cambridge website for more information: cambridge.org

May be dual credit with MCC DC ENG 234/236.

ENGD 200: Children's Literature

This MCC course is for high school seniors on the Education Professions pathway for 1 semester of 4th year English credit.

MCC course description for EDU 200 Children's Literature:

A survey of children's literature focused on grade PreK-8. This course includes the study of a variety of popular children's authors, illustrators, and genres, and is designed to enhance students' appreciation and analysis of literature with a focus on how to effectively choose and implement children's literature in educational contexts. This course requires additional and outside reading of a variety of children's literature titles.

Credits 0.5 (0.5 Credits Per Semester)
Grade Level
12
Prerequisites
See MCC website for required prerequisites.

ENGD 361/362: DC ENG 3 A/B AS

This is a Dual Credit course with MCC. Both Cambridge and MCC learning objectives are required to be met throughout the semester. Students who enroll in this course will be responsible for meeting both the high school expectations and the college expectations. The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Students will create critical and informed responses to texts in a range of forms, styles, and contexts while developing the interdependent skills of reading, analysis, and research. Students will demonstrate a knowledge and understanding of English language and its use in a variety of contexts. The course also provides a variety of writing opportunities calling for the use of different styles and tones. Students will write clearly, accurately, creatively, and effectively for different purposes/ audiences, using different forms. This course is recommended for students seeking the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

ENGD 461/462: DC ENG 4 A/B AS

This is a Dual Credit course with MCC. Both Cambridge and MCC learning objectives are required to be met throughout the semester. Students who enroll in this course will be responsible for meeting both the high school expectations and the college expectations. The purpose of this course is to provide students with close study of all required texts. Students will learn to demonstrate the ability to respond to literary texts in the three main forms (Prose, Poetry and Drama) of different types and from different cultures. Students will demonstrate an understanding of the ways in which writers' choices of form, structure and language shape meanings. Students will demonstrate the ability to produce informed, independent opinions and judgments on literary texts as well as the ability to communicate clearly the knowledge, understanding and insight appropriate for literary study through writing and other formats.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
12
Prerequisites
ENGD 361/362: DC ENG 3 A/B AS
C or better in AS English Language.
Notes
Check out the Cambridge website for more information: cambridge.org

This course is recommended for the AICE diploma through Cambridge.

Math

MAT 0111/0112: Integrated Math 1 A/B

This is the first course in the three year Integrated Math series. The program focuses on combining Algebra and Geometry concepts in order to help students develop an understanding of how these concepts are implemented in the real world. This class is an introductory level. The concepts students will learn are solving equations, order of operations, graphing and reviewing basic geometric figures and concepts. This counts as the Algebra 1 credit required for graduation.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10

MAT 0211/0212: Integrated Math 2 A/B

This is the second course in the three year Integrated Math series. The program focuses on combining Algebra and Geometry concepts in order to help students develop an understanding of how these concepts are implemented in the real world. This level is about developing and growing topics from year one. Integrated 2 solidifies equations and graphing while introducing trigonometry, transformations and congruent triangles. This counts as the Geometry credit required for graduation.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12

MAT 0311/0312: Integrated Math 3 A/B

This is the third course in the three year Integrated Math series. The program focuses on combining Algebra and Geometry concepts in order to help students develop an understanding of how these concepts are implemented in the real world. This level is about refining students' understanding and implementations of the mathematical concepts. Integrated 3 focuses on systems of equations, triangle proofs, polynomials and quadratics, while reviewing equations, exponents, graphing, and geometry concepts. This counts as the Algebra 2 credit required for graduation.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

MAT 0351/0352: Pre-Calculus A/B

This course is for students who would need to take significant math in college but aren't quite ready to take college classes now. First semester we will be covering factoring, polynomial functions, and sketching functions using parent graphs. Second semester focuses on trigonometric functions and trigonometric identities. Students considering this course should have passes their other 3 years of Math classes with a C or better, in order to be successful.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

MAT 0361/0362: Personal Finance A/B

Personal Finance includes a variety of topics needed in today's society. Some of the areas studied will be banking, credit, automobile ownership, employment basics, income taxes, housing, retirement and budgets. This course fulfills the fourth mathematics credit needed for graduation
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

MATC 121: DC Intermediate Algebra

Intermediate Algebra extends and strengthens concepts covered in Beginning Algebra. Functions are introduced and integrated throughout the course where appropriate in the context of the following topics: linear equations, inequalities and graphs; absolute value equations and inequalities; operations on polynomials; rational expressions, equations and inequalities; radical expressions and equations; and quadratic equations, inequalities and graphs. Appropriate college placement score applies.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12

MATC 142: DC College Mathematics

College Mathematics applies practical knowledge of college-level mathematics to real-life problems. Topics include critical thinking, proportional reasoning, linear and exponential growth and decay, geometry, personal finance, probability, and statistics, with an emphasis on understanding concepts and their applications. College Math is recommended for students majoring in the liberal arts, elementary education, and the social sciences whose major does not require College Algebra or Precalculus.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites

Integrated Math 3 A/B

OR

Cambridge Additional Math A/B

MATC 161/162: IGCSE Math Year 1 A/B

This course prepares students to demonstrate mathematical knowledge as a key life skill, and as a basis for more advanced study. Students will develop a feel for numbers, patterns and relationships, with a strong emphasis on solving problems and presenting and interpreting results. Students also learn how to communicate and reason using mathematical concepts. This course will allow students to develop their mathematical knowledge and oral, written and practical skills; read mathematics, and write and talk about the subject in a variety of ways; apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them. The course is equivalent to Algebra I credit with supplemental Cambridge material to enrich and expand concepts. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

