

San Jacinto Community
College District

Educational Programs



EDUCATIONAL PROGRAMS

ASSOCIATE DEGREE PLAN 2014-2015 Required Transfer Core Curriculum

Educational Programs

ASSOCIATE DEGREE PLAN 2014-2015 Required Transfer Core Curriculum	
CORE CURRICULUM REQUIREMENTS	MINIMUM REQUIRED CREDIT HOURS
Communications (010) - two courses	6 hours
ENGL: 1301 and 1302; or ENGL 1301 and 2311	
Mathematics (020) - one course (Prerequisites enforced)	3 hours
MATH 1314, 1316, 1324*, 1325*, 1332*, 1342**, 2318, 2320, 2412, 2413, or 2414 *MATH 1324, 1325, and 1332 are not recommended for students pursuing a mathematics, engineering, or science degrees. **MATH 1342 is required for a bachelor's degree in nursing	
Life and Physical Sciences (030) - two courses	6 hours
BIOL 1306, 1307, 1308*, 1309*, 1311, 1313, 2301**, or 2302** CHEM 1305*, 1307*, 1311, 1312 GEOL 1301*, 1303, 1304, 1305, 1347 PHYS 1301, 1302, 1303, 1304, 2325, 2326 Students enrolling in science courses must also co-enroll in science labs. See Component Area Option (090). Science majors should consider an Associate of Science Degree Plan. *BIOL 1308, 1309 and CHEM 1305, 1307, and GEOL 1301 do not meet the requirements for science degrees. **BIOL 2301 and 2302 are designed for allied health majors and not for academic transfer as science majors.	
Language, Philosophy, and Culture (040) - one course [Humanities]	3 hours
ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351; GEOG 1302; HIST 2321, 2322; HUMA 1301, 1302; PHIL 1301, 2306	
Creative Arts (050) - one course [Fine Arts]	3 hours
ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307, 1310	
American History (060) - two courses	6 hours
HIST 1301, 1302, 2301, 2327, 2328	
Government/Political Science (070) - two courses	6 hours
GOVT 2305, 2306 Students who have taken GOVT 2301 or GOVT 2302 should meet with an educational planner or counselor.	
Social and Behavioral Sciences (080) - one course	3 hours
ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Component Area Option (090)	6 hours
Two science lab courses are required and can be used to meet this component; CHIN 1411, 1412; FREN 1411, 1412; GERM 1411, 1412; SGNL 1401, 1402; SPAN 1411, 1412; SPCH 1311, 1315, 1318, 1321; Any course in the core curriculum that has not been used to meet another core curriculum area can be used in the Component Area Option.	
42 hours	
Institutional Option - two courses	6 hours
EDUC 1300 or PSYC 1300 or academic elective (if successfully completed GUST 0305) BCIS 1305 or ITSC 1309 or academic elective (if student passes the computer literacy exam)	
Transfer Path	12 hours
Students seeking an associate of arts degree should explore the institutions to which they plan to transfer before determining which courses they should take for academic transfer. Students seeking an associate of arts in teaching should refer to the catalog for specific courses. Students seeking an associate of science degree should take a minimum of 12 hours of mathematics, computer science, or science beyond the core curriculum. Students seeking an associate of science in engineering science should refer to the catalog for specific courses.	
60 hours	

Associate Transfer Degrees

San Jacinto College offers a variety of certificates and degrees. Students are encouraged to complete the requirements of an associate degree at San Jacinto College even if they are planning to transfer to another college or university to complete a baccalaureate degree. One advantage of completing a degree is the fact that this action reflects commitment to a specific educational goal and success in meeting that goal. Earning an associate degree is evidence of taking one definable step beyond a high school diploma or the high school equivalency examination, and it is the minimum educational requirement for employment in certain positions in area businesses and industries. The associate of arts (A.A.), associate of science (A.S.), and associate of arts in teaching (A.A.T.) degrees are designed for students who plan to transfer to a four-year or upper-level college or university. This type of degree includes general education courses such as English, mathematics, history, and government, which are considered to be core requirements for most baccalaureate degree programs. Many students refer to these courses as “the basics.” (See The Basics—Core Curriculum section).

An associate degree has three parts: a 42-hour core curriculum, which provides general education; a 6-hour institutional option; and a 12-hour transfer path, which collectively leads to the 60-hour associate degree.

