

## ***Advanced Academics***

The Keller Independent School District secondary schools offer students the opportunity to participate in challenging academic courses, such as Accelerated (Acc), Honors, Advanced Placement (AP), Dual Credit, and Dual Enrollment. Because these classes are college preparatory and/or similar to college-level courses, students are challenged to be more disciplined, structured, and to perform at a higher academic level.

**What is Honors?** Honors courses are high school college preparatory courses that are designed to provide students with the necessary skills to be successful in Dual Credit and AP courses. In KISD, these skills together with the Texas Essential Knowledge and Skills (TEKS) comprise the syllabi for Honors courses.

**What is Dual Credit (DC):** A student may enroll in academic courses for college credit before they graduate from high school. Students receive both high school and college credit for successful completion of required courses offered through the district partnership university. Students enrolled in dual credit courses are expected to attend class on the scheduled days. A student must:

- Obtain permission from the high school
- Enroll at the college/university offering the courses
- Earn a grade average of 70 or above or "C" in each required course
- Meet the entrance requirements of the college/university including the required TSI exam
- Comply with the Student Code of Conduct and grading guidelines of the college/university

**What is Dual Enrollment (DE):** Courses similar to dual credit, by participating in a dual enrollment course, a student is working in college-level curriculum while in high school. However, dual enrollment means that there is a separate college course grade earned and a separate high school course grade earned. The University of Texas at Austin OnRamps courses are an example of this course type. Each dual enrollment course in the guide will have the corresponding HS credit equivalent. Students will register for UT OnRamps courses with their high school teacher at the beginning of the school year after selecting the dual enrollment course for KISD.

**What is AP?** The AP (Advanced Placement) Program is administered by the College Board of New York. It allows students to participate in college level courses and possibly earn college credit while still attending high school. Secondary schools and colleges cooperate in this program to give students the opportunity to show mastery in college-level courses by taking Advanced Placement (AP) exams in May of each school year.

**Advanced Placement Examinations (AP)** These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found online at [www.collegeboard.com](http://www.collegeboard.com)

**AP Capstone Diploma Program:** Students can earn the AP Capstone Diploma or the AP Seminar and Research Certificate. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate. All AP courses and course descriptions can be found throughout this guide.

	<u><a href="#">Advanced Placement (AP)</a></u>	<u><a href="#">Dual Credit</a></u>	<u><a href="#">Dual Enrollment (UT OnRamps)</a></u>
<b>Description</b>	The AP (Advanced Placement) Program is administered by the College Board of New York. It allows students to participate in college-level courses and possibly earn college credit while still attending high school.	Students earn one grade and receive both high school and college credit for the successful completion of required courses offered through the district partnership university.	Students earn two grades and receive both high school and college credit for the successful completion of required courses.
<b>How is College Credit Earned?</b>	No guarantee upon completion of course(s); must pass College Board Exam. AP exams with a scores of 3 or higher.  <u><a href="#">Advanced Placement Examinations (AP)</a></u> . These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit can be found online at <a href="http://collegeboard.com">collegeboard.com</a> .	Guaranteed semester credit hours(sch) upon successful completion of the course(s) in Texas. Students must earn a minimum of 70% or a “C” to earn high school credit.	Guaranteed semester credit hours(sch) upon successful completion of the course(s) in Texas. Students must earn a minimum of 70% to earn high school credit.
<b>College/ University Acceptance</b>	Accepted throughout the nation. Check the policy at each college or university.	Accepted at public colleges and universities in Texas as well as many other colleges and universities across the nation. Check the policy at each college or university.	Accepted at public colleges and universities in Texas as well as many other colleges and universities across the nation. Check the policy at each college or university.
<b>Eligibility</b>	Advanced Placement is considered open enrollment. Students may register for and participate in AP courses each year provided that they have completed the course prerequisites.	<b>MUST</b> <ul style="list-style-type: none"> <li>• Be identified as a high school student</li> <li>• Have high school approval</li> <li>• Meet TSI eligibility requirements for college-level course work.</li> </ul>	<b>MUST</b> <ul style="list-style-type: none"> <li>• Be identified as a high school student.</li> <li>• Select course(s) during high school registration.</li> </ul>

<b>Cost</b>	<p>Students/Parents are responsible for all registration.</p> <p>Approx. \$100 per test. Waivers are available to those who qualify.</p>	<p>Students/Parents are responsible for all registration, tuition, fees, and textbook costs.</p> <p>Approx \$192 per 3-hour course</p> <p>Financial Aid is available through FAFSA and a dual grant.</p>	<p>Students/Parents are responsible for all registration, tuition, fees, and textbook costs.</p> <p>\$149 per course(s) = Student \$99 per course(s) = F/R Student</p> <p>For additional financial support contact the campus counseling office.</p>
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**Texas Core Curriculum:** The purpose of the core curriculum is to ensure that Texas undergraduate students enrolled in public institutions of higher education will develop the essential knowledge and skills they need in order to be successful in college, in a career, in their communities, and in life. Many dual and advanced placement courses in Keller ISD will potentially count towards a degree from any public institution in the state. One of the most important provisions of the Texas Core Curriculum is that it allows students who successfully complete a 42-semester credit hour (SCH) core curriculum at one institution to transfer the entire set of completed courses to another public Texas higher education institution without having to repeat any core courses. See this website for more information: <http://board.theccb.state.tx.us/apps/TCC/>. Below you will see the nine areas that make up the Texas Core Curriculum.