MATC 261/262: IGCSE Math Year 2 A/B

This course investigates many of the high school concepts of geometry, logic, and reasoning and continues the theme of Cambridge Year 1. Students also learn how to communicate and reason using mathematical concepts. This course will allow students to develop their mathematical knowledge and oral, written and practical skills; read mathematics, and write and talk about the subject in a variety of ways; apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them. The course is equivalent to a Geometry credit with supplemental Cambridge material to enrich and expand concepts. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

MATC 361/362: Cambridge Addit. Math A/B

Cambridge IGCSE Additional Mathematics (US) allows students to: • further develop their use of mathematical concepts and principles • extend their mathematical skills and their use in more advanced techniques • solve problems, present solutions logically, and interpret results • develop a solid foundation for further study. Our programs balance a thorough knowledge and understanding of a subject and help to develop the skills learners need fortheir next steps in education or employment. The course is equivalent to an Algebra II credit with supplemental Cambridge material to enrich and expand concepts.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

MATC 371/372: AS Math A/B

The purpose of this course is to enable students to develop an understanding of mathematical principles and an appreciation of mathematics as a logical and coherent subject; acquire a range of mathematical skills, particularly those which will enable them to use applications of mathematics in the context of everyday situations and of other subjects they may be studying; develop the ability to analyze problems logically, recognize when and how a situation may be represented mathematically, identify and interpret relevant factors, and, where necessary, select an appropriate mathematical method to solve the problem; use mathematics as a means of communication with emphasis on the use of clear expression; and acquire the mathematical background necessary for further study in this or related subjects. This course is recommended for the Cambridge AICE diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

MATD 351: DC College Algebra

College Algebra is the study and analysis of linear, polynomial, exponential, and logarithmic functions, equations and inequalities, conic sections, systems of equations and matrices, and sequences and series, with an emphasis on problem solving and multiple representations.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites

Integrated Math 3 A/B

OR

Cambridge Additional Math A/B

MATD 352: DC Trigonometry

A study of the trigonometric functions and their graphs and inverses, trigonometric identities, and the applications of these functions to right and oblique triangles, vectors, complex numbers, and polar and parametric equations.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites

Integrated Math 3 A/B

OR

Cambridge Additional Math A/B

MATD 353/354: Math for Elementary Teachers 1 & 2

This year-long course is made up of 2 MCC math courses, MAT160 & MAT161. This course is for students who are pursuing a degree in Elementary Education.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
MAT 142 or MAT 151 with a C or better

Science

SCI 0111/0112: Integrated Science A/B

Integrated Science is the entry level science course for high school science. It provides the conceptual foundation for further high school science curriculum. Students receive instruction and practice in developing and refining scientific skills and methods that are prerequisites for success. Topics included in this class are scientific processes, the nature and history of science, basic earth science, basic physics, and basic chemistry. Students will focus on fundamentals, data recording, and communication in all areas. Instruction and pacing will be differentiated to meet the needsof the students.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Notes
This class is for 9th grade students or students who have been granted permission from the instructor.

SCI 0131/0132: Biology A/B

Introduction to biological principles, cellular function, biochemistry, nucleic acid functions, genetics, and genetic engineering. The kingdom and domains of life, including viruses, bio-history and evolution, and ecology and relationships among the species.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Fee
$5/semester

SCI 0221/0222: Earth Science A/B

Study of the relationships between the Earth's land masses, oceans, and atmosphere, interactions between the Earth's structures, atmosphere, and geologic cycles. Study of the origin and evolution of the Earth including: energy flow time scale, minerals and rocks, Earth's interior composition, and plate tectonics.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
SCI 0111/0112: Integrated Science A/B

SCI0131

OR

SCI0112.
Fee
$5/semester

SCI 0261/0262: Chemistry A/B

This course is for college-bound students. The course covers a sequential curriculum and laboratory work is essential. Topics include atomic structure, mole concepts, periodic laws, chemical formulas and chemical compounds.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
Fee
$5/semester

SCI 0341/0342: Anatomy and Physiology A/B

This course is designed for "pre-professional" students and others who may enter health or health-related fields. It is an in-depth look into the functioning world of the human body. This course will examine physiological functions as well as identifying the anatomical structures found within the systems of the body. Topics will include organization of the body, support and movement of the body, integration and control of the body, regulation and maintenance of the body, and the continuance of the species. Successful completion of "A" is necessary for success in "B".
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
SCI 0131/0132: Biology A/B
Fee
$5/semester

SCI 251: Environmental Science

In this semester long course, students will be introduced to ecology and the use of science-based solutions to current and future environmental issues and a look at how science can help properly manage the Earth for all inhabitants.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
SCI 0221/0222: Earth Science A/B
Successful completion of at least 1 semester of Earth Science.

SCI 252: Astronomy

In this semester long class, students will be introduced to the scientific study of the Earth/Moon relationship, the terrestrial planets and moons, the gas/ice giant planets and moons, the stars (including our own star, the Sun) and beyond our solar system.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
SCI 0221/0222: Earth Science A/B
Successful completion of at least 1 semester of Earth Science.

