

Davis County High School

Course Description Manual
2011-2012

Dear Student and Parent,

This course guide has been designed to assist students and parents in making the best possible decisions regarding educational programs at Davis County High School. Please give a great deal of thought to course selections for next year and make decisions based upon abilities, interests and future plans.

Here are some points of interest to consider when choosing a class schedule:

- Students are required to meet the requirements for graduation as determined by the local Board of Education. This includes 4 years of English, 3 years of Math and Science, 3 ½ years of Social Studies, as well as Physical Education, Health and Computer Applications.
- The number of sections for each class is based upon pre-registration and courses could be eliminated from the schedule due to low interest.
- The descriptions in this guide are brief. If the content of a particular course is unclear, please feel free to contact teachers in that department for further information. As counselor, I can also help.
- Davis County High School offers several IHCC college credit courses. These courses are demanding and require strong academic skills, but they also enable students to get a head start on earning college credits while in high school. **If a student fails an IHCC course, they forfeit registration for any future IHCC course.**
- Other than courses required for graduation by our local Board of Education, the school does not dictate what courses a student will take. The school may give guidance, *but the ultimate decision rests with the student and parent.*
- Pre-registration materials will be distributed during student class time, but students will have the option to register for classes online at their discretion. I will be available to answer questions students may have.

I look forward to talking with you and your son or daughter about their future. If you have additional questions, though, please feel free to give me a call at 664-2200, extension 1129.

Sincerely,

Marla Wilfawn, High School Guidance Counselor

REGENTS ADMISSIONS INDEX

Students from Iowa high schools planning to begin their studies in fall 2009 or later must have a Regent Admission Index score of at least 245 *and* take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at The University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success at regent universities: ACT or SAT test score, high school rank, high school cumulative grade-point average, and the number of completed high school core courses.

Below is the RAI equation:

$$\begin{array}{rcl} \mathbf{RAI} = & \mathbf{\text{percentile class rank}} & \mathbf{\times 1} \\ & \mathbf{+ ACT composite} & \mathbf{\times 2} \\ & \mathbf{+ number of core courses completed} & \mathbf{\times 5} \\ & \mathbf{+ high school GPA} & \mathbf{\times 20} \end{array}$$

Note: For purposes of calculating the RAI, ACT composite score has a top value of 36 (SAT scores will be converted to ACT composite equivalent); high school rank is expressed as a percentile with 99% as the top value; high school GPA is expressed on a 4-point scale; and number of high school courses completed in the core subject areas (English, math, science, social studies and foreign language) is expressed in terms of years or fractions of years of study.

Most four-year universities and colleges require a standardized admission test, usually the ACT or SAT. Two-year colleges often require a similar test that they may administer themselves, often called the COMPASS test.

**Suggested Davis County Courses
For Admission to Four-Year Colleges**

English

4 Years to include: American Literature, Communications and College Prep Composition

Science

3 – 4 Years to include Chemistry

Those wishing to major in science, engineering or architecture should also take physics. Anatomy and Physiology is highly recommended for those entering health-care fields of study.

Social Studies

3 – 4 Years

Those interested in education or a health-related career should take psychology. Accounting and economics are suggested for those interested in majoring in business.

Foreign Language

At least 2 Years of a foreign language is required

Some schools exempt you from taking a language in college if you have successfully completed four years of high school foreign language.

Math

3 – 4 Years to include Algebra II

Those interested in pursuing careers in science, math, engineering or architecture need additional courses including trigonometry, College Algebra and Calculus.

Davis County High School Core Course Pathways

9th Grade

English Foundations /**English I**
Gen Math or PreAlg/**Alg I**/Geom
Geography
Basic Sci/**Gen Sci**/Biol
Computer Applications & Health
Physical Education or Weights
Electives

11th Grade

English II/**Am Lit & Comp or Conflict & Heroes
or Eng III**

PreAlg or Alg I or Geom or Cons Math or Math
for Liberal Arts/**Alg II & Trig**/College Algebra
American History
Biol/Chem or Anat & Phys or Biotech or Ia Sci/
Chem or Anat & Phys or Chem II or Physics
Physical Education or Weights
Electives

10th Grade

English I/**English II**
App Math or PreAlg or Alg I/**Geom**/Alg II & Trig
World History
Gen Sci/**Biol**/Chem or Anat & Phys
Physical Education or Weights
Electives

12th Grade

Conflict & Heroes or Eng III/**Conflict & Heroes or
Am Lit & Comp or College Prep Comp &
Speech**

