

2024-2025 Course Catalog



HIGH SCHOOL

**Career & Technical Education
Cambridge Academy**

Pathways to Success

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Kingman 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 Kingman 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 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!

Kingman 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.

Kingman 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

Why Career and Technical Education?

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 focus on a specific career area help students obtain 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.

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

CTE Student's Honors Cord: 3.0 GPA in all high school course work

CTE Program Cords: Complete a High School CTE Program Pathway and pass the Technical Skills Assessment (TSA) associated with the pathway.

WAVE Program Cords: Students take 6 courses at MCC or WAVE Fire Academy towards completion of program certificate and pass with a grade of C or better.

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 schedule)
3. be in good academic standing (No Ds or Fs in Cambridge classes)
4. sit for at least one exam for three years (from freshman cohort 2021-2022 who graduate in 2025)

AICE—Grand Canyon Diplomas

The Kingman High School 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 Educación 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 Educativa de 1972, en el Acto de Era de Discriminación 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!

Kingman 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 AZ Merit preparation.

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

Look to the [KHS Website](#) for up to date information.

Contact Information

Kingman High School

4182 N. Bank Street
Kingman, AZ 86409
Phone: 928-692-6480
Isaiah Ward, Principal - 928-692-6414
John Venenga, Assistant Principal/Athletic Director - 928-692-6417
Allie Hickle, Assistant Principal/Special Education - 928-692-6444

Guidance Department - 928-692-6446

Emily Baker
Connie Fitzsimmons
Judy Venenga

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://khs.kusd.org>

<https://www.wavejted.org>

High School Pathways

Agriscience Pathway

Agriscience Pathway Planner

Degree Type High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Electives

Title	Credits	Required
Ag Biology A/B	1.0 (0.5 Credits Per Semester)	
Advanced Ag Biology A/B	1.0 (0.5 Credits Per Semester)	
Agriscience 1 - A/B	1.0 (0.5 Credits Per Semester)	
Agriscience 2 - A/B	1.0 (0.5 Credits Per Semester)	
Ag Welding 1 & 2	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

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**

Business Management Pathway

Business Management Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Electives

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)	
Sub-Total Credits	7	

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**

Cabinetmaking Pathway

Cabinetmaking Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Cabinetmaking Pathway Planner

Electives

Title	Credits	Required
Cabinetmaking 1 A/B	1.0 (0.5 Credits Per Semester)	
Cabinetmaking 2 A/B	1.0 (0.5 Credits Per Semester)	
Cabinetmaking 3 A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

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

Optional related WAVE pathways @ MCC:

- Electrical Technology: Residential Certificate
- Electrical Technology: Commercial/Industrial Certificate
- HVAC: Residential Certificate
- HVAC: Installation 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**

Culinary Arts Pathway

Culinary Arts Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Culinary Arts Pathway Planner

Electives

Title	Credits	Required
Culinary Arts 1 A/B	1.0 (0.5 Credits Per Semester)	
Culinary Arts 2 A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

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

Optional related WAVE pathways @ MCC:

- Food Preparation Certificate
- Baking 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**

Early Childhood Education Pathway

Early Childhood Education Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Early Childhood Education Pathway Planner

Electives

Title	Credits	Required
Early Childhood Professions 1 A/B	1.0 (0.5 Credits Per Semester)	
Early Childhood Professions 2	1.0 (Block Class (2 periods in a row))	
Early Childhood Professions 3	1.0 (Block Class (2 periods in a row))	
Sub-Total Credits	7	

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

Optional related WAVE pathways @ MCC:

- Associate of Arts in Education (prerequisite is AS/DC English 3A)
- 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

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	3	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Graphic Design Pathway Planner

Electives

Title	Credits	Required
Graphic Arts 1 A/B	1.0 (0.5 Credits Per Semester)	
Graphic Arts 2 A/B	1.0 (0.5 Credits Per Semester)	
Computer Info Systems–Dual Credit CIS 110	0.5	
Sub-Total Credits	7	

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**

Nursing Services Pathway

Nursing Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	√
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Biology A/B	1.0 (0.5 Credits Per Semester)	√
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	√
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

Nursing Pathway Planner

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	√
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge 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	√
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Medical Foundations A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	1	