Associate of Arts Degree

Four-year and upper-level colleges and universities offer majors within the baccalaureate degree. San Jacinto College offers many courses in the transfer path that would meet the requirements of a major. Students may prepare to transfer to a particular program at an upper-level institution by either (1) completing the core requirements of the associate degree at San Jacinto College and selecting courses in their transfer path that will lead to a major for the baccalaureate, or (2) selecting courses as specified in the transfer plans developed by San Jacinto College in cooperation with upper-level institutions to which students transfer. Those plans, which are available in the educational planning and counseling center on each San Jacinto College campus, are designed to prepare students to transfer to a particular four-year or upper-level college or university by specifying the courses required to complete the first two years of a baccalaureate degree in a particular major. Students choosing to pursue an associate of arts degree should select from among General studies, Social and Behavioral Science, Business Administration, Fine Arts, or Communication.

1G-STUDY

12 SCH of Academic courses

1SOC-BEHV

12 SCH in any combination of ANTH, CRIJ, GEOG, GOVT, HIST, HUMA, PHIL, PSYC SOCI.

1BUSINESS

12 SCH in any combination of ACCT, AGRI, BCIS, BUSI, ECON, or MARA.

1FINEARTS

12 SCH in any combination of ARTS, DANC, DRAM, MUAP, MUEN, or MUSI.

1COMM

12 SCH in any combination of CHIN, COMM, ENGL, FREN, GERM, SGNL, SPAN, or SPCH.

Associate of Arts in Teaching Degree

The Associate of Arts in Teaching (A.A.T.) is a Texas Higher Education Coordinating Board-approved collegiate degree program consisting of lower-division courses intended for transfer to baccalaureate programs that lead to initial Texas teacher certification. The A.A.T. degree, as defined by the Coordinating Board, is fully transferable to all Texas public universities. Because the A.A.T. fulfills the requirements of the field of study curriculum statutes and Coordinating Board rules, all Texas public universities must accept the A.A.T. curricula if they offer the applicable baccalaureate degrees leading to initial teacher certification.

Students who complete the A.A.T. will be required to meet any and all entrance requirements of the receiving university and the educator preparation program, including grade point averages and/or testing requirements.

EC-6

Completed core curriculum (42 SCH) plus
MATH 1350, MATH 1351, or equivalent (6 SCHs)
EDUC 1301, EDUC 2301 (6 SCHs)
Additional science beyond Life and Physical Science

4-8, EC-12 Special Education

Completed core curriculum (42 SCH) plus
MATH 1350, MATH 1351, or equivalent (6 SCHs)
EDUC 1301, EDUC 2301 (6 SCHs)
Additional science beyond Life and Physical Science

8-12, EC-12 Other Than Special Education

Completed core curriculum (42 SCH) plus
 EDUC 1301, EDUC 2301 (up to 6 SCHs)
 Content area teaching fields/academic disciplines (up to 6 SCHs)

Associate of Science Degree

The associate of science degree (A.S.) is designed for students who plan to transfer to a four-year or upper-level college or university and major in mathematics, one of the sciences (biology, chemistry, geology, physics, biotechnology, or related field), engineering, computer science, or a baccalaureate degree in nursing. (See the Core Curriculum and Field of Study sections.) The associate of science degree differs from an associate of arts degree in the amount or level of mathematics and science required for degree completion. A minimum of 12 hours of mathematics or science beyond the core requirement will be required for the degree. Please note the Field of Study associate of science degree options contain state-required courses.

Students seeking an associate of science degree should take science courses designed for majors rather than courses for non-majors. Science courses designed for allied health students are not intended for academic transfer towards a science major.

Students choosing to pursue an associate of science degree should select from among Life Science, Physical Science, Computer Science, or Mathematics.

2LIFESCI

12 SCH in any BIOL, or CHEM, (except BIOL 1308/1108 and 1309/1109; CHEM 1305/1105 and 1307/1107).

2PHYSICI

12 SCH in any CHEM, GEOL, or PHYS (except CHEM 1305/1105 and 1307/1107; GEOL 1301/1101).

2COSCI

COSC 1336 and 1337; and 6 SCH from COSC 2326, 2336, MATH 2413, 2414, or PHYS 2325/2125 or 2326/2126.

2MATH

12 SCH in MATH 2318, 2320, 2413, 2414, or 2415.

Associate of Science in Engineering Science Degree

The Associate of Science in Engineering Science (A.S.E.S.) is a Texas Higher Education Coordinating Board-approved collegiate degree consisting of lower-division courses intended for transfer to baccalaureate programs that lead to an engineering degree. At this time, San Jacinto College offers the courses leading to transfer into mechanical engineering. The A.S.E.S. degree, as defined by THECB, is fully transferrable to Texas public universities which participate in the Tuning In Texas articulation agreement (transfer compact).

Students who complete the A.S.E.S. will be required to meet any and all entrance requirements of the receiving institution, including grade point averages and/or testing requirements.