SCIC 161/162: IGCSE Biology A/B

This course prepares students to better understand the world in which they live, and take an informed interest in science and scientific developments. Students learn about the basic principles of biology through a mix of theoretical and practical studes while developing an understanding of the scientific skills essential for further study. Students will learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. Required for Grand Canyon High School Diploma
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10
Fee
$5/semester
Notes
Check out the Cambridge website for more information: cambridge.org

SCIC 261/262: IGCSE Chemistry A/B

As well as a subject focus, the Chemistry syllabus enables students to: better understand the technological world in which they live, take an informed interest in science and scientific developments, learn about the basic principles of Chemistry througha mix of theoretical and practical studies, develop an understanding of the scientific skills essential for further study, skils which are useful in everyday life learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Fee
$5/semester
Notes
Check out the Cambridge website for more information: cambridge.org

SCIC 271/272: AS/A Level Biology A/B

This course is designed to provide a worthwhile educational experience for all students; develop relevant and useful abilities and skills; develop attitudes relevant to biological science; stimulate interest in and care for; the local and global environment, promote an awareness of issues surrounding the study and application of biological science; and stimulate students to create a sustained interest in biology. This course is recommended for the AICE Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

**Dependent on course requests. BIO 100 credit by examination.

SCIC 371/372: AS Physics A/B

This course is designed to impart knowledge of everyday phenomena including, but not limited to, Newtonian mechanics, matter, oscillations and waves, electricity and magnetism, and modern physics. Students that complete this course will have been given a comprehensive introduction in the physical world, will have a greater appreciation for the scientific process (including its limitations), and will be better equipped to contribute to a technological society. This course is recommended for the AICE Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

Social Studies

SSC 0201/0202: World History and Geography A/B

Students will analyze the human experience through time to recognize the relationships of events and people and to interpret significant patterns, themes, ideas, beliefs, and turning points in world history. The first semester covers history up to the age of exploration and colonization and focuses heavily on the development of civilizations that established the foundations for the modern historical era beginning around the 16th century. The second semester covers history from the era of Absolute monarchs in Europe to the present and focuses heavily on political, economic, and social developments that have shaped the world we live in today. There will also be a large focus on geography, especially where it is a significant factor in the shaping of historical events. The content of this course requires an emphasis on reading, writing, and critical thinking skills, which will be developed throughout the semester
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

SSC 0321/0322: US History A/B

This course is a one year course. The first semester covers early American history from pre-Columbian America through the 1920's. There will be an emphasis on the period from the Industrial Revolution forward. In addition, this course will include Arizona history and basic economic concepts. The second semester covers the period from the Great Depression through current events. This is a required course for graduation (SSCD 371/372 DC US History A/B AS substitutes for this requirement).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

SSC 0450: Civics

In this semester long class, students will learn about the history and heritage of the government and Constitution of the United States, the roles of the three branches of federal government, state and local governments, and economics. This is a required course for graduation. May be dual credit with MCC POS 120.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
12

SSC 0460: Economics

In this semester long course, students will learn an overview of the foundations of economics and will focus on different approaches to the study of economics: microeconomics, macroeconomics, global economics, and personal finance. Current issues and public policies will be analyzed to gain a better understanding of the complex relationships among economics, politics, and culture. Economics is available for sophomores in the Cambridge program.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
12

SSCC 0480: Cambridge Econ AS

Cambridge International AS Level Economics is an introductory economics course that covers the key concepts which run through the study of economics. These concepts will help students make links between the different levels and topics in economics including fundamental problems all societies face, the decision making process by individuals, firms, and governments, how market equilibrium is achieved, when government intervention and regulation is needed or desired, and how these concepts work together to create efficiency. Course is designed to prepare students for Cambridge exams at the end of the year by reinforcing critical thinking, writing skills, and critical analysis. This course is recommended for the AICE diploma through Cambridge.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
12
Notes
Check out the Cambridge website for more information: cambridge.org

SSCC 161/162: IGCSE World History A/B

The IGCSE History course looks at some of the major international issues of the twentieth century, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research. Students learn about the nature of cause and effect, continuity and change, similarity and difference and find out how to use and understand historical evidence as part of their studies. IGCSE History will stimulate any student already interested in the past, providing a basis for further study, and also encouraging a lifelong interest in the subject. Meets World History graduation requirement. This course is required for students seeking Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10
Notes
Check out the Cambridge website for more information: cambridge.org

SSCC 301/302: Cambridge AS Level Global Persp 9239 A/B

The purpose of this course aims to prepare students for positive engagement with a rapidly changing world, broadening their outlook through the critical analysis of, and reflection on, issues of global significance. This course enables candidates to think critically, to reason in a disciplined way, and to communicate effectively. The course is firmly based on skills rather than specific content. Through the study of global issues, candidates will explore different and sometimes opposing perspectives and will acquire and develop thinking and reasoning skills as well as research and communication skills that will enable students to meet the demands of the twenty-first century and to make a successful transition to study in higher education.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
It is recommended that students have attained communication and literacy skills at a level equivalent to IGCSE/GCSE Grade C in English.
Notes
This course is required for the AICE diploma through Cambridge. Check out the Cambridge website for more information: cambridge.org

SSCD 371/372: DC US History A/B AS

This course allows students to develop a coherent understanding of the history of the U.S.A. The curriculum content provides for historical study in breadth from a variety of perspectives. This course gives students the opportunity to: understand key issues, ideas, people, and events that shaped the emergence and development of the U.S.A.; understand connections between them and understand their significance; and be able to develop a clear grasp of chronology and periodization. Teaching and learning will focus on: continuity, development, change over time, causation and consequence, the significance of key turning points, and individual's connections between different topics. This course is recommended for students seeking the AICE diploma through Cambridge. This course is required for Arizona's Grand Canyon High School Diploma.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

May be dual credit with MCC HIS 131/132.