Cons Math or Geom or Math for Liberal
Arts/**College Algebra**/THCC Calculus
Government
Chem or Anat & Phys or Biotech or Ia Sci/**Chem II
or Biotech or Ia Sci** /Chem II or Physics
Physical Education or Weights
Electives

Black—General Education—Employment or admission to 2-year colleges or Vo-Tech programs

Black—Admission to 4-year college or university with no Math or Science emphasis

Outline—Admission to 4-year college or university with a Math and Science emphasis

Suggested Electives for Career Clusters

Agricultural Sciences

Ag I & II
Ag Business Management
Ag Horticulture
Ag Mechanics
Small Gas Engines
IHCC Animal Science
IHCC Ag Marketing
Career Readiness
Work Experience

Health Sciences

Career Readiness
Life Management
Anatomy & Physiology
IHCC Medical Terminology
IHCC Nursing Essentials I
Work Experience
Advanced Health & Health Promotions

Fine Arts

Music: Band, Chorus, Music Theory
Visual Arts: Design & Drawing
 Art I, II & III, Painting,
 Advanced Art
Work Experience
Career Readiness

Construction

Intro to Industrial Technology
Industrial Technology Computer Modules I & II
Plastics
I Introductory & Advanced Woodworking
House Wiring
Carpentry
Computer Aided Drafting (CAD)
Career Readiness
Work Experience

Information Technology/Computer/Business

General Business
IHCC Intro to Computers
Career Readiness
Computer Programming Using Oracle
Desktop Publishing
Accounting
Advanced Accounting
Entrepreneurship
Business Law
Work Experience

Guidelines for Class Registration

1. Students *must* enroll for six credits plus Physical Education or Weights each semester.
2. Alternate choices are important because some classes have limited enrollment.
3. If a course has a pre-requisite, only enroll if you have met this requirement.
4. **Remember graduation requirements:**

Language Arts	8 credits	
Math	6 credits	
Science	6 credits	to include Biology
Social Studies	7 credits	to include Geography, World & American Hist., & Gov't
Computer	1 credit	Computer Applications
Health	1 credit	Health 9
PE	2 credits	
<u>Electives</u>	<u>17 credits</u>	
Total for Graduation	48 credits	

The responsibility for earning 48 credits and completing all graduation requirements belongs to the student.

2011-2012 Course Listing

Course #	Course Name	# Credits	Course #	Course Name	# Credits
04	Work Experience	1	53	Algebra I	2
07	English Foundations	2	54	Applied Math	2
08	English I	2	56	Algebra II	2
09	English II	2	57	Geometry	2
10	English III	2	58	IHCC College Algebra	2
11	American Lit & Comp	2	59	IHCC Calculus I	2
12	College Prep Composition	1	60	Trigonometry	1
14	Communications	1	61	Basic Science	2
15	Publications	2	62	General Science	2
17	Extended Learning 9-12	1	67	Biology I	2
18	Conflict in Lit	1	68	Biotechnology	1
19	Heroes in Lit	1	69	Chemistry	2
20	Civil War	1	71	Chemistry II	1
21	WWII	1	72	Physics	2
23	Spanish I	2	74	Anatomy and Physiology	2
24	Spanish II	2	77	Iowa Science	1
25	Spanish III	2	80	Health Concepts 9	1
26	Spanish IV	2	81	Physical Education 9 & 10 – Sem 1	.25
39	Business Economics	1	82	Physical Education 9 & 10 – Sem 2	.25
40	Geography	1	83	Physical Education 11 & 12 - Sem 1	.25
41	World History	2	84	Physical Education 11 & 12 –Sem 2	.25
42	American History	2	85	Weights	.50
43	American Government	2	86	Adv Health & Health Promotions	1
45	Sociology	1	87	IHCC – Medical Terminology	1
46	Psychology	1	88	IHCC – Nursing Essentials	1
48	IHCC Calculus II	1	91	Ag Education I	2
49	IHCC Math for Liberal Arts	2	92	Ag Education II	2
50	General Math	2	93	Ag Horticulture	2
51	Pre-Algebra	2	95	Ag Mechanics	2
52	Consumer Math	2			