2ENGINEER

45 SCH in specific ENGR, CHEM, MATH, or PHYS (consult with educational planner) and 15 SCH in the core curriculum

First Semester

MATH 2413	Calculus I (020)
CHEM 1311	General Chemistry (030)
CHEM 1111	Chemistry I lab (090)
ENGR 1201	Introduction to Engineering
Core Curriculum Requirement (010)	
EDUC/PSYC 1300	Learning Framework

Second Semester

MATH 2414	Calculus II
PHYS 2325	University Physics I (030)
PHYS 2125	University Physics I lab (090)
ENGR 1304	Engineering Graphics
Core Curriculum Requirement (010)	

Third Semester

MATH 2415	Calculus III
PHYS 2326	University Physics II (090)
PHYS 2126	University Physics II lab (090)
ENGR 2301	Engineering Mechanics: Statics
ENGR 2304	Programming for Engineers or
COSC 1336 Programming Fundamentals	
(This course meets the computer literacy requirement for the engineering only)	
Core Curriculum Requirement (040)	

Fourth Semester

MATH 2320	Differential Equations
ENGR 2305	Electrical Circuits I
ENGR 2105	Electrical Circuits I lab
ENGR 2302	Engineering Mechanics: Dynamics
Core Curriculum Requirement (050)	
Core Curriculum Requirement (080)	

U.S. History and Government should be taken at university. As with all transfer degrees, students should contact the upper-level institution regarding baccalaureate degree requirements. The educational planners and academic advisors can assist with this.

“The Basics”

Core Curriculum/General Education Outcomes

Texas law mandates that all state-supported colleges and universities have a core curriculum consisting of 42 semester credit hours (SCH) that will automatically transfer to all Texas public colleges and universities. Students often refer to these courses as “the basics.” Embedded within the 42-hour core curriculum are general education student learning outcomes signifying what students learn by earning an Associate of Arts (A.A.), Associate of Science (A.S.), or Associate of Arts in Teaching (A.A.T.). The requirements of the Associate of Science in Engineering Science (A.S.E.S.) include some, but not all, of the 42-hour core curriculum. Embedded in technical programs, leading to an Associate of Applied Science (A.A.S.), are 15 hours of general education drawn from courses found in the core curriculum. General education student learning outcomes represent the core objectives outlined by the Texas Higher Education Coordinating Board. San Jacinto College general education outcomes include the following:

- 1. Communication Skills** – Students will communicate ideas, express feelings, and support conclusions effectively in written, oral, and visual formats.
- 2. Critical Thinking Skills** – Students will develop habits of mind, allowing them to appreciate the processes by which scholars in various disciplines organize and evaluate data and use the methodologies of each discipline to understand the human experience.
- 3. Empirical and Quantitative Skills** – Students will develop quantitative and empirical skills to understand, analyze, and explain natural, physical, and social realms.
- 4. Teamwork** – Students will consider different points of view and work interdependently to achieve a shared purpose or goal.

5. Personal Responsibility – Students will develop habits of intellectual exploration, personal responsibility, and physical wellbeing.

6. Social Responsibility – Students will demonstrate a global perspective toward issues of culture, society, politics, environment, and sustainability.

Students must complete the 42-hour (SCH) core in the following areas: Communications (010); Mathematics (020); Life and Physical Science (030); Language, Philosophy, and Culture (040); Creative Arts (050); American History (060); Government/Political Science (070); Behavioral and Social Sciences (080); and Component Area Option (090)

Communications (2 courses)

ENGL 1301
ENGL 1302
ENGL 2311

6 SCH

Composition I (required)
Composition II
Technical Writing

Mathematics (1 course)

MATH 1314
MATH 1316
MATH 1324*
MATH 1325*
MATH 1332*

MATH 1342**
MATH 2318
MATH 2320
MATH 2412
MATH 2413
MATH 2414

3 SCH

College Algebra
College Trigonometry
Finite Mathematics
Calculus with Applications
College Mathematics for Liberal Arts
Statistics
Linear Algebra
Differential Equations
Pre-Calculus
Calculus I
Calculus II

*MATH 1324, 1325, and 1332 are not recommended for students pursuing mathematics or science

** MATH 1342 is required for a bachelor’s degree in nursing

Life and Physical Sciences (2 courses)

Students must be simultaneously co-enrolled in the co-requisite science lab.