Electives

Title	Credits	Required
Computer Info Systems—Dual Credit CIS 110	0.5	
PSY 101 Psychology	0.5	
Sub-Total Credits	7	

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	
Sub-Total Credits	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	
Sub-Total Credits	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	
Sub-Total Credits	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

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Electives

Title	Credits	Required
Medical Foundations A/B	1.0 (0.5 Credits Per Semester)	
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
IGCSE PE	1.0 (0.5 Credits Per Semester)	
Sports Medicine 1 A/B	1.0 (0.5 Credits Per Semester)	
Advanced Sports Medicine 2 A/B	1.0 (0.5 Credits Per Semester)	
Lab Assistant-Job Shadow	0.5 (Per Semester)	
Sub-Total Credits	7	

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

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Cambridge Courses

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Stagecraft Pathway Planner

Electives

Title	Credits	Required
Stagecraft 1 A/B	1.0 (0.5 Credits Per Semester)	
Stagecraft 2 A/B	1.0 (0.5 Credits Per Semester)	
Stagecraft 3 A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

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**

Welding Pathway

Welding Pathway Planner**Degree Type** High School Diploma

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

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	√
Sub-Total Credits	4	

Math

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 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Integrated Science A/B	1.0 (0.5 Credits Per Semester)	
Biology A/B	1.0 (0.5 Credits Per Semester)	√
Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Anatomy and Physiology A/B	1.0 (0.5 Credits Per Semester)	
Earth Science A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
US History A/B	1.0 (0.5 Credits Per Semester)	√
World History and Geography A/B	1.0 (0.5 Credits Per Semester)	√
Civics or DC Civics (1 semester)	0.5	√
Economics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Cambridge Courses

English

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English 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	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	
DC Intermediate Algebra	0.5 (Per Semester)	
DC College Mathematics	0.5 (Per Semester)	
DC College Algebra	0.5 (Per Semester)	
DC Trigonometry	0.5 (Per Semester)	
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	
Cambridge AS Physics A/B	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	√
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Welding Pathway Planner

Electives

Title	Credits	Required
Ag Welding 1 & 2	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

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

Optional related WAVE pathways @ MCC:

- Fillet Welding Certificate
- GMAW/FCAW Plate Certificate (completion of Fillet Welding certificate)
- GTAW Plate Certificate (completion of Fillet Welding certificate)
- SMAW Plate Certificate (completion of Fillet Welding certificate)
- GMAW/FCAW Pipe Certificate (completion of Fillet + GMAW/FCAW Plate Certificates)
- GTAW Pipe Certificate (completion of Fillet + GTAW Plate Certificates)
- SMAW Pipe Certificate (completion of Fillet + SMAW Plate Certificates)

- 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

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS English Language A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Literature in English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS General Paper A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	4	

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Additional Math A/B (Algebra II)	1.0 (0.5 Credits Per Semester)	√
Cambridge AS/A Level Math A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	4	

Science

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Biology A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	3	

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS US History 9389	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Economics 9708	0.5 (Per Semester)	√
DC Civics	0.5 (Per Semester)	
Sub-Total Credits	3	

Fine Arts or CTE and Electives are required:

Fine Arts or CTE

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	1	

Electives

Title	Credits	Required
Cambridge AS Global Perspectives 9239 A/B	1.0 (0.5 Credits Per Semester)	√
IGCSE Spanish 1 A/B	1.0 (0.5 Credits Per Semester)	
IGCSE Spanish 2 A/B	1.0 (0.5 Credits Per Semester)	
AS/A Spanish 3 and 4	1.0 (0.5 Credits Per Semester)	
IGCSE PE	1.0 (0.5 Credits Per Semester)	
AS Sports & PE	1.0 (0.5 Credits Per Semester)	
Sub-Total Credits	7	

**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

Title	Credits	Required
Cambridge IGCSE First Language English A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Literature in English A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	2	

End of Course Exam Requirements

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

Math

Title	Credits	Required
Cambridge Math Year 1 A/B (IGCSE Algebra I)	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	2	

End of Course Exam Requirements

IGCSE Math: C or higher

Science

Courses

Title	Credits	Required
Cambridge IGCSE Biology 0610 A/B	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE Chemistry A/B	1.0 (0.5 Credits Per Semester)	√
Sub-Total Credits	2	