Course #	Course Name	# Credits
96	IHCC Animal Science	1
97	IHCC Ag Marketing	1
98	Ag Occupations	1
99	Ag Business Management	1
100	Small Gas Engines	1
101	Industrial Tech Computer Mods I	1
102	Industrial Tech Computer Mods II	1
103	Intro to Industrial Technology	1
104	Introductory Woodworking	2
106	Computer Aided Drafting (CAD)	1
109	House Wiring	1
111	Plastics	1
112	Advanced Woodworking	2
113	Carpentry I	1
118	Computer Applications	1
119	Desktop Publishing	1
121	Computer Programming Using Oracle	1
122	IHCC Intro to Computers	1
123	General Business	1
124	Accounting	2
125	Advanced Accounting	2

Course #	Course Name	# Credits
126	Business Law	1
127	Entrepreneurship	1
129	Design & Drawing	1
130	Art I	1
131	Art II	1
132	Art III	1
133	Painting	1
134	Advanced Art	2
135	Vocal Music	2
136	Music Theory	1
137	Band	2
141	Basic Life Skills	1
142	Child Development/Parenting	1
143	Child Development/Parenting II	1
145	Career Readiness	1
146	Food & Nutrition I	1
147	Food & Nutrition II	1
148	Life Management	1
150	Early Childhood Occupations	1
200	Davis County Alternative Program/SH	1
210	Special Class With Integration (SCI)	1
220, 230, 240, 270	Resource Study Hall	1

Course No. & Name	Department	Length	Grade
4 Work Experience This is an applied learning course that allows students to experience entry-level jobs. <i>Exploring careers is a suggested pre-requisite, but not required.</i>	Vocational	Semester	12
7 English Foundations The following areas of study are reviewed: reading, writing, speaking, listening, note-taking, career exploration and beginning literature (short stories and poetry). Evaluation is based on objective and essay testing, as well as daily application through the student's work.	Language Arts	Year	9
8 English I Students are instructed in the following areas of study: grammar and sentence development, paragraph writing, spelling & vocabulary development, and using research materials & library skills. An introduction to reading and interpreting literature, with a strong emphasis on the development of the short story, will also be included.	Language Arts	Year	9-10
9 English II Students will practice communication skills in the areas of reading, writing, speaking and thinking. Assessment will be based on objective tests, completed homework, written work and class participation.	Language Arts	Year	10-11
10 English III English III emphasizes self-expression and basic interpretation of literature. The course focuses on cultivating good speaking and writing habits that will allow the student to meet entry-level job standards. This course is designed for the student who does not plan to pursue a four-year college degree.	Language Arts	Year	11-12
11 Am Lit & Comp American Literature & Composition is an advanced reading and composition class designed for those who wish to be more adequately prepared for the rigors and expectations of college-designed English curriculum. The chronology of United States literature from Native American to present-day authors will be studied. Students are expected to analyze characterization, style and theme. <i>Pre-requisite: English II</i>	Language Arts	Year	10-12

Course No. & Name	Department	Length	Grade
12 College Prep Composition A course designed for the college-bound student focusing on expository writing skills, conducting research (APA style), and literary criticism. Writing activities will demand critical thinking skills. <i>Prerequisite: Am Lit & Comp.</i>	Language Arts	Semester	12
14 Communications Designed to help the college-bound student develop a healthy attitude toward public speaking, aid in the communication of thoughts and feelings, and to recognize the importance of effective communication skills.	Language Arts	Semester	12
15 Publications This course may be taken both the junior and senior year of high school. This laboratory course is responsible for the construction and marketing of the school yearbook. Students must possess computer, writing, design and communication skills. <i>Prerequisite: Desktop Publishing and instructor approval.</i>	Business Education	Year	11-12
17 Extended Learning 9-12 An elective class designed for motivated students. Projects may include AP (Advanced Placement) courses, independent study, online courses, film projects and leadership skills. <i>Students must apply.</i>	Honors	Semester	9-12
18 Conflict in Lit This semester long English course examines conflict in a variety of settings: war, athletics, society, individuals, etc. Students will read and view thematic-based works, as well as write and speak in response to what they've read and viewed. <i>Prerequisite: English II</i>	English	Semester	11-12
19 Heroes in Lit This semester long English course focuses on five different hero types. Students will read and view selections that help them define and explore each of these types, as well as write and speak in response to what they've read and viewed. <i>Prerequisite: English II</i>	English	Semester	11-12
20 Civil War This junior-senior elective course will survey the American Civil War from primarily a military standpoint, although cultural, social, moral, psychological and political issues will also be included.	Social Studies	Semester	11-12