BIOL 1306
BIOL 1307
BIOL 1308*

6 SCH

General Biology I
General Biology II
Biology I for Non-Science Majors
Biology II for Non-Science Majors
General Botany
General Zoology
Human Anatomy and Physiology I

BIOL 1309*

BIOL 1311
BIOL 1313
BIOL 2301

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Educational Programs

BIOL 2302	Human Anatomy and Physiology II
CHEM 1305*	Introductory Chemistry I
CHEM 1307*	Introductory Chemistry II
CHEM 1311	General Chemistry I
CHEM 1312	General Chemistry II
ENVR 1301	Environmental Science I: Principles of Environmental Systems
GEOL 1301*	Earth Science I
GEOL 1303	Physical Geology
GEOL 1304	Historical Geology
GEOL 1305	Environmental Geology
GEOL 1347	Meteorology
PHYS 1301	College Physics I
PHYS 1302	College Physics II
PHYS 1303	Astronomy I: Planetary
PHYS 1304	Astronomy II: Stellar/Galactic
PHYS 2325	University Physics I
PHYS 2326	University Physics II

**BIOL 1308, 1309 and CHEM 1305, 1307, and GEOL 1301 do not meet the requirements for science majors.*

***BIOL 2301 and 2302 are designed for allied health majors and not for academic transfer as science majors.*

Language, Philosophy, and Culture (1course)
(also referred to as Humanities)

ENGL 2322	A Survey of Early British Literature	3 SCH
ENGL 2323	A Survey of Later British Literature	
ENGL 2327	A Survey of Early American Literature	
ENGL 2328	A Survey of Later American Literature	
ENGL 2332	A Survey of Early World Literature	
ENGL 2333	A Survey of Later World Literature	
ENGL 2341	Literature and Film	
ENGL 2351	Mexican-American Literature	
GEOG 1302	Cultural Geography	
HIST 2321	World Civilization I	
HIST 2322	World Civilization II	
HUMA 1301	Introduction to Humanities I	
HUMA 1302	Introduction to Humanities II	
PHIL 1301	Introduction to Philosophy	
PHIL 2306	Introduction to World Religions	

Creative Arts (1 course)
(also referred to as Fine Arts)

ARTS 1301	Art Appreciation	3 SCH
ARTS 1303	Art History I	
ARTS 1304	Art History II	
DANC 2303	Dance Appreciation	
DRAM 1310	Theatre	
DRAM 2366	Film Appreciation I	
MUSI 1306	Listening to Music	
MUSI 1307	Survey of Music Literature	
MUSI 1310	American Popular Music	

American History (2 courses)

HIST 1301	American History Before 1877	6 SCH
HIST 1302	American History After 1877	
HIST 2301	History of Texas	
HIST 2327	Mexican-American History I	
HIST 2328	Mexican-American History II	

Government/ Political Science (2 courses)

GOVT 2305*	Federal Government	6 SCH
GOVT 2306*	Texas Government	

**Students who have taken GOVT 2301 or GOVT 2302, but not both, should check with an educational planner on how to complete the 6 SCH.*

Social and Behavioral Sciences (1 course)

ANTH 2302	Introduction to Archaeology	3 SCH
ANTH 2346	General Anthropology	
ANTH 2351	Cultural Anthropology	
ECON 2301	Principles of Macroeconomics	
ECON 2302	Principles of Microeconomics	
GEOG 1303	World Regional Geography	
GOVT 2304	Introduction to Political Science	
HIST 2311	History of Western Civilization Before 1660	
HIST 2312	History of Western Civilization Since 1660	
PSYC 2301	General Psychology	
SOCI 1301	Introduction to Sociology	
SOCI 2319	Multi-Cultural Studies	

Component Area Option (1course) 6 SCH

2SCH in this option can include the labs for science courses

SPCH 1311	Introduction to Speech Communication
SPCH 1315	Public Speaking
SPCH 1318	Interpersonal Communications
SPCH 1321	Business and Professional Speech
CHIN 1411	Beginning Chinese I
CHIN 1412	Beginning Chinese II
FREN 1411	Beginning French I
FREN 1412	Beginning French II
GERM 1411	Beginning German I
GERM 1412	Beginning German II
SGNL 1401	American Sign Language I
SGNL 1402	American Sign Language II
SPAN 1411	Beginning Spanish I
SPAN 1412	Beginning Spanish II

Other courses that may be used in this component may include any core curriculum course that has not been used to fulfill a previous component.

If a student successfully completes San Jacinto College's 42-hour core curriculum, that block of courses must be substituted for the receiving institution's core curriculum. A student may not be required to take additional core curriculum courses to meet the requirements of the core. Students who transfer without completing the core curriculum shall receive academic credit in the core curriculum of the receiving institution for each of the courses that the student has successfully completed in the San Jacinto College core curriculum.

Students should plan core curriculum courses that would meet baccalaureate degree requirements at the four-year institution.