SSCD 450: DC Civics

This course surveys the United States Constitution, The Federalist Papers, political parties and elections, interest groups, Congress, the President and bureaucracy, courts, civil rights and liberties, and an overview of government policies.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
Appropriate college placement score applies.

CTE

Digital Communication

INF 0101/0102: Digital Communication I A/B

The Digital Communication instructional program prepares students to gather, process, and deliver news through a variety of print and online formats, including video, vlogs, weblogs (blogs), YouTube, digital/video news, school magazines and other traditional and new media platforms. Students will work with Adobe and other industry recognized software and apps.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

INFC 0322: DCE Digital Communication

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Digital Communication Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
Complete Digital Communication coherent sequence or recommendation from HS principal designee

Education Professions

EPR 0111/0112: Education Professions I A/B

This is an introductory class designed to expose students to employment and/or post-secondary opportunities in the field of education. The program provides instruction in education career choices, education structure and systems, theories, history, pedagogy, developmental stages, learning styles and instructional methods. The Education Professions I class provides interactive experiences with students at different age levels in a variety of content areas in different educational environments
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

EPR 0211/0212: Education Professions II A/B

This class is designed to give students a deeper experience in the world of becoming a teacher and educator. Students will continue to learn about career choices, education structure and systems, theories, history, pedagogy, developmental stages, learning styles and instructional methods. Students will also have the opportunity to visit classrooms to work with current teachers and K-8 students. Students will work with a variety of age levels one-on-one, in small groups, or whole class. Students will be expected to create and implement a lesson plan. Students who successfully complete Education Professions I and Education Profession II will become an Education Professions program completer. Being a program completer shows colleges and future employers that you have gained practical and industry specific skills. Program completion increases employability and job readiness. Students who successfully complete the Education Professions program will have opportunities to take education classes through the community college while still in high school and have the potential to earn an associate in Education by the time they graduate high school. These courses align with MCC's bachelors in education program, creating a pipeline for future teachers.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
EPR 0111/0112: Education Professions I A/B

Automotive Services Pathway

ASE 0101: Automotive Technologies I

Introduction to the basic industry skills necessary for certified professionals in the automotive industry. The course includes developing career plans and preparing for employment. It also includes an introduction to: shop safety, common hand tools, basic shop equipment, measuring systems and tools, academic skills needed in the field, and automotive industry terminology.
Credits 1.0 (Block Class (2 periods in a row))
Grade Level
10, 11, 12

ASE 0202: Auto Technologies II

This course prepares the individual to apply technical knowledge and skills in safety, adjustment, maintenance, and parts replacement to repair automobiles and light trucks. Students are introduced to: a) brake systems; b) electric/electronic systems; c) steering and suspension systems; and d) engine performance diagnosis and repair.
Credits 1.0 (Block Class (2 periods in a row))
Grade Level
10, 11, 12
Prerequisites
ASE 0101: Automotive Technologies I
Automotive I and Instructor Approval.

ASE 0300: Auto Technologies III

This course prepares the individual to apply higher levels of technical knowledge and skills to maintain, diagnose and repair automobiles and light trucks. Students will gain in-depth knowledge needed to troubleshoot and identify malfunctioning components and sensors; and correct these problems in four areas: brake systems, electrical/electronic systems, steering and suspension systems and engine performance analysis. Students will be guided by the ASE curriculum and student certification tests will be offered to prepare for employment or further training in the field.
Credits 1.0 (Block Class (2 periods in a row))
Grade Level
10, 11, 12
Prerequisites
ASE 0202: Auto Technologies II
Automotive Technologies II and Instructor Approval.

ASE 0320/0321: Automotive Tech Lab Assistant A/B

Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

ASE 0323: DCE Automotive Technologies

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Automotive Technologies Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
ASE 0101: Automotive Technologies I
ASE 0202: Auto Technologies II
ASE 0300: Auto Technologies III
Complete Automotive Technologies coherent sequence or recommendation from HS principal designee

Business Management Pathway

BUE 0322: DCE Business Management

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Business Management Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
MKT 0230/0231: Business Management 1 A/B
MKT 0232/0233: Business Management 2 A/B
MKT 0341/0342: Advanced Store Mgmt. & Marketing A/B
Complete Business Management coherent sequence or recommendation from HS principal designee

CISJ 110: Computer Info Systems—Dual Credit CIS 110

An introduction to hardware, software, data structures, information system analysis, and other topics regarding computer information systems. Content covers historical and contemporary topics with emphasis on database and spreadsheet packages for solving problems from a business perspective. Earn 3 college credits at MCC for CIS110. This is a required general education class for all in-state universities.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12

MKT 0230/0231: Business Management 1 A/B

Explore the exciting challenges of management! Students will be introduced to the skills necessary to be an effective manager and leader. Students will explore fundamental business concepts and career opportunities. Virtual business on the computer, field trips, guest speakers, projects, and internet research are all part of this exciting class!
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MKT 0232/0233: Business Management 2 A/B