Course No. & Name	Department	Length	Grade
21 WWII This semester course will survey the involvement of the United States in World War II. Lecture, video, and research will be the instructional tools, and evaluation will include quizzes, exams, and mini-research papers.	Social Studies	Semester	11-12
23 Spanish I Students are introduced to the Spanish language and culture with an emphasis on listening and speaking the language. Basic Spanish verbs are used in the present tense in order to talk about topics including the family, school, calendar, weather and daily activities. An introduction to the Hispanic culture is also given.	Foreign Language	Year	9-12
24 Spanish II Spanish II continues with more study of verbs, expanding to include the ability to talk about past events. Some of the topics include family celebrations, vacations, house, and food and school life. The cultural component features the country of Mexico.	Foreign Language	Year	10-12
25 Spanish III A more complex study of the Spanish language including the use of another past tense and the ability to talk about the future and what could happen. Vocabulary units feature daily and weekend activities, favorite pastimes, future plans and clothing. Reading and writing in Spanish are increased in addition to listening and speaking. The cultural focus is Spain.	Foreign Language	Year	11-12
26 Spanish IV An elective course focusing on all four necessary components of foreign language study: listening, speaking, reading and writing. More complex language structures are employed including the subjunctive mood of the verb. Vocabulary units expand on previously learned words but also include travel, car and emergency situations. Latin America is the cultural focus. Some literary works are studied.	Foreign Language	Year	12
39 Business Economics Explores and discusses the theory of different economical structures in relation to capitalism. Students are asked to demonstrate their understanding of interest problems, stock market and money management. <i>This course is used in lieu of the second semester of Government for early graduates.</i>	Business Education	Semester	11-12

Course No. & Name	Department	Length	Grade
40 Geography This required course will help students learn to appreciate the multicultural diversity of the world's people. Students will use various geography skills such as reading and interpreting maps and conducting research.	Social Studies	Semester	9
41 World History World History is a one-year survey course required for graduation. Students will study time periods from pre-history to the modern world.	Social Studies	Year	10
42 American History This required survey course provides for an in-depth study of key events, people and issues in the history of the United States. The focus of the course is on themes, issues, events, people and concepts that help us relate to the past, to the present and to the future.	Social Studies	Year	11
43 American Government American Government is a required, full-year course offered to seniors. This course is a comprehensive study of our system of government.	Social Studies	Year	12
45 Sociology Students in this course are exposed to concepts of sociological perspective, socialization, social stratification, culture, family, deviance and social control, race and ethnicity, social change and collective behavior.	Social Studies	Semester	11-12
46 Psychology Students in the course are exposed to five major areas of study: learning theory, brain functions, personality, human development and behavior disorders.	Social Studies	Semester	11-12
48 IHCC Calculus II This course covers limits and continuity, derivatives, integration, inverse function, and applications on the integral. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools. <i>Prerequisite: IHCC Calculus I</i>	Mathematics	Semester	12

Course No. & Name	Department	Length	Grade
49 IHCC Math for Liberal Arts This course is intended for students interested in attending a two-year college or program. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools. <i>Prerequisite: Geometry</i>	Mathematics	Year	12
50 General Math General math reviews skills in addition, subtraction, multiplication and division of whole numbers, decimals and fractions. Percentages, basic geometry and algebra and practical applications of math are discussed.	Mathematics	Year	9
51 Pre-Algebra This is a class for students who need more instruction in mathematics before entering Algebra I. This class reinforces basic concepts of mathematics and introduces Algebra.	Mathematics	Year	9-12
52 Consumer Math Consumer Math is for juniors and seniors. This course uses real-world applications of computational skills to solve business and consumer problems.	Mathematics	Year	11-12
53 Algebra I This course covers the basic algebraic topics of whole numbers, polynomials, fractional equations, and functions. Incoming 9th grade students should have at least a “B” average in 8th grade math before enrolling in this demanding, fast-paced course.	Mathematics	Year	9-12
54 Applied Math Applied Math spends extra time reviewing and improving essential mathematical skills and application of those skills to better prepare a student for a pre-algebra or vocational math course. <i>Prerequisite: Instructor approval and recommendation of current math teacher.</i>	Mathematics	Year	10-12
56 Algebra II Algebra is used to solve challenging real-world problems involving numbers. Algebra II reviews Algebra I topics and then discusses more algebraic topics including polynomial equations, analytic geometry, logarithms, sequences and matrices. Most 4-year colleges require Algebra II for admission. <i>Prerequisite: Geometry.</i>	Mathematics	Year	10-12