Institutional Option

In addition to the 42-hour core curriculum, San Jacinto College requires six (6) hours of credit in the Institutional Option — a student success course and a computer literacy course. The College has determined that these courses improve student success in education and professional life. Students who are determined to be college-ready based on placement scores are required to take either EDUC 1300 Learning Framework or PSYC 1300 Learning Framework. Students who require college preparatory course work are required to take GUST 0305 College Student Success as part of their course work. A student who has completed GUST 0305 may choose to take an academic elective in lieu of EDUC 1300 or PSYC 1300 for 3 hours of the institutional option.

Students are required to take either BCIS 1305 Business Computer Applications or ITSC 1309 Integrated Software Applications to complete the computer literacy requirement. Students can opt out of the computer literacy requirement by scoring more than 75 percent or higher on the computer literacy exam. Students are only allowed to take the test once. There is a \$20 exam fee. The computer literacy exam is administered by the Testing Center on each campus. Students who successfully pass the computer literacy exam may choose to take an elective that would apply towards their transfer degree. Credit-by-exam is not awarded for passing the computer literacy exam.

Transfer Path

San Jacinto College offers academic transfer courses — that is, courses found in the *Academic Course Guide Manual (ACGM)* — for those students who wish to pursue a baccalaureate degree at a four-year or upper-level college or university. Before enrolling in academic transfer courses, students should discuss their career goals with an educational planner/counselor and explore the requirements for meeting those goals. Students should research the next level of their education and determine if lower-division academic transfer courses will meet the requirements of the baccalaureate institution. If a student accumulates additional hours beyond the core curriculum, those hours may apply to the transfer path and become part of the associate degree.

Students should consider all options and should define the requirements for each option. Those considerations should include determining whether or not the college or university offers the program of study they plan to pursue, if they are eligible for the program, and if they are able to meet the enrollment and financial requirements.

Students should discuss TSI-required test scores with an educational planner/counselor and understand what the test scores mean and how they may affect the selection of courses. While college preparatory courses are important for student success, these courses do not transfer for college credit applied to a degree. The Course Descriptions section of the Catalog notes that many courses have reading, writing, or mathematics skill requirements, which are determined by the placement tests students take upon entry.

Counselors are available to help students determine which and how many courses they should take. The normal load in a Spring or Fall term is 15 or 16 credit hours; however, students who work more than 10 hours a week, have family obligations, or commute long distances should take fewer hours.

After talking with an educational planner/counselor, students should consider other steps involved in selecting and completing degree requirements. They should consider taking review courses or college preparatory courses if their backgrounds are weak in certain subjects or if a long period of time has passed since they studied a particular subject. Students should take courses in the proper sequence. Some courses have course prerequisites, meaning that certain courses must be completed prior to enrolling in more advanced courses.

Students who have completed college credit at another accredited college or university prior to enrolling at San Jacinto College must submit official transcripts to the Enrollment Services Office. Students pursuing a degree at San Jacinto College must request that those transcripts be evaluated in order to determine which courses will transfer and apply to the majors which they have selected at San Jacinto College.

Field of Study

Field of study curricula were mandated in Senate Bill 148 of the 75th Texas Legislature (1997). Core curricula and field of study curricula are intended to facilitate free transferability of lower-division academic courses among Texas public colleges and universities, if a student successfully completes a field of study curriculum. Fields of study are developed by the Texas Higher Education Coordinating Board, but not for all majors. The block of courses in the field of study may be transferred to a general academic teaching institution in Texas and must be substituted for that institution's lower-division (freshman and sophomore level) requirements for the degree program in that field of study. The student will receive full academic credit toward the degree program for the block of courses transferred.

A student who transfers from one institution of higher education to another, without completing all courses in the field of study curriculum at the sending institution, will receive academic credit in the field of study curriculum of the receiving institution for each of the courses that the student has successfully completed. Following receipt of credit for these courses, the student may be required to satisfy the remaining course requirements in the field of study curriculum at the receiving institution. A student concurrently enrolled at more than one institution of higher education should follow the field of study curriculum requirements of the institution at which the student is classified as a degree-seeking student.

The academic A.A. and A.S. degree plans are designed to allow smooth transfer into a baccalaureate degree program at an upper-level institution. The Texas Higher Education Coordinating Board developed selected Fields of Study for specific academic majors. In general, a student planning to complete a baccalaureate degree in one of these areas is best served by pursuing the Associate Field of

Study A.A. or A.S. degree plans. A separate degree plan has been provided for each of the currently approved fields of study options under the associate of arts or associate of science degrees.

If a course is not listed as a field of study course, a student can still transfer the course if there is a local agreement between the sending and receiving institutions.

For a number of students, credits in some of these fields of study courses would also satisfy components of the core curriculum.