End of Course Exam Requirements

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

Social Studies

Title	Credits	Required
Cambridge IGCSE American History 0409	1.0 (0.5 Credits Per Semester)	√
Cambridge IGCSE World History 0470	1.0 (0.5 Credits Per Semester)	√
Cambridge AS Economics 9708	0.5 (Per Semester)	√
Sub-Total Credits	2.5	

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

Title	Credits	Required
Choose 1 credit of Fine Arts or CTE courses	1	
Sub-Total Credits	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

Fine & Performing Arts

Core Subjects

English

ELL 101A/102B: ELL Pre/Basic A/B

This course provides English Learners with Targeted Instruction in English. Instruction is driven by Performance Indicators from the English Language Proficiency Standards. AZELLA test scores are used to place students in this class. Elective credit only
Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

ELL 201A/202: ELL Intermediate A/B

This course provides English Learners with Targeted Instruction in English. Instruction is driven by Performance Indicators from the English Language Proficiency Standards. AZELLA test scores are used to place students in this class. Elective credit only
Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

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 approved novels in which they are taught literary elements and figurative language.

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 career and college ready vocabulary. In this sophomore level class, students will experience district-approved novels, as well as a variety of short stories, non-fiction texts, essays, and poetry selections. (Cambridge IGCSE Literature in English 0427 substitutes for this requirement). Completion of this course with a B or above qualifies a student for English Composition 101

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 various literary and informational text. This course is designed to explore practical applications of English skills that include presentations and a "career path research paper." (English 4 AP, Cambridge AS English Language 8287 or DC English 101/102 substitutes for this requirement).

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

12

ENGC 161/162: Cambridge IGCSE First Language English 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: Cambridge IGCSE Literature in English 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: Cambridge AS English Language 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 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: Cambridge 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.

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: Cambridge AS Literature in English 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. This course is recommended for students seeking the AICE diploma through Cambridge.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

12

Prerequisites

C or better in AS English Language. This course is recommended for the AICE diploma through Cambridge.

Notes

(Check out the Cambridge website for more information: cambridge.org) May be dual credit with MCC DC ENG 234/236.

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 0340: Discrete Mathematics with Problem Solving

This class will cover the basic concepts of discrete math which will include: finite graphs, matrices, fair share/ voting methods, and problem solving strategies.

Credits 0.5 (Per Semester)

Grade Level

11, 12

Prerequisites

MAT 0311/0312

MAT 0345: Probability & Statistics

This class will cover the basic concepts of probability and statistics which will include graphing, making predictions, designing and testing hypotheses.

Credits 0.5 (Per Semester)

Grade Level

11, 12

Prerequisites

MAT 0311/0312

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. To increase the odds of success in this course, students should have passed their other 3 years of Math classes with a C or better.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

MAT 0361/0362: Personal Finance A/B

This class is a real life approach to understanding your money. This course uses a lot of projects to help you make sense of the topics in your own way. Personal Finance A covers spending, saving, credit, searching for a job, net pay and making a career portfolio. Personal Finance B includes taxes, insurance, retirement, cars, houses and budgeting.

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 (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 (Per Semester)

Grade Level

11, 12

Prerequisites

Integrated Math 3 A/B or Cambridge Additional Math A/B

MATC 161/162: Cambridge Math Year 1 A/B (IGCSE Algebra I)

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: Cambridge IGCSE Math Year 2 A/B (IGCSE Geometry) 1

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

12

Notes

Check out the Cambridge website for more information: cambridge.org

MATC 361/362: Cambridge IGCSE Additional Math A/B (Algebra II)

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 for their 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: Cambridge AS/A Level 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. 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 (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 (Per Semester)

Grade Level

11, 12

Prerequisites

Integrated Math 3 A/B or Cambridge Additional Math A/B

RPTMATH 010: Math-Elective

This course provides additional math instruction over concepts from Integrated Math 1. Students are placed in this course based on their 8th grade End of Year Benchmark Assessment. Elective Credit only.

Credits 0.5

Grade Level

9, 10, 11, 12

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 needs of the students.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

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 per 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 Universe 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

SCI0131 or SCI0112.

Fee

\$5 per 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

MAT 0111/0112 and SCI0132.