Course No. & Name	Department	Length	Grade
57 Geometry This course discusses two and three-dimensional shapes and their properties. It helps students see geometric shape in everyday surroundings, and to apply their knowledge in real life problem solving. Basic trigonometry, construction and coordinate geometry are some of the topics covered. <i>Prerequisite: Algebra I</i>	Mathematics	Year	9-12
58 IHCC College Algebra This advanced course covers quadratic and polynomial functions, inequalities, exponents and logarithms, polar coordinates, vectors, determinants and matrices. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools. <i>Prerequisites: Algebra II & Trigonometry.</i>	Mathematics	Year	11-12
59 IHCC Calculus This course covers limits and continuity, derivatives, integration, inverse function, and applications on the integral. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools. <i>Prerequisite: IHCC College Algebra</i>	Mathematics	Semester	12
60 Trigonometry Trigonometry introduces students to the relationships between the sides & angles of triangles and the calculations based on these. Circular motion, vectors and polar coordinates are discussed. Algebra and Geometry skills are used daily. Trigonometry can be taken concurrently with Algebra II, after Algebra II, or concurrently with the first semester of IHCC College Algebra. <i>Prerequisite: Geometry.</i>	Mathematics	Semester	10-12
61 Basic Science This is a fundamental of science course to prepare students for General Science. In addition to course work, the students will be required to participate in the Davis County High School Recycling Program.	Science	Year	9
62 General Science This course examines the earth's crustal and atmospheric processes. This is an integrated science course including topics in life science and physical science. Most 9 th grade students will take this class.	Science	Year	9-12

Course No. & Name	Department	Length	Grade
67 Biology Biology I is a yearlong required course introducing general concepts in the world of life science. Students will be expected to participate in lectures, discussions, lab and bookwork.	Science	Year	9-12
68 Biotechnology Biotechnology is a lab-directed class covering topics in Microbiology, Technology and Forensics. Student background in basic math and applied science, as well as good documentation and writing skills are required. <i>Pre-requisite: Biology and junior-senior standing.</i>	Science	Semester	11-12
69 Chemistry This course investigates atomic structure and patterns involving the formation, structure and behavior of chemical compounds. Major study areas are: atomic structure and its theories, driving forces and rates of chemical reactions, chemical equilibrium and the behavior of acids and bases. <i>Prerequisites: Biology and Algebra I</i>	Science	Year	10-12
71 Chemistry II This is a rigorous laboratory course continuing Chemistry curriculum with oxidation-reduction reactions, thermodynamics, nuclear chemistry, organic chemistry and chemistry in your life. <i>Prerequisites: Chemistry and Algebra II</i>	Science	Semester	11-12
72 Physics Physics involves experimental verification of various physical laws and the application of these laws in equation derivation and problem solving. This course is quantitative in nature and requires math skills from algebra and geometry. <i>It is necessary that the student currently be enrolled in or has successfully completed Algebra II.</i>	Science	Year	11-12
74 Anatomy & Physiology Anatomy and Physiology is for students interested in becoming familiar with the systems of the body and how they function. The class consists of lectures, discussion and labs. <i>Prerequisite: Biology</i>	Science	Year	10-12

Course No. & Name	Department	Length	Grade
77 Iowa Science Iowa Science is based on active learning of the biological communities within this state. Students will study the complex ecosystems of woodlands, waterways, prairies and wetlands as well as see first hand the effects of erosion and human involvement within these biological communities. This is a “hands on” course that will require significant community service, recycling and field of activity participation. <i>Prerequisite: Biology</i>	Science	Semester	11-12
80 Health 9 Students in Health will be exposed to a wide variety of health and wellness topics that will prepare them to take responsibility for their physical, mental/emotional and social health. <i>This is a required course for all freshmen.</i>	Health & Physical Education	Semester	9
81 & 82 Phys Ed 9/10 Semester 1 & 2 This required class stresses lifetime sports and activities to prepare students for an active, fit adulthood. Evaluation is based on attitude, participation and effort, not skill level.	Health & Physical Education	Semester	9-10
83 & 84 Phys Ed 11/12 Semester 1 & 2 This required class stresses lifetime sports and activities to prepare students for an active, fit adulthood. Evaluation is based on attitude, participation and effort, not skill level.	Health & Physical Education	Semester	11-12
86 Adv Health & Health Promotions This is an independent study course focusing on advanced health education and health promotions. Students will be responsible for coordinating and carrying out health-related projects. <i>Prerequisite: Teacher approval and application.</i>	Health & Physical Education	Semester	11-12
85 Weights An advanced physical education course designed for students who wish to improve their overall physical strength and conditioning. Strength development, quickness and increased physical endurance are the primary goals of this class. Students are taught proper lifting and spotting techniques. <i>Prospective students must apply for this class through Coach Kauzlarich.</i>	Health & Physical Education	Semester	9-12