Learn about customer buying habits and the sales world. Determine how to purchase, display, promote and finance products. Students will also complete an accounting cycle, analyze financial statements, and make educated business decisions by learning basic accounting principles and practices. Students will also utilize computer skills in the MS Office Suite, Internet, graphics, and business-related software for advanced document creation. Students are expected to make presentations, use email appropriately, and participate in class.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Prerequisites
MKT 0230/0231: Business Management 1 A/B
Business Management 1 or enrolled concurrently

MKT 0341/0342: Advanced Store Mgmt. & Marketing A/B

This course is recommended for students who are preparing to enter the working world or going on to college and are interested in business leadership. Students will participate in working in the student-run school store with an emphasis on management (both leadership and financial). The students run the Student Store! Management, operations, marketing, and finance experience! Product planning/pricing, inventory control, stocking shelves, running the register, counting money-accounting/bank deposit, flyers/ads/website promotion, scheduling, training others, implementing procedures and more! This course is repeatable for credit with instructor approval.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
MKT 0230/0231: Business Management 1 A/B
MKT 0232/0233: Business Management 2 A/B

Fine And Performing Arts Pathway

ART 0101/0102: Art 1 A/B

This basic art course is designed to review the fundamentals of drawing, painting, color mixing, perspective, basic design elements, and art appreciation.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

INF 0119/0120: Graphic Arts 1 A/B

Students start with this introductory course that will combine several elements of traditional and commercial art along with photography. This visual arts course will serve as the foundation to pathways in graphic arts, traditional art and photography. Recognized industry software is utilized throughout the course. Owning your own digital camera is recommended. This is the first step to becoming a program completer.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Fee
$15/semester

INF 0123/0124: Advanced Graphic Arts A/B

Second year students will build on and refine their understanding of various digital media and technologies including technology's historical evolution, current applications, and future possibilities. Students will develop design concepts and projects, which directly apply to commercial and business environments, such as, corporate identity packages, and sales and marketing materials. Design students will act as a business partners with the school clubs and organizations.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
INF 0121/0122: Graphic Arts 2 A/B
0121/0122
Fee
$10/semester

MUS 0110A/B: Band Percussion A/B

This is the percussive, performing ensemble of Lee Williams High School. These instruments include drums, hand percussion and mallet-based instruments. The goal of this ensemble is to provide its students with the opportunity to develop and refine musicality and technical skills that will enable them to perform a wide variety of repertoire at a Grade Difficulty of 3 or higher. Students will focus on master in all areas including tone, intonation, balance, interpretation and theory. Performances are a mandatory part of the grade. If interested in joining without previously been in band, please meet with the director before adding this course to your schedule.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MUS 0116/0118: Introduction to High School Band A/B

To provide an entry-level class for those who want to learn an instrument or those who might not yet be ready for the rigor of high school band. Students will be able to play music at a Grade 1.5-2 level by the end of the course. Scope: Rhythm (whole through sixteenth notes & rests), Notes (low concert F through high concert E-flat), Articulations (legato, staccato, slur), Scales (B-flat, F-, E-flat, A-flat).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MUS 0120/0122: Concert Band A/B

This is the wind-based, performing ensemble of Lee Williams High School. These instruments include Brass and Woodwind instruments only (flute, clarinet, saxophone, trumpet, trombone, tube and color winds). The goal of this ensemble is to provide its students with the opportunity to develop and refine musicality and technical skills that will enable them to perform a wide variety of repertoire at a Grade Difficulty of 3 or higher. Students will focus on master in all areas including tone, intonation, balance, interpretation and theory. Performances are a mandatory part of the grade. If interested in joining without previously been in band, please meet with the director before adding this course to your schedule.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MUS 0150/0152: Concert Choir A/B

This is a year-long course that explores choral music from a wide variety of cultures and time periods through study and performance. This class is open to all students, regardless of previous singing experience. The core curriculum emphasizes the basics of vocal technique, sight reading, music theory, and music history. Students in Concert Choir are expected to participate in one evening concert each quarter as a major part of their grade.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

Fire Service Pathway

FSC 0203/0204: Fire Service A/B

This course introduces students to careers in Fire Service and prepares them to apply academic, employability and technical knowledge and skills related to common industry standards and practices of the Fire Service. The program utilizes current principles and practices, identified and established by national and state consortiums, to provide technical knowledge and skills that are associated with careers in the fire service. An integrated approach to teaching and learning utilizes classroom instruction of knowledge and practical application of skills. Students will also be introduced to the theme of “Being an 11” and how it relates to LWHS and service to the community.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

FSC 0301/0302: Fire Service Advanced Applications A/B

This course is a continuation of FSC0201/0202 and prepares students to apply advanced academic and technical knowledge and skills in a variety of settings within Fire Service. Students completing the program will be prepared to participate in teams, solve problems, think critically and implement effective solutions and they gain knowledge and skills associated with the fire service.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
FSC 0203/0204: Fire Service A/B
FSC 0203/0204 and Instructor Approval

FSC 0320/0321: Fire Service Lab Assistant A/B

Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

FSC 0322: DCE Fire Service

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Fire Service Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
FSC 0203/0204: Fire Service A/B
FSC 0301/0302: Fire Service Advanced Applications A/B
Complete Fire Service coherent sequence or recommendation from HS principal designee

Graphic Design Pathway

CIS 0322: DCE Graphic Design

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Graphic Design Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
INF 0121/0122: Graphic Arts 2 A/B
Complete Graphic Design coherent sequence or recommendation from HS principal designee