Fee

\$5 per semester.

SCI 0271/0272: Physics A/B

Physics is the study of the description and explanation of the motion of objects. Topics include kinematics, basic dynamics, work and energy, momentum, and the composition and resolution of vectors as well as simple machines, circular motion, gravitational mechanics, wave theory, sound, light, geometric optics, and physical optics. Laboratory and problem solving techniques are emphasized.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

Prerequisites

MAT 0311/0312 (may be concurrently enrolled).

Fee

\$5 per 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

SCI0132 and SCI0262.

Fee

\$5 per semester

SCIC 161/162: Cambridge IGCSE Biology 0610 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 studies 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

Fee

\$5 per semester.

Notes

Check out the Cambridge website for more information: cambridge.org

SCIC 261/262: Cambridge 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 through a mix of theoretical and practical studies, develop an understanding of the scientific skills essential for further study, skills 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

\$5.00 per semester.

Notes

Check out the Cambridge website for more information: cambridge.org

SCIC 271/272: Cambridge AS 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

SCIC 361/362: Cambridge AS Chemistry A/B

Cambridge International AS & A Level Chemistry develops a set of transferable skills including handling data, practical problem-solving and applying the scientific method. Learners develop relevant attitudes, such as concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness. They acquire the essential scientific skills required for profession to further studies or employment. 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: Cambridgeinternational.org Science courses meet Arizona universities lab science admissions requirements.

SCIC 371/372: Cambridge 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

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

SSC 0450: Civics

The history and heritage of the government and Constitution of the United States. The roles of the three branches of federal government, and state and local governments; as well as economics. This is a required course for graduation. May be offered as dual credit with MCC POS120 1 semester only.

Credits 0.5 (Per Semester)

Grade Level

12

SSC 0460: Economics

This course is 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. 1 semester only.

Credits 0.5 (Per Semester)

Grade Level

12

SSCC 0480: Cambridge AS Economics 9708

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 required for Arizona's Grand Canyon High School Diploma.

Credits 0.5 (Per Semester)

Grade Level

12

Notes

Check out the Cambridge website for more information: cambridge.org

SSCC 161/162: Cambridge IGCSE World History 0470

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 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 261/262: Cambridge IGCSE American History 0409

Cambridge IGCSE American History (US) offers candidates the opportunity to discover key issues, ideas, people, and events that shaped the emergence and development of the U.S.A, from the mid-18th century to the start of the 21st century. In doing so, it develops an understanding of the present as well as the past. The course enables learners to study American history through the use of original historical sources, objects, and visits to local sites. This course promotes development of lifelong skills such as research, critical analysis, and communication. Throughout this course, acquisition of historical knowledge is underpinned by an investigative approach. 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

SSCC 301/C302: Cambridge AS Global Perspectives 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. This course is required for the AICE diploma through Cambridge.

Notes

Check out the Cambridge website for more information: cambridge.org

SSCD 371/372: Cambridge AS US History 9389

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 HIS131/132

SSCD 450: DC Civics

Credits 0.5 (Per Semester)

Grade Level

11, 12

Prerequisites

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. Appropriate college placement score applies.

CTE

Agriscience Pathway

AGR 0103/0104: Ag Biology A/B

Students in this Agriculture related course will learn how agriculture plays a role in the U.S. and world economy. Students will get "hands on" instruction in preparation in the areas of cell respiration & growth, genetics, taxonomy, microorganisms, animal health, animal nutrition, animal growth and evolution. This course is designed to meet all AZ Biology Standards. This is a Career and Technical Education class which requires student membership in the FFA, an Agriscience Youth Leadership organization and for students to have an SAE (Supervised Agriculture Experience) which involves opportunities for students to learn how to run businesses or participate in careers in the diverse Agriculture Industry.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Fee

\$20/semester

AGR 0211/0224: Ag Welding 1 & 2

This course is designed to expose students to the design, fabrication and assembly of metal products and their marketing in today's high-tech marketplace. It also introduces MIG welding. Hands-on activities include metal fabrication, welding and projects involving welding, production assembly, and project construction.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Fee

\$20/semester

Notes

Limited enrollment.