Field of Study Curriculum for Business

The Associate of Arts in Business Field of Study curriculum has been adopted to meet the needs of those students wishing to transfer into a Bachelor of Business Administration (B.B.A.) degree program at an upper-level institution. The curriculum would also apply to institutions that award the Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree with a major in business, including all business specializations. Courses in the field of study curriculum for business include the following:

ACCT 2301	Accounting Principles I
ACCT 2302	Accounting Principles II
BCIS 1305	Business Computer Applications
ECON 2301	Principles of Macroeconomics
ECON 2302	Principles of Microeconomics
MATH 1325	Calculus with Applications
SPCH 1321	Professional Speech (preferred) or
SPCH 1315	Public Speaking or Business

Students should plan core curriculum and transfer courses that would meet baccalaureate degree requirements at the four-year institution.

Field of Study Curriculum for Communications

The A.A. in Communication Field of Study curriculum has been adopted to meet the needs of those students wishing to transfer into a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree at an upper-level institution. Communication degrees must be flexible and adaptable due to rapidly changing and emerging communication technologies. The Field of Study curriculum provides a framework within which (1) current students may transfer more easily between state-supported institutions and (2) new communication media degrees may be developed or adapted as the communication technology evolves. The Associate of Arts in Communications would be appropriate for students interested in majoring in advertising or public relations, journalism or mass communications, radio and television broadcasting, or broadcast journalism or general communications; communication studies; speech communication; speech and rhetorical studies; or organizational communications.

Courses in the field of study curriculum for communication include the following:

COMM 1307	Mass Communications
COMM 1318	Photography I
COMM 2311	Reporting I
COMM 2315	Reporting II
COMM 2327	Principles of Advertising

Students should plan core curriculum and transfer courses that would meet baccalaureate degree requirements at the four-year institution.

Field of Study Curriculum for Computer Science

The Associate of Science (A.S.) in Computer Science Field of Study curriculum has been adopted to meet the needs of those students wishing to transfer into a Bachelor of Science (B.S.) in Computer Science at an upper-level institution. Courses for field of study curriculum for computer science include the following:

COSC 1336	Programming Fundamentals I
COSC 1337	Programming Fundamentals II
COSC 2325	Computer Organization and Machine Language
COSC 2336	Programming Fundamentals III
MATH 2413	Calculus I
MATH 2414	Calculus II
PHYS 2425	University Physics I 2325/2125
PHYS 2426	University Physics II 2326/2126

Students should plan core curriculum and transfer courses that would meet baccalaureate degree requirements at the four-year institution.

Field of Study Curriculum for Criminal Justice

The Associate of Arts (A.A.) in Criminal Justice Field of Study curriculum has been designed to meet the needs of those students wishing to transfer into a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) with a major in criminal justice at an upper-level institution, including all criminal justice specializations. Up to a total of six additional credit hours of criminal justice-related lower-division course work may be transferred by local agreement or required by the receiving institution, as long as the additional credit does not duplicate any other requirement within the field of study curriculum. Courses in the field of study for criminal justice include the following:

CRIJ 1301	Introduction to Criminal Justice
CRIJ 1306	Court Systems & Practices
CRIJ 1310	Fundamentals of Criminal Law
CRIJ 2313	Correctional Systems & Practices
CRIJ 2328	Police Systems & Practices

Students should plan core curriculum and transfer courses that would meet baccalaureate degree requirements at the four-year institution.

Field of Study Curriculum for Engineering

The Associate of Science (A.S.) in Engineering Field of Study curriculum has been designed to promote maximum transferability for students while still preserving appropriate curricular diversity for institutions.

(Note: The field of study curriculum contains no field-specific courses for the various branches of engineering.)

Courses in the field of study for engineering that are offered at San Jacinto college include the following courses:

*CHEM 1412	General Chemistry II
*MATH 2318	Linear Algebra
*MATH 2320	Differential Equations
MATH 2413	Calculus I
MATH 2414	Calculus II
MATH 2415	Calculus III
PHYS 2425	University Physics I 2325/2125
PHYS 2426	University Physics II 2326/2126

**To be taken only if required by specific programs at transfer institutions.*

Courses contained in the field of study curriculum for engineering will transfer freely among Texas institutions of higher education if the program of the receiving institution requires them. Receiving institutions may, however, require transfer students to successfully complete courses that are not part of this field of study curriculum, if completion of those courses is required of all students to receive a baccalaureate degree in engineering. In addition, the receiving institution can specify minimum acceptable grades for courses accepted in transfer.