Course No. & Name	Department	Length	Grade
87 IHCC Medical Terminology This course introduces basic medical language essential to health occupation careers. Emphasis will be placed on word analysis and construction, definitions, pronunciation, spelling and standard abbreviations. A variety of health care topics will be presented. Students will explore health careers through job shadowing experiences and a hospital field trip. Students will receive high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community District.	Vocational	Semester	11-12
88 IHCC Nursing Essentials This course introduces the student to basic nursing care, technical skills and communication techniques required to become a certified nursing assistant (CNA). The student is required to spend 32 hours in a long-term care setting with direct supervision of a clinical instructor. Students will receive high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools.	Vocational	Semester	11-12
91 Ag I This is an introductory course in Agriculture Education designed for students who have an interest in Agriculture. The major emphasis of Ag Education I is Animal Science.	Agriculture Science	Year	9-10
92 Ag II Emphasis in this course is Agronomic Sciences (crop and soil science). Subject matter areas will include: crop production, horticulture, soils, conservation practices, farm safety, SAE project records, entrepreneurship, and parliamentary procedure. <i>There is no pre-requisite.</i>	Agriculture Science	Year	10-11
93 Ag Horticulture Horticulture is a class that studies basic plant science growing methods and experiments with plants in a greenhouse setting. Text knowledge is combined with hands-on-experience. This is a yearlong course that will allow for much greenhouse time with flowers and garden plants. This course will count as a science credit.	Agriculture Science/Science	Year	10-12
95 Ag Mechanics Emphasis in this course is no welding and small project construction. Subject matter areas include: oxy-acetylene operation, arc welding, MIG welding, TIG welding and general carpentry skills.	Agriculture Science	Year	10-12

Course No. & Name	Department	Length	Grade
96 IHCC Animal Science This course discusses the integration of livestock in a sustainable farming system including small-scale production for niche markets. Topics include appropriate breed selection, nutrition, reproduction, diseases, processing, land management for hogs, poultry, cattle, sheep, and goats. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools.	Agriculture Science	Semester	11-12
97 IHCC Ag Marketing Basic marketing principles will be researched, studied, and discussed. Topics include buying, selling, processing, standardizing, grading, storing, and marketing of agriculture commodities. Students will develop a marketing plan. Students have the option of receiving both high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools.	Agriculture Science	Semester	11-12
98 Ag Occupations Ag Occupations is a semester class that allows students to explore the many careers within Agriculture. Students will interactively study job seeking skills, agricultural sales skills, and natural resources.	Agriculture Science	Semester	10-12
99 Ag Business Ag Business focuses on the diverse structure and fundamentals of business within the agricultural community. Practical business applications will be studied in a hands-on environment.	Agriculture Science	Semester	10-12
100 Small Gas Engines This is an elective class that explores the simple combustion engine. In addition to text materials, students are expected to apply their knowledge “hands-on”.	Agriculture Science	Semester	11-12
101 Ind Tech Computer Modules I This is a co-educational, semester program that utilizes ten different computer modules. Each student will work on with flight simulators, electronics, video and radio production, animation, aerodynamics, a car builder, robotics, energy and the CNC mill. <i>This class is required before taking Computer Modules II.</i>	Industrial Technology	Semester	9-12