AGR 1201/1202: Advanced Ag Biology A/B

This course is designed to introduce students to the fundamentals of animal anatomy, physiology, genetics, reproduction, growth, nutrition, health, and agribusiness principles. This is a Career and Technical Education class which requires student membership in the FFA, an Agriscience Youth Leadership organization, and for students to have an SAE (Supervised Agriculture Experience) which involves opportunities for students to learn how to run businesses or participate in careers in the diverse Agriculture Industry.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Prerequisites

Ag Biology

Fee

\$20/semester

Notes

Successful completion of Ag Bio and Adv. Ag Bio can count towards 1.0 Science credits required for graduation.

AGR 1301/1302: Agriscience 1 - A/B

This course deals with advanced science principles in agriculture. Plant and Animal Biological concepts are further explored and projects related to course content are demonstrated through SAEs, including live shows, science fairs, and independent research. Continued leadership practice through FFA are advanced. FFA enrollment is automatic.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

Prerequisites

Advanced Ag

Fee

\$20/semester

AGR 1401/1402: Agriscience 2 - A/B

A capstone-type course for students advancing their understanding of Ag Science, Ag Technology, Ag Leadership and or Ag Communications. Students will be very active in leading FFA activities, attending FFA conferences, and successful CDE competitions. College and Career preparation is emphasized. FFA enrollment is automatic.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

12

Prerequisites

AgriScience 1

Fee

\$20/semester

Horticulture A/B: Horticulture A/B

Students in this Agriculture course will learn how horticulture impacts people, places, and things. Students will get "hands on" instruction in plant science, plant production, harvesting, propagation, irrigation, effects of sunlight, water, air, temperature, plant growth regulators on plants. Greenhouse management, and automation enhances the students understanding of plant and crop production.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Fee

\$20/semester

Business Management Pathway

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

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

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

Business Management 1, Business Management 2

Cabinetmaking Pathway

IND 0103/0104: Cabinetmaking 1 A/B

Learn basic woodworking skills, including: shop etiquette, safe use of machines and hand tools, assembly process and finishing techniques. Student built projects will enhance all learned skills.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Fee

\$25.00 per semester

IND 0203/0204: Cabinetmaking 2 A/B

This year long course will utilize intermediate woodworking skills including: joinery techniques, machinery applications, technical assembly processes, and advanced finishing techniques. Student projects and enterprise activities will enhance all processes. CNC programming and operations will also be offered both semesters.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Prerequisites

Cabinetmaking 1 and instructor approval.

Fee

\$10.00 per semester, plus students will supply own materials to construct individual projects.

IND 0303/0304: Cabinetmaking 3 A/B

This course will utilize advanced woodworking skills including: joinery techniques, machinery applications, technical assembly processes, and advanced finishing techniques. Student projects and enterprise activities will enhance all processes. CNC programming and operations will also be offered both semesters.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

Prerequisites

Cabinetmaking 2 and instructor approval.

Fee

\$10.00 per semester, plus students will supply own materials to construct individual projects.

Culinary Arts Pathway

CUL 0231/0232: Culinary Arts 1 A/B

This course emphasizes meal planning for good nutrition and preparation of a variety of foods. Kitchen sanitation and safety, tools and appliances, cooking terms, following recipes, and preparation of the basic food groups are included. Students will also learn about the food service industry.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Fee

\$25/semester

CUL 0331/0332: Culinary Arts 2 A/B

This advanced class is for the student wishing to pursue a career in the food service industry. Many advanced techniques and fine tuning of skills are taught. The art of preparing pastries, soups, sauces, and classical cuisine are just some of the things taught in this class. This class provides students with additional industry training including the operation of commercial equipment, and mastery of kitchen tools & knives. The students will master proper table service as well as the art of customer service through catering.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Prerequisites

Culinary Arts 1

Fee

\$25/semester

CUL 0350: Culinary Nutrition

This course is a study of human nutrition and the effects of diet on the health of the individual. This term covers intro to nutrition, dietary planning, nutrient groups, diet therapy, nutrition throughout the life cycle, and disease management.