Field of Study Curriculum for Mexican American Studies

The following set of fully-transferable courses, totaling 18 semester credit hours (SCH), has been adopted as a field of study for students seeking a bachelor's degree in Mexican-American Studies. Courses in the field of study for Mexican-American studies include the following:

ENGL 2351	Mexican-American Literature
GOVT 2311	Mexican-American Politics
HIST 2327	Mexican-American History I
HIST 2328	Mexican-American History II
HUMA 1305	Introduction to Mexican-American Studies
HUMA 1311	Mexican-American Fine Arts Appreciation
SPAN 2312	Spanish IV

Field of Study Curriculum for Music

The Associate of Arts (A.A.) in Music Field of Study curriculum has been designed to apply to the bachelor of music (B.M.) degree, but may also be applied to the Bachelor of Arts (B.A.), Bachelor of Music Education (B.M.Ed.) or other baccalaureate-level music degrees as deemed appropriate by the awarding institution. Courses in the field of study for music include the following:

Applied Study (MUAP)	8 SCH
Ensemble (MUEN)	4 SCH
Music Literature (MUSI 1308)	3 SCH
Theory/Aural Skills (MUSI)	16 SCH

For students planning to major in music at an institution of higher education, completion of the field of study is deemed more important than completion of the associate degree. Students can complete an associate degree after transferring to the institution of higher education through a process called reverse transfer.

The field of study curriculum shall consist of 27 to 35 lower-division semester credit hours (31 without the keyboard course described below) that are fully transferable. Transfer of credit in ensemble, applied study and theory/aural skills shall be on a course-for-course basis.

Academic credit shall be granted on a course-for-course basis in the transfer of theory/aural skills, applied music and ensemble courses and will be accepted at the credit-hour level of the receiving institution. Full academic credit shall be granted on the basis of comparable courses completed, not on specific numbers of semester credit hours accrued.

In addition to the course work listed above, the maximum recommended transfer credit from the general education core curriculum is 42 semester credit hours. Students shall complete the general education core curriculum in effect at the institution of higher education that grants the baccalaureate degree.

Keyboard (Piano) Competency

Because keyboard (piano) competency is a requirement for most baccalaureate degrees in music, up to four additional semester credit hours of course work pertaining to keyboard (piano) may transfer by agreement between institutions. Keyboard competency courses approved for transfer are courses in group piano or applied lessons that concentrate specifically on skills development for passing keyboard proficiency examinations. Keyboard courses that concentrate primarily on performance literature are not considered to be keyboard competency courses for the purposes of this field of study. Completion of courses leading to keyboard proficiency does not necessarily satisfy the established proficiency requirement at a receiving institution.

Competency, Proficiency and Diagnostic Assessment in Music

Transferring students who have completed the field of study curriculum must satisfy the competency and proficiency requirements of the receiving institution. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. However, diagnostic assessment of transfer students is permissible if the receiving institution routinely conducts diagnostic assessment of native students at the same point in the program of study.

Courses for Specific Degree Programs in Music

Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower-division courses that may be necessary for specific degree programs. Courses selected for inclusion in the field of study curriculum are those considered to be common to lower-division study for most music degrees. Receiving institutions may require transfer students in specialized programs (e.g., jazz studies, performance, composition, music therapy, etc.) to take additional degree-specific lower-division courses that are not included in the field of study curriculum.

Technical Degrees and Certificates

Students may begin with an Associate of Applied Science (A.A.S.) or they may pursue a career pathway in increments, beginning with a marketable skills achievement award and proceed through levels of certificates of technology. Some technical programs provide education beyond the A.A.S. degree.

All A.A.S. degree plans include one or more courses designed to meet each the Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS) requirements. Students successfully complete the curricula requirements of a technical program have passed courses which demonstrate competency in the basic use of computers.

Completion of the semester credit hours for a marketable skills achievement award and or an occupational certificate does not qualify students to participate in the commencement ceremony. For information, see Graduation.

Marketable Skills

Achievement Award

A marketable skills achievement award is awarded to students who complete 9-14 semester credit hours in a particular technical field of study.

Occupational Certificate

The occupational certificate is awarded to students who satisfactorily complete the required technical courses in a 15-23 semester credit hour program, including credit-by-exam or credit-by-certification.

Certificate of Technology

The certificate of technology is awarded to students who complete the required sequence of technical courses in a 24-42 semester credit hour program.

Career Foundation Core

A Career Foundation Core (CFC) Certificate is a level I certificate developed through the Texas Higher Education Coordinating Board. This certificate is based upon the identification of a sequence of *Workforce Education Course Manual* (WECM) courses and learning outcomes that represent a career foundation core within a specific career cluster. A CFC certificate, consisting of at least 24

and no more than 42 semester credit hours, is intended to maximize an individual student's opportunity for immediate job placement with options to pursue the program's associate degree or to transfer to another higher education institution or technical college. This certificate also allows a student to pursue a second year in a specific career pathway.