Communication 6SCH	Mathematics 3 SCH	Life and Physical Science 6 SCH
Language, Philosophy, Culture 3SCH	Creative Arts 3SCH	American History 6SCH
Government/ Political Science 6 SCH	Social and Behavioral Sciences 3 SCH	Component Area Option 6 SCH

**SCH = Semester Credit Hours**

## KISD Dual Program Texas Core Curriculum

The following dual courses are offered during the school day in Keller ISD.

Course Name	Delivery	Credit	Partner Institution	Course Title	College Hours
<b>COMMUNICATION (6 HOURS) CHOOSE TWO COURSES</b>					
Dual English III	HS Campus	1	TCC	ENGL 1301 Composition I	3
				ENGL 1302 Composition II	3
Professional Communications	College Campus/ Online	0.5	TCC	SPCH 1321 Business and Professional Communication	3
<b>MATHEMATICS (3 HOURS) CHOOSE ONE COURSE</b>					
Algebra II	College Campus/ Online	1	TCC	MATH 1314 College Algebra	3
Independent Study in Math (1st time)	College Campus/ Online	1	TCC	MATH 2413 Calculus 1	4
				MATH 2414 Calculus 2	4
OnRamps Precalculus	HS Campus	1	UT-Austin	MATH 2312 Discovering Precalculus	3
OnRamps College Algebra	HS Campus	1	UT-Austin	MATH 1314 College Algebra	3
OnRamps Statistics	HS Campus	1	UT-Austin	MATH 1342 Elementary Statistics	3
Precalculus	College Campus/ Online	1	TCC	MATH 2412 Precalculus Math	4
Statistics	College Campus/ Online	1	TCC	MATH 1342 Elementary Statistical Methods	3
<b>LIFE AND PHYSICAL SCIENCES (6 HOURS) CHOOSE TWO COURSES</b>					
Anatomy & Physiology	College Campus/ Online	1	TCC	BIOL 2401 Anatomy & Physiology 1	4
				BIOL 2402 Anatomy & Physiology 2	4
Microbiology	College Campus/ Online	1	TCC	BIOL 2420 Microbiology	4
OnRamps Physics	HS Campus	1	UT-Austin	PHYS 1301 Mechanics, Heat and Sound: General Physics Technical Course 1	4
				PHYS 1101 Lab for Mechanics, Heat, and Sound	

OnRamps Chemistry	HS Campus	1	UT-Austin	CHEM 1301 Principles of Chemistry 1	4
				CHEM 1104 Lab for Chemical Practices 1	
Physics	College Campus/ Online	1	TCC	PHYS 1405 Elementary Physics 1	4
				PHYS 1407 Elementary Physics 2	4
Scientific Research & Design	College Campus/ Online	1	TCC	CHEM 1411 General Chemistry I	4
				CHEM 1412 General Chemistry II	4
<b>LANGUAGE, PHILOSOPHY, AND CULTURE (3 HOURS) CHOOSE ONE COURSE</b>					
Dual English IV	College Campus/ Online	1	TCC	ENGL 2322 British Literature I to 1800	3
				ENGL 2323 British Literature II since 1800	3
Dual English IV	HS Campus	1	TCC	ENGL 2332 World Literature I	3
				ENGL 2333 World Literature II	3
Dual French III	HS Campus	1	TCC	FREN 2311 Intermediate French I	3
Dual French IV	College Campus/ Online	1	TCC	FREN 2312 Intermediate French II	3
Dual Spanish III	HS Campus	1	TCC	SPAN 2311 Intermediate Spanish I	3
Dual Spanish IV	College Campus/ Online	1	TCC	SPAN 2312 Intermediate Spanish II	3
<b>CREATIVE ARTS (3 HOURS) CHOOSE ONE COURSE</b>					
Art Appreciation	College Campus/ Online	1	TCC	ARTS 1303 Art History I	3
<b>AMERICAN HISTORY (6 HOURS) CHOOSE TWO COURSES</b>					
Dual US History	HS Campus	1	TCC	HIST 1301 United States History I to 1876	3
				HIST 1302 United States History II since 1876	3
<b>GOVERNMENT/POLITICAL SCIENCE (6 HOURS) CHOOSE TWO COURSES</b>					
Dual US Government	HS Campus/ Online	0.5	TCC	GOVT 2305 United States Government	3
Special Topics in Social Studies	College Campus/ Online	0.5	TCC	GOVT 2306 Texas Government	3
<b>SOCIAL AND BEHAVIORAL SCIENCES (3 HOURS) CHOOSE ONE COURSE</b>					