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

Early Childhood Education Pathway

ECP 0111/0112: Early Childhood Professions 1 A/B

Start today to make your life extraordinary by learning to work with small children. We will start the year looking at what it takes to work with small children. Professionalism in the work place, values, goal setting and communication skills. We will discuss child development theory, prenatal development including labor and delivery and will lastly move into child development from birth through age 8. The knowledge and skills gained in this class are necessary for life as a mature caring adult and will teip prepare you for a career in the field, the more we know the better prepared we can be.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

ECP 0211: Early Childhood Professions 2

In the second year of the ECP program of study, students will learn how to care for and promote development in young children. Students will do observations and projects. Students will also do a more in depth study relating to child development along with hands-on projects like story telling, puppetry, and healthy snacks. A variety of professions working with young children are discussed.

Credits 1.0 (Block Class (2 periods in a row))

Grade Level

10, 11, 12

Prerequisites

Early Childhood Professions 1

ECP 0310: Early Childhood Professions 3

The ECP 3 course uses the competencies from the national Child Development Associate (CDA) program. In this course, students will continue their study of child development. Students will plan and participate in hands-on experiences with children ages 0-5, along with cleaning duties and life skills that apply to a work site on a daily basis. Lifelong guidelines are the focus for high school students and young children. Students will complete reading/writing assignments that relate to children and families. This course is repeatable for credit.

Credits 1.0 (Block Class (2 periods in a row))

Grade Level

10, 11, 12

Prerequisites

Early Childhood 2

Fine And Performing Arts Pathway

MUS 0101: Flag Line

This course is designed to provide specialized instruction for members of the KHS Color Guard. Students will develop equipment manipulation techniques (flag, rifle, etc.) as well as elements of dance, character development and portrayal. Students will also develop techniques in marching and teamwork. Audition Required for competition but not to enroll in the class. (Fall Semester only)

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

MUS 0110: Band Percussion A/B

The ensemble is designed to provide specialized instruction for percussion students. Students will have the opportunity to develop percussion performance techniques on the numerous instruments of the percussion family. Fall classes will focus on Battery and Front Ensemble performance for marching band. The remainder of the class will focus on percussion section additions to Wind Ensemble and Concert Band literature as well as stand alone percussion ensemble literature

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

MUS 0120/0122: Concert Band A/B

The premier concert performance ensemble of KHS. The goal is to provide students with the opportunity to develop and refine musicality and technical skills that will enable them to perform a wide variety of band literature at the grade 3-5 level of difficulty. Students will focus on personal mastery of instruments and the increase in quality of tone production, intonation, ensemble balance, technical and lyrical interpretation of music. Performances will include School Concerts, state and local tours, Regional, State and District Band Festivals. Previous instrumental experience is required.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

MUS 0140: Band Jazz 1

Traditional Jazz Big Band for advanced music students who wish to learn to express themselves through various musical styles such as rock, jazz and Latin. Emphasis is on ensemble playing and improvisation. (Spring Semester only)

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

MUS 0150/0152: Concert Choir

This choir is open to the general population of KHS to allow students to sing and develop a respect for and an interest in different types of music. The student will learn the basics of music theory to include notation, dynamic markings, tempo and rhythm markings, major/minor scale structure, key signatures, interval and choral structures.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

MUS 0160/0172: Guitar A/B

This course is designed as an introduction to Guitar Performance and technique. Students will learn basic music notation and theory as well as a beginning understanding of guitar performance. This class will focus on individual performance of the guitar and musicality with some small ensemble performance. This is an Introductory class for students with little to no guitar experience.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Graphic Design Pathway

INF 0119/0120: Graphic Arts 1 A/B

Students start with this introductory course that will combine several elements of traditional and commercial art. 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. 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

\$15.00/semester

INF 0121/0122: Graphic Arts 2 A/B

Students will explore and understand the various digital media and technologies including technology 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 0151/0152

Fee

\$10/semester

Nursing Services Pathway

CUL 0350: Culinary Nutrition

In this semester long course, students will study of human nutrition and will help you focus on your personal nutrition and tie effects of diet on the health of the individual. This semester class covers intro to nutrition, dietary planning, portion sizes, nutrient groups and nutrition throughout the life cycle. Natural foods vs. process foods and disease management.

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

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 (May be concurrent). Medical Foundations A MUST be taken before Medical Foundations B

MED 0340: Occupations

In this semester long course, students will study health care facilities and various medical occupations, develop workplace communication skills, learn basic job skills, and experience job shadowing. Students will set wellness, occupational and further educational goals.