Course No. & Name	Department	Length	Grade
102 Ind Tech Computer Modules II This is a co-educational semester program that utilizes ten different computer modules. Each student will work on the second level of the flight simulator, electronics, video and radio production, aerodynamics, animation, car builder, robotics, energy and the CNC mill. <i>Prerequisite: Computer Modules I.</i>	Industrial Technology	Semester	9-12
103 Intro to Industrial Tech This course prepares individuals in two introductory units. Drafting and woodworking will be covered in two nine-week sessions. This co-ed class is required for introductory woodworking and drafting.	Industrial Technology	Semester	9-10
104 Intro Woodworking Introductory woodworking is a co-educational course. The first semester is spent learning the various power machines in the shop along with one required project. The second semester will be geared toward project work of the student's choice. <i>Pre-requisite: Intro to Industrial Technology.</i>	Industrial Technology	Semester	10-12
106 Computer Aided Drafting (CAD) The emphasis in CAD is on accuracy and detail. Drafting skills, knowledge of materials and construction principles will also be emphasized.	Industrial Technology	Semester	10-12
109 House Wiring House Wiring is designed to teach the basics of residential electrical wiring. The class is 50% theory, knowledge and terminology and 50% hands-on practice. This class will provide lifetime skills.	Industrial Technology	Semester	10-12
111 Plastics This course covers the basic elements of plastics. The majority of the class will consist of making projects using different materials and methods. Styrofoam, plastisol, clear cast, plexiglass and fiberglass are the main areas that will be covered. <i>No prerequisite.</i>	Industrial Technology	Semester	9-12
112 Adv Woodworking Advanced woodworking is a yearlong, co-educational course for juniors and seniors. The first three weeks are spent on ordering plans, buying wood, making different wood joints and going over framing, molding, trim and panels. The remainder of the semester is spent working on one project. <i>Prerequisite: Introductory Woodworking.</i>	Industrial Technology	Year	11-12

Course No. & Name	Department	Length	Grade
113 Carpentry Carpentry is a class that will provide up-to-date information about equipment, methods and materials used in construction. The work project in this class will be model houses, A-Frame, Ranch Style or Townhouse. Construction technology and terminology will be stressed.	Industrial Technology	Semester	10-12
118 Computer Applications This is a required semester course. It instructs the students in operating a computer through hands-on experiences in word processing, spreadsheets, draw tools, presentations, graphics and use of the Internet.	Industrial Technology	Semester	9
119 Desktop Publishing Desktop Publishing is an elective course. Students will use InDesign software to produce documents required by business in today's jobs. This course is beneficial to students interested in helping with the yearbook. <i>Prerequisite: Computer Applications.</i>	Business Education	Semester	9-12
121 Computer Prog. Using Oracle A semester course in which students analyze business requirements and data models, learn SQL using the Oracle Application Express tool, investigate careers, gain interviewing skills and potentially earn certifications.	Business Education	Semester	11-12
122 IHCC Intro to Computers A semester course is an introduction to business computer software and hardware. Students will use basic and intermediate features of word processing and spreadsheet software and basic features of database and presentation software. General computer concepts and the Internet will also be covered. Students will receive high school and IHCC credit. The cost of the IHCC tuition is paid by Davis County Community Schools. <i>Prerequisite: Computer Applications.</i>	Business Education	Semester	11-12
123 General Business General Business is a semester, co-educational elective course. It is a basic business course that explains the various types of business systems, explains the role of business in economic systems and explains the consumer's role in business.	Business Education	Semester	9-12

Course No. & Name	Department	Length	Grade
124 Accounting The student will learn accounting concepts, principles and practices, apply accounting procedures in a sole proprietorship and partnership, and use a variety of resources and methods to learn the concepts, principles and practices of modern accounting.	Business Education	Semester	10-12
125 Adv Accounting The student will apply accounting concepts and principles learned in Accounting in a departmentalized business; and learn further accounting concepts and principles, including automated accounting. <i>Prerequisite: Accounting.</i>	Business Education	Semester	10-12
126 Business Law This course will allow high school juniors and seniors to study true situations where business law has a major effect on the lives of all members of society. Students who complete this course will better understand the legal world, expand their vocabularies and sharpen their abilities to think critically and systematically, as well as be better equipped to recognize legal problems and when to seek and utilize professional counsel.	Business Education	Semester	11-12
127 Entrepreneurship This course covers the basics of entrepreneurship on the American economy. Students will go through the process of starting their own business; including developing a business plan, marketing the business, hiring and managing staff, financing the business and insuring the business.	Business Education	Semester	11-12
129 Design & Drawing Design & Drawing is a basic elective course open to all high school students. Design issues and terminology are presented as students practice the application of the principles of design. Students are exposed to a wide variety of art media as they learn basic techniques. Students are responsible for a sketchbook that is evaluated once a week.	Art	Semester	9-12
130 Art I Art I is a one-semester elective course designed to teach the History of Art I from the beginning of man's development through the Middle Ages, with projects related to each historical period studied. Films, tests and hands-on projects are all an important part of the learning process. <i>Prerequisite: Design & Drawing.</i>	Art	Semester	9-12