Dual Economics	HS Campus, College Campus/Online	0.5	TCC	ECON 2301 Principles of Macroeconomics <u>OR</u> ECON 2302 Principles of Microeconomics	3
Psychology	College Campus/ Online	0.5	TCC	PSYC 2301 General Psychology	3
Sociology	College Campus/ Online	0.5	TCC	SOCI 1301 Introduction to Sociology	3
<b>COMPONENT AREA OPTION (6 HOURS)</b>					
Overflow Hours: Please note that not all overflow hours from the Texas Core Curriculum will be accepted into the component area option. Refer to the <a href="#">Texas General Education Core Curriculum WebCenter</a> for a specific university or college course acceptance.					

The previously listed are part of the Texas Core a 42 Semester Credit Hour core curriculum for all undergraduate students in Texas. College courses taken outside of those listed above may not count for high school credit. Students who wish to graduate with an associate degree will need additional hours as a concurrent student.

### **KISD Dual Program Pathway Curriculum**

The following courses apply to specific pathways. You must check with your college/university for transfer capability.

<u>AGRICULTURE</u>					
Dual Advanced Animal Science	HS Campus	1	Weatherford College	AGRI 1419 Animal Science	4
<u>AVIATION MAINTENANCE TECHNOLOGY: AIRFRAME-AVIA.D002.UG</u>					
Dual Aircraft Airframe Technology	College Campus	2	TCC	AERM 1315 Aviation Science	10
				AERM 1205 Weight and Balance	
				AERM 1310 Ground Operations	

				AERM 1208 Federal Aviation Agency Regulations	
Dual Advanced Aircraft Technology	College Campus	2	TCC	AERM 1314 Basic Electricity	6
				AERM 1303 Shop Practice	
<a href="#"><u>PROFESSIONAL PILOT-ATPP.D004.UG</u></a>					
Practicum in Transportation Systems Age Requirement - 17	College Campus	2	TCC	AIRP 1301 Air Navigation	11
				AIRP 1317 Private Pilot Ground	
				AIRP 1215 Private Flight	
				AIRP 1313 Introduction to Aviation	
Practicum in Transportation Systems (2 <sup>nd</sup> Time) Age Requirement - 17	College Campus	2	TCC	AIRP 1451 Instrument Ground School	12
				AIRP 1307 Aviation Meteorology	
				AIRP 1341 Advanced Air Navigation	
				AIRP 2250 Instrument Flight	

## Dual Aircraft Airframe Technology

*Aviation Science, Weight and Balance, Ground Operations, Federal Aviation Agency Regulations*

**TEDS: 13039400**

**KISD: 82721**

**Credit: 2**

**Grade: 11-12**

**Prerequisite: TCC Admission Standards**

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft. Students must enroll, purchase the books required, and pay for Aviation Science (AERM 1315), Weight and Balance (AERM 1205), Ground Operations (AERM 1310), Federal Aviation Agency Regulations (AERM 1208) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. **Students must have their own transportation.**

## Dual Aircraft Powerplant Technology

*Basic Electricity, Shop Practices*

**TEDS: 13039500**

**KISD: 82722**

**Credit: 2**

**Grade: 12**

**Prerequisite: Dual Aircraft Airframe Technology and TCC Admission Standards**

This course is designed to apply the theory of operation, repair, and maintenance of aircraft airframes, power plants, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students must enroll, purchase the books required, and pay for Basic Electricity (AERM 1314) and Shop Practices (AERM 1303) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

### **Dual Practicum in Transportation Systems I (Professional Pilot)**

**TCC Professional Pilot - Air Navigation, Private Pilot Ground, Private Flight, Introduction to Aviation**

**TEDS: 13040450**

**KISD: 82763**

**Credit: 2**

**Grade: 11-12**

**Prerequisite: TCC Admission Standards and 17 years of age.**

***The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:***

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree
- Students must enroll, purchase the books required, and pay for Air Navigation (AIRP 1301), Private Pilot Ground (AIRP 1317), Private Flight (AIRP 1215), Introduction to Aviation (AIRP 1313) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. **Students must have their own transportation.**

### **Dual Practicum in Transportation Systems II (Professional Pilot)**

**TCC Professional Pilot – Instrument Ground School, Aviation Meteorology, Advanced Air Navigation, Instrument Flight**

**TEDS: 13040460**

**KISD: 82764**

**Credit: 2**



**Grade: 12**

**Prerequisite: TCC Admission Standards and 17 years of age.**

The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree
- Students must enroll, purchase the books required, and pay for Instrument Ground School (AIRP 1451), Aviation Meteorology (AIRP 1307), Advanced Air Navigation (AIRP 1341), Instrument Flight (AIRP 2250) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.