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

Sports Medicine And Rehabilitation Services Pathway

GUI 0320: Lab Assistant-Job Shadow

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. Student must apply during Junior year and complete application and interview process. Only 2 students per school will be accepted.

Credits 0.5 (Per Semester)

Grade Level

10, 11, 12

Prerequisites

Sports Medicine 1 A/B AND Sports Medicine 2 A/B

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

10, 11, 12

Prerequisites

Biology (May be concurrent)

MED 0361/0362: Advanced 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

11, 12

Prerequisites

Sports Medicine A/B

Stagecraft Pathway

DRA 0100/01002: Drama A/B

Introduction to Theatre. Whether you were a born drama queen or an introvert looking to break out of your comfort zone, this class is ideal for mastering the art of public speaking and performance. Fall Semester will cover all the fundamentals, including, but not limited to, History of Theatre, Stage Directions, Audition Techniques, vocal control, movement, characterization, memorization, and improvisation. We will write and perform our own monologues, scenes, and even short scripts. Spring Semester will focus on the specialized skills of theatre, such as accents, stage combat, and musical theatre. The course will culminate in an in-class production, performed for the school.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

DRA 0101/0102: Stagecraft 1 A/B

Introduction to Technical Theatre. If you prefer to hide in the shadows, rather than stand in the spotlight, this is the class for you. Focusing on the skills you need to run tech for events in and out of schools, Fall Semester will include a tour of the facility, how to operate lights, sound, and spotlights, and how to hang objects and safely fly them onstage. In addition, there will be project based units such as special effects makeup and sewing. Spring Semester will focus on painting techniques, stage management, hand and power tools, and dramaturgy.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Fee

\$10/semester.

DRA 0201/0202: Stagecraft 2 A/B

Intermediate Technical Theatre. Fall Semester will build on the skills of Stagecraft I, covering additional topics such as building doors, stairs, and revolving platforms, tying knots, and preparing for Regional and State Competition. Students will also complete the OSHA 10-Hour General Industry Certification in this class. In Spring Semester, the focus will be on design and production, with students choosing their own play to create a production book and design portfolio for, and the opportunity for one designer to student direct an in-class production.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Prerequisites

Stagecraft 1

Fee

\$10/semester.

DRA 0301/0302: Stagecraft 3 A/B

Advanced Technical Theatre. With a college and career focus, the students of Stagecraft III spend class time building the sets for all productions at KHS, operating lights and sound for events in the KHS Auditorium, researching colleges and degrees (or business internships and certifications for employment) suitable for the students' chosen career, and completing independent projects around the theatre. There are also internship opportunities available to Stagecraft III students with our industry partners.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

11, 12

Prerequisites

Stagecraft 2

Fee

\$15/semester.

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 0113/0114: Korean 1 A/B

This introductory Korean course familiarizes students with Hangul (the phonetic system), basic grammar, foundational vocabulary, discourse, reading, and culture. Also, this beginning course helps students build basic language skills—speaking, hearing, reading, and writing—plus broaden their understanding of Korean culture and communicate simple ideas in Korean.

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

Spanish 1

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

10, 11, 12

Notes

Check out the Cambridge website for more information: cambridge.org

Foreign Language

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

LANC 305/306, 405/406: AS/A Spanish 3 and 4

Cambridge AS/A Spanish offers students an opportunity to gain lifelong skills in learning Spanish, including the ability to communicate confidently and clearly; a sound understanding of the nature of language and language study, and of the skills and abilities required for further study, work and leisure; insight into the culture and contemporary society of countries where the Spanish language is spoken; better integration into the communities where Spanish is spoken, positive attitudes towards language learning, towards the speakers of other languages, and towards other cultures and societies. Skills which can be used in other areas of learning, such as analysis and memory skills. Prerequisites include: Students must be highly self-motivated to learn the language and culture and willing to sit for the exam. Completion of IGCSE Spanish 1 and 2 or instructor approval. This course is recommended for the AICE diploma through Cambridge.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

Notes

Check out the Cambridge website for more information: cambridge.org

Guidance

GUI 0200: Teacher Assistant

Student aides will assist teachers in carrying out clerical duties. May not take with 2 hours of release time.