INF 0121/0122: Graphic Arts 2 A/B

Students will explore and understand the various digital media and technologies including technology's historical evolution, current applications, and future possibilities. They will develop design concepts and projects for commercial and business environments as well as explore career possibilities.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
INF 0119/0120: Graphic Arts 1 A/B
Fee
$10/semester

Law And Public Safety Pathway

AJS 0300/0301: Law and Public Safety/Security I A/B

This first-year course is an overview of the history and organization of local, state and federal law enforcement, including the practice and application of law and terminology of law enforcement. This course explains the elements of crime and criminal law, the goals of corrections, constitutional law, and public security. This course also includes segments of courtroom procedures, including a mock trial and discussion in the career fields of crime scene investigation, forensics and emergency communications. Leadership principles will be learned through a close association with the SkillsUSA Career and Technical Skills Organization (CTSO).
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

AJS 0310: Criminal Law & Procedure

This semester-long course provides students with knowledge and skills related to understanding criminal law, constitutional amendments, and due process. It is designed for those that may be interested in legal careers, such as an attorney, judge, paralegal, court reporter, or those just interested in learning more about our legal system.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
Juniors and Seniors

Sophomores with prior approval

AJS 1300/1301: Law and Public Safety/Security II A/B

This course reviews the application of law and functions of law enforcement for preparation of a career in law enforcement. This sec-ond-year course covers practical applications of policing such as ethical responsibilities, use of force, and crime scene security. Students will conduct hands-on applications involving necessary equipment for handcuffing, crime scene preservation, vehicle searches and fingerprinting. Students will become completers in the program by passing a state technical assessment and receive a certificate from Arizona Department of Education.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

AJS 2300/2301: Law and Public Safety/Security IIIA/B

This third-year course is an advanced part of the Law and Public Safety Program that further prepares students for entry-level employment, provides further training, and/or postsecondary education opportunities through Mohave Community College for occupations in the field of Criminal Justice, Emergency Telecommunications, Investigation and Security Service, and careers in the Detention Field. The students will have an opportunity to become nationally certified through The Association of Public-Safety Communications Officials (APCO) as a Public Safety Telecommunicator. Further certifications through the Federal Emergency Management Agency may be obtained.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

AJS 2302: DCE Law and Public Safety

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Law & Public Safety Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
AJS 0300/0301: Law and Public Safety/Security I A/B
AJS 1300/1301: Law and Public Safety/Security II A/B
AJS 2300/2301: Law and Public Safety/Security IIIA/B
Complete Law & Public Safety coherent sequence or recommendation from HS principal designee

Nursing Services Pathway

MED 0241/0242: Medical Foundations A/B

Students will learn basic medical root words, prefixes, and suffixes, which will be highly important in their chosen medical professions. They will also study cytology, integumentary system, skeletal system, muscular system, digestive system, and special senses. During second semester, they will study the nervous system, cardiovascular system, respiratory system, lymphatic system, urinary system, endocrine system, and reproductive system.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Prerequisites
Biology A/B (May be concurrent). Medical Foundations A MUST be taken before Medical Foundations B

MED 0340: Occupations

This semester long course is designed to teach students components of medical occupations. This includes exploration of career planning, job search skills, productivity and accountability, communication skills, leadership and collaboration, technological literacy, problem solving, legal and ethical issues, and wellness philosophies. Students will also do a variety of virtual job shadowing through a computer program that will be used in class.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MEDD 100: DC Medical Law and Ethics

DC Medical Law and Ethics (MEA100) is a Dual Credit Course with MCC for a semester (0.5) high school credit and 3 credits for MCC. This DC course will be used in tandem with HES 113 as part of the CTE Medical Foundations course which is used on the Nursing Pathway.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12

MEDD 113: DC Medical Terminology

DC Medical Terminology (HES113) is a Dual Credit Course with MCC for a semester (0.5) high school credit and 3 credits for MCC. This course will be used in tandem with HES 113 as part of the CTE Medical Foundations course which is used on the Nursing Pathway.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12

Sports Medicine And Rehabilitation Services Pathway

MED 0261/0262: Sports Medicine 1 A/B

This course is designed for students interested in learning how to prevent, assess, and manage athletic injuries. Students interested in pursuing a career such as athletic trainer, physical therapist, nurse, EMT, fireman, police officer, coach, personal trainer or any other sport or medical related field would benefit from the knowledge and skills learned. Emphasis is placed on human anatomy and physiology and the fundamentals of health related careers. Students will be instructed on theory with practical applications as allowed.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Prerequisites
SCI 0131/0132: Biology A/B
Biology A/B (May be concurrent)

MED 0350: Nutrition Sports

The objective of this semester long class is to inform students of all the nutritional values that are important for our everyday life eating habits and all the nutritional myths that are presented to us either through advertising or through inaccurate labeling. Students will also have lessons on character education and how this helps promote our nutritional choices.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MED 0361/0362: Sports Medicine 2 A/B

A continuation of MED 0262. This course will focus more on practical applications of the knowledge gained in MED0262 with supplemental lectures. This course requires participation after school and/or on weekends as necessary.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites

MED 0363/0364: Sports Medicine Lab Assistant A/B

Live job shadow with local health care professionals in various fields including: PT, AT, Personal Trainer and others as available. Students will apply knowledge gained from MED0261/0262 and MED0361/0362 in hands-on activities when working with AT on campus. When off campus with local professionals, will be asked to perform tasks on an as-needed basis and as is allowable by supervisor. Students will gain workplace knowledge and experience in real world health careers. Students will rotate with local providers each quarter, and will be with providers 2 days per week, and with AT the other two days. Students must apply during Junior year and complete application and interview process. Only 2 students per school year will be accepted.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
MED 0361/0362: Sports Medicine 2 A/B

MED 0365: DCE Sports Medicine and Rehabilitation

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Sports Medicine Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
MED 0361/0362: Sports Medicine 2 A/B
Complete Sports Medicine and Rehabilitation coherent sequence or recommendation from HS principal designee

MED 0461/0462: Sports Medicine III A/B

The goal of this course is to prepare the student for a long-lasting and fruitful career as a Certified Personal Trainer (CPT). With this course, the students are given all of the tools and resources needed to become a successful fitness professional and positively impact the health and wellness of clients. The course will cover the following topics: Professional Development and Responsibility, Client Relations and Behavioral Coaching, Basic and Applied Sciences and Nutritional Concepts, Assessment, Exercise Technique and Training Instruction, and Program Design. Students will earn NASM Personal Trainer Certification.

The length of the course is one academic year and the student will earn 1 credit. The course aligns with the AZ CTE Sports Medicine and Rehabilitation program of study.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites

Stagecraft Pathway

DRA 0101/0102: Stagecraft I A/B

Students will receive an introduction to drama as they focus on theatre appreciation through vocabulary, theatre history, and an understanding of backstage elements such as scenic construction, light board operation, sound board operation, costuming and makeup along with safety procedures for each and OSHA certification for construction sites. Students will also be introduced to basic acting styles to help create a well-rounded understanding of theatre arts on stage and backstage.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Fee
$10/semester

DRA 0201/0202: Stagecraft II A/B

This second course is designed to help students further evolve their understanding of acting, and technical production with the inclusion of design and short productions. Stagecraft units include increasingly hands on projects related to various aspects of theatre, and increased time and projects in the scenic shop.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
DRA 0101/0102: Stagecraft I A/B
Fee
$10/semester

DRA 0301/0302: Stagecraft III A/B

This class is designed for hard working and motivated students. In this class students have the flexibility to dedicate their time and studies to particular areas of interest within theatre. Students will be provided with the guidance and resources to ultimately craft their skills in a targeted area.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
DRA 0201/0202: Stagecraft II A/B
Fee
$15/semester

DRA 0320/0321: Stagecraft Lab Assistant A/B

Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12

DRA 0322: DCE Stagecraft

This course utilizes Diversified Cooperative Education (DCE) methodology, one teacher responsible for students within multiple program areas, to combine school-based and supervised work-based learning experiences related to the standards identified for the Stagecraft Program. Students must satisfactorily complete a 60 hour internship for 0.5 high school credits.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
DRA 0101/0102: Stagecraft I A/B
DRA 0201/0202: Stagecraft II A/B
DRA 0301/0302: Stagecraft III A/B
Complete Stagecraft coherent sequence or recommendation from HS principal designee

Electives

Foreign Language

LAN 0101/0102: Spanish 1 A/B

This is a beginning study of Spanish with an emphasis on vocabulary and basic grammar. Spanish 1 must be completed before Spanish 2.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

LAN 0201/0202: Spanish 2 A/B

This is a continuation of Spanish 1 with emphasis on vocabulary, more complex grammar, writing and conversation.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
LAN 0101/0102: Spanish 1 A/B

LAN 0403/0404: American Sign Language II A/B

ASL 2 is a visual-spatial language rather than a spoken one and is taught in a full immersion classroom. It is strictly taught in ASL and voice off environment. The communication emphasis is on expressive skills (signing) and receptive skills (watching and comprehending) in order to understand and communicate with others. ASL 2 students learn to communicate, comprehend, and present on very familiar topics using isolated words and high frequency phrases in the context of Culture, Connections, Community, Comparisons and Communication by expanding on the vocabulary.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12

LANC 101/102: IGCSE Spanish 1 A/B

Cambridge IGCSE Spanish 1 develops a set of transferable skills for understanding and communicating in everyday situations in Spanish. Learners begin to develop cultural awareness of countries and communities where Spanish is spoken. They acquire the essential linguistic skills required for progression to further studies or employment. The syllabus gives students opportunities to develop and apply a wide range of foreign language skills. Candidates will be expected to read and understand a variety of written and spoken texts on familiar topics. Candidates will be required to demonstrate an understanding of the main ideas, opinions and attitudes. They will also have opportunities to write in Spanish on familiar, everyday topics, and to speak the language by taking part in everyday conversations. Students must be highly self motivated to learn the language and culture and willing to sit for the exam.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

LANC 201/202: IGCSE Spanish 2 A/B

Cambridge IGCSE Spanish 2 is a continuation of IGCSE Spanish 1. Students will develop a set of transferable skills for understanding and communicating in everyday situations in Spanish. Learners begin to develop cultural awareness of countries and communities where Spanish is spoken. They acquire the essential linguistic skills required for progression to further studies or employment. The syllabus gives students opportunities to develop and apply a wide range of foreign language skills. Candidates will be expected to read and understand a variety of written and spoken texts on familiar topics. Candidates will be required to demonstrate an understanding of the main ideas, opinions and attitudes. They will also have opportunities to write in Spanish on familiar, everyday topics, and to speak the language by taking part in everyday conversations. Prerequisites include: IGCSE Spanish 1A and IB or Spanish 1. Students must be highly self motivated to learn the language and culture and willing to sit for the exam.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 12
Notes
Check out the Cambridge website for more information: cambridge.org

Guidance

GUI 0200: Teacher Aide

Student assists teacher in carrying out clerical duties. Teacher's Aide will not count for eligibility in AIA sports. May not take with 2 hours of release time.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
Teacher approval, 2.5 cumulative GPA.
Notes
Course can only be taken twice for credit.