Course No. & Name	Department	Length	Grade
131 Art II Art II is a semester course that begins where Art I ended. The continued journey through time takes students through the present time, again doing related projects for each historical period. <i>Prerequisite: Design & Drawing</i>	Art	Semester	10-12
132 Art III Students will explore various art media and techniques in greater depth. Famous artists will be studied and emulated. The emphasis will be on the refinement of skills through the practice and execution of intermediate level projects. <i>Prerequisite: Design & Drawing.</i>	Art	Semester	10-12
133 Painting Painting is a one-semester, elective course that instructs students in the use of watercolor and acrylic paint. Students will learn to paint roses, still life portraits and landscapes. Basic techniques such as blending and creating texture are demonstrated and practiced. Students need to provide their own paint. <i>Prerequisites: Design & Drawing, Art I, Art II, and Art III.</i>	Art	Semester	11-12
134 Adv Art Advanced Art is a year class for approved seniors who have completed Design and Drawing, Art I, Art II and Art III. This is a demanding class for the serious art student who is thinking about a career in art. Students use a variety of media on advanced level projects that are organized into a Portfolio that could be used to get in to art school. Students must be enrolled in first semester in order to take second semester.	Art	Year	12
135 Vocal Music Vocal Music (choir) is offered to any student enrolled in high school. Students are exposed to many styles of music, including classical, sacred, folk, spirituals, Madrigals, jazz and pop. Concert choir activities include conference choir festival, nacho plate dinner, Christmas Concert, musical, pops concerts and small & large group contest. Students <i>must</i> be able to read music notes and count rhythms.	Fine Arts	Year	9-12
136 Music Theory Music Theory is a one-semester elective course for students in grades 11-12. This course is open for students with an interest in music and/or planning on a major or minor in college music. This course will include sight singing, ear training (listening skills) and theory. <i>Pre-requisite: instructor approval</i>	Fine Arts	Semester	11-12

Course No. & Name	Department	Length	Grade
137 Band Band is offered to students with prior knowledge of a musical instrument. This course includes individual lessons, group lessons, concert band, marching band, pep band and optional jazz band. Band activities include concerts, honor bands, solo & ensemble contests, marching contests and large group contests.	Fine Arts	Year	9-12
141 Basic Life Skills Communication, clothing care & construction, food & nutrition, and resource management will all be topics of instruction.	Family & Consumer Science	Semester	9-10
142 Child Development & Parenting This is a semester, co-educational, elective course where students will become prepared for parenthood and the care of children ages 0-2 through theory and practice. Students will plan and participate in a pre-school lab.	Family & Consumer Science	Semester	9-12
142 Child Development & Parenting 2 This is a semester, co-educational, elective course where students will become prepared for parenthood and the care of children ages 3-12 through theory and practice. Students will plan and participate in a school lab.	Family & Consumer Science	Semester	10-12
145 Career Readiness This course will help students explore careers and make the transition from school to work successfully.	Business Education	Semester	11-12
146 Food & Nutrition I This is an introductory course to practice basic skills, analyze nutritional needs and select foods for good health throughout life.	Family & Consumer Science	Semester	10-12
147 Food & Nutrition II Through this course the student will have a better understanding of the importance of good nutrition and practice various cooking techniques. The student will also be provided with guidelines to enable him/her to be an informed food consumer. Students will be expected to complete and evaluate various food laboratory experiences both in the classroom setting and at home. <i>Prerequisite: Food & Nutrition I</i>	Family & Consumer Science	Semester	10-12

Course No. & Name	Department	Length	Grade
148 Life Management This course will help the student understand his/her development as an individual, as a family member, and as part of society. Through written projects and mock presentations, students will be better prepared to live on their own.	Family & Consumer Science	Semester	12
149 Advanced Foods <i>Prerequisites: Food & Nutrition I and II.</i>	Family & Consumer Science	Semester	11-12
200 DC Alt Program The Davis County Alternative program is for students who need an opportunity to focus on their education in an individualized and supportive environment. The guidance counselor, teacher input, administration, and program coordinator determine placement.	Special Programs	Semester	9-12
210 Special Class w/Integration (SCI) Individuals must be staffed into this program with an Individualized Education Plan (IEP).	Special Programs	Semester	9-12
220, 230, 240, 270 Resource Room Individuals must be staffed into this program with an Individualized Education Plan (IEP).	Special Programs	Semester	9-12