Credits 0.5 (Per Semester)

Grade Level

10, 11, 12

Prerequisites

Teacher approval, 2.0 cumulative GPA Maximum 2 semesters

GUI 0210: Student Assistant

Student assistants will be assigned to work with a teacher in the Special Education Department, assisting a special education student. The student assistant will help to improve his/her basic academic skills. The class may be repeated for credit.

Credits 0.5 (Per Semester)

Grade Level

10, 11, 12

Prerequisites

Teacher/Counselor recommendation.

GUI 0320: Cte 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 (Per Semester)

Grade Level

11, 12

Prerequisites

Teacher recommendation 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 (Per Semester)

Grade Level

11, 12

Prerequisites

Office supervisor recommendation, 3.0 cumulative GPA. Repeatable for credit.

REL 0010: Release Time Period 1**Grade Level**

12

REL 0080: Release Time Period 8**Grade Level**

12

REL 0120: Release Time Period 1 & 2**Grade Level**

12

REL 0780: Release Time Period 7 & 8**Grade Level**

12

Notes

Release time forms available from your counselor.

Physical Education

PED 0140: Cross Training

Students will get a variety of fitness-based experiences. Each day of the week focuses on a different aspect of physical fitness including cardio respiratory, endurance, weight training, and fitness-based circuit training. Various aspects of hydration and nutrition will be researched. This class can be repeated for credit, however, it can only be taken once per academic year unless written approval is given by instructor.

Credits 0.5 (Per Semester)

Grade Level

9, 10, 11, 12

Notes

All PE classes require appropriate athletic attire and \$5 class fee per semester.

PED 0210: A/B PE Advanced Co-Ed

This course is designed to give a basic foundation in PE by exposing students to team and individual sports, with different sports featured each semester. This course can be repeated for credit.

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 weight-lifting program with emphasis on technique and safety. One day per week is designated for fitness-related activity. It may be repeated for credit.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

10, 11, 12

PEDC 111/112: IGCSE PE

A Cambridge PE course for freshmen and sophomore students with an interest in athletics, sports medicine, athletic training and coaching, physical therapy or even medicine. Students will develop their knowledge and understanding physical performance in a modern world; apply this knowledge and understanding to improve their performance; perform in a range of physical activities, developing skills and techniques, and selecting and using tactics, strategies and/or compositional ideas; understand and appreciate safe practice in physical activity and sport; understand and appreciate the benefit of physical activity and sport for health, fitness and well-being and much more.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

PED C211/212: AS Sports & PE

For sophomore, juniors, and seniors with an interest in athletics, sports medicine, athletic training and coaching, physical therapy, or even medicine. This new Cambridge AS level Sports and Physical Education course is just what you need to get a strong foundation. This is an active course with the credibility of Cambridge curriculum which includes: applied anatomy, exercise physiology and biomechanics; an understanding of the structure, functions and interrelationships between the skeletal, muscular, circulatory and respiratory systems that is essential to analyze how the human body moves in sporting situations and to explain how it adapts to exercise; biomechanics, sports performances, technology, and sociocultural influences.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

Other Electives

MIS 0120/0122: Student Council

Student Council is designed for motivated students who strive to improve the school environment through leadership and dedication. It is a year-long commitment that requires involvement in and out of school. This includes, but is not limited to: set-up/ clean-up and attendance at ALL Student Council sponsored events, active participation in classes and school events, organizational skills and the knowledge of ALL school activities, as well as having a great attitude and ambition to take on challenge. Student Council members are held to the highest standards and should be role models to their peers. There is a GPA requirement to remain in the class as well as a Code of Conduct that every member abides by. Acceptance requires an application and interview process. Elective credit only. Offered during BARK.

Credits 1.0 (0.5 Credits Per Semester)

Grade Level

9, 10, 11, 12

YBK 0101/0102: Yearbook

The students are responsible for putting together the KHS Yearbook. Students are expected to be self-motivated and prepared to work after school and on weekends as needed to complete the yearbook. Students will learn about researching and writing copy, proofreading, designing layouts, taking photographs, selling ads, and journalism skills. Following completion, student must organize distribution of the books. Elective credit only. Offered during BARK. Application required.

Credits 0.3 (Per Semester)

Grade Level

9, 10, 11, 12