GUI 0320: Lab Assistant

Students who have completed a CTE program may serve as lab assistants to complete their work-based learning experience. Students will apply their classroom technical knowledge in a hands-on learning experience with their CTE instructor.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
Teacher recommendation.
Notes
Repeatable for credit.

GUI 0330: Office Assistant

Work in an office on campus: Attendance, Discipline, Guidance, Health, Library, Reception, Student Accounts, Student Assistance Center, or Special Education.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
11, 12
Prerequisites
Office supervisor recommendation, 3.0 cumulative GPA.
Notes
Repeatable for credit.

REL 0010: Release Period 1

Grade Level
12
Notes
Release time forms are available from your counselor and are required.

REL 0080: Release Period 8

Grade Level
12
Notes
Release time forms are available from your counselor and are required.

REL 0120: Release Period 1-2

Grade Level
12
Notes
Release time forms are available from your counselor and are required.

REL 0780: Release Period 7-8

Grade Level
12
Notes
Release time forms are available from your counselor and are required.

Physical Education

PED 0111/0112: PE/Health A/B

All students will participate in various team and individual sports. These classes address: development of a cardiovascular fitness program, the significance of flexibility and howto attain it, and the importance of team play and sportsmanship. All sports will be addressed with a sound, developmental teaching style. Students will participate in a variety of sports, such as, pickle ball, badminton, archery, softball, hockey, football, basketball, volleyball, and soccer as well as pre and post physical fitness testing.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

PED 0142/0144: Cross Training A/B

Cross training is an elective course designed for driven, hardworking individuals. This class will consist of some weight training, speed development, agility, and quickness training, games, competitions, and fun. Different subject matter such as nutrition, body composition, and heart rate will also be taught.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

PED 0220/0232: Weight Training A/B

This course introduces students to all types of resistance training. The class consists of a four-day weightlifting program with emphasis on technique and safety. One day per week is designated for fitness-related activity. This course may be repeated for credit.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
10, 11, 12
Prerequisites
PED 0111/0112: PE/Health A/B

Other Electives

MIS 0130: Drivers Education

This semester long course is designed to help students become safe, knowledgeable drivers. In the course students will learn about the basic traffic laws and rules of the road that apply to common everyday driving situations. They will also be aware of all the defensive driving techniques and strategies, by the completion of this course, students will be ready to take the written portion of the exam for their learners permit exam.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
9, 10, 11, 12

MIS 0160: Athletic Leadership and Success

This semester long course will focus on leadership and sportsmanship and how they relate to athletics. While some effort will be specific to athletes, the course will indeed provide a student with the necessary skills to lead in their community, workplace, and program as an end result. Another main point of focus will be placed in developing and maintaining a positive mindset. Students will gain knowledge into study habits that are unique to athletes, the necessary skills in maintaining good grades during seasonal events, and the importance of a well-rounded, successful student in the college application process.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
9, 10
Prerequisites
Coach recommendation.

SSC 0101: Films of the 20s Through World War II

This semester long class focuses on how films of the 1920s, 30s, and 40s reflected the United States during that time period. We will look at comedies, cartoons and full length movies and study how they represent American history at the time. Topics covered include the Boom to Bust of the 1920s'. New deal programs of the 1930's, and The war years of 1939 through 1945.
Credits 0.5 (0.5 Credits Per Semester)
Grade Level
10, 11, 12

SSCC 200/201: AS Travel & Tourism A/B

Cambridge International AS and A Level Travel and Tourism is ideal forthose seeking to specialize in this subject. The course encourages learners to appreciate the changing nature of travel and tourism and understand the importance of sustainability in the development and management of the industry. This syllabus: enables learners to understand the concepts and theories in travel and tourism and recognize their impact on people, environments and economies develops learners' practical and research skills through planning and organizing an actual tourism event, which will contribute to their further study and working in the industry. This course is recommended for the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

SSCC 340/341: AS Psychology A/B

Cambridge International AS & A Level Psychology is designed to give students an understanding of psychological concepts, theories and research methodology. The syllabus: is suitable for students who have no prior learning in psychology engages with four core areas of psychology: biological, cognitive, social and learning allows students to deepen their knowledge through a choice of two options at Cambridge International A Level from clinical psychology, consumer psychology, health psychology or organizational psychology encourages students to consider the relationships between psychological findings and everyday life This course is recommended for the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org

SSCC 350/351: AS Sociology A/B

In a rapidly changing world, Cambridge International AS and A Level Sociology offers learners the opportunity not only to explore the processes that are shaping current trends, but also to develop an understanding of the complexity and diversity of human societies and their continuities with the past. The study of sociology stimulates awareness of contemporary social, cultural and political issues, and focuses on the importance of examining these issues in a rigorous, reasoned and analytical way. This course is recommended for the AICE diploma through Cambridge.
Credits 1.0 (0.5 Credits Per Semester)
Grade Level
11, 12
Notes
Check out the Cambridge website for more information: cambridge.org