Level II Certificate of Technology

A level two certificate consists of at least 43 -59 semester credit hours. Students in all level two certificates shall be subject to the requirements of the TSI.

The level two certificate of technology is awarded to students who complete the required sequence of technical courses in a 43 -59 semester credit hour program.

Associate of Applied Science Degree

An A.A.S. degree is awarded to students who complete the technical curricula requirements as outlined in the Technical Programs section of the Catalog, including 15 semester credit hours of general education courses.

Enhanced Skills Certificate

The Enhanced Skills Certificate is considered to be a continuation of the associate of applied science degree program. Therefore, in order to qualify for the Enhanced Skills Certificate, the student must complete all of the A.A.S. requirements for the degree as well as the additional 6-15 semester credit hours required for the certificate. A course for which credit has been earned may not fulfill a requirement for both the degree and certificate. Each course earned can fulfill only one course requirement in the continuum of courses required, and no single course will count for both degree and certificate purposes. For courses which may be repeated multiple times for credit, the course may be utilized, as appropriate, as many times as credit was earned. Substitution for specified courses required in the enhanced skills certificate is not allowed.

Advanced Technical Certificate

An advanced technical certificate is a certificate that has a defined associate or baccalaureate degree as a prerequisite, consisting of at least 16 and no more than 50 semester credit hours. It is focused and clearly related to the prerequisite degree, and meets industry or external agency requirements. An advanced technical certificate is attached to an A.A.S. degree in the same program area as the A.A.S. degree. An A.A.S. degree program provides a shortened track for students who already hold a related degree.

Continuing and Professional Development Certificate Programs

A Continuing and Professional Development (CPD) certificate program is a grouping of related Continuing and Professional Development courses which, when successfully completed, provide a level of technical and occupational skills acceptable by the industry standard for that field. A Continuing Education Unit Certificate (CEU) is 360-779 contact hours and has a coherent sequence of technical CEU courses.

Graduation

Catalog Selection for Graduation

A student becomes eligible to graduate by completing the degree and/or certificate requirements as set forth in the San Jacinto Community College District Catalog. These graduation requirements change periodically to meet the various needs of transfer universities, business and industry (employers), and/or cancellation of courses and programs. The guidelines listed below have been established to assist students in identifying the specific requirements which apply to their chosen programs of study.

San Jacinto College expects that a student will normally graduate under the catalog in effect at the time of the most recent admission. For nursing and other specialized programs, the term of acceptance into the program determines the catalog year. When the elapsed time from initial enrollment to program completion is extended, individual courses may have been replaced or canceled. Counselors or education planners will assist students in the selection of

appropriate courses. Students may consult the new catalog each year to confirm whether their chosen programs have been revised or will be replaced or if a new program has been introduced which may be more appropriate for meeting their education objectives.

Students may request graduation under the program requirements of any catalog in effect during their latest period of continuous enrollment, as long as the program remains approved by the Texas Higher Education Coordinating Board. Continuous enrollment is defined as missing no more than one Fall or Spring term at the time of application for graduation. Students should consider the number of unmet courses remaining to be completed in selecting a catalog.

Campus Selection for Graduation

Students may choose to graduate from the campus of their choice provided they meet the following requirements:

1. The student has completed course work at the campus chosen.
2. The campus offers the program in which the degree or certificate is sought.

Students who have not completed all course requirements, but have completed the residency requirements for a degree from San Jacinto College, may fulfill their course requirements at another regionally accredited institution and transfer the credits to San Jacinto College. The applicable catalog for graduation will be in accordance with the provisions listed above.

Students whose technical program has been discontinued by the College will be provided an opportunity to graduate under a catalog in accordance with the above provisions provided their graduation dates are within the time period in which the College is authorized by the State of Texas to award the degree. Students whose technical programs are discontinued on one campus, but are continued on another campus, are expected to complete their programs on the other campus or they may attempt to earn other degrees.

Graduation Requirements for All Academic and Technical Awards (Degrees/Certificates)

Associate of Arts Degree (AA), Associate of Arts in Teaching Degree (AAT), Associate of Science Degree (AS), Associate of Science in Engineering Science (ASES), and Field of Study (FOS)

Associate of Applied Science Degree (AAS), Certificate of Technology (Level II), Certificate of Technology (Level I), Occupational Certificate (Certificate of Technology Level I), Marketable Skills Achievement Award (MSA), *Enhanced Skills Certificate (Level III) and *Advanced Technical Certificate (Level IV).

San Jacinto College confers the awards above upon students who meet the general requirements for graduation as listed below.

- Meet high school graduation requirement for unconditional admission (must be a high school graduate or the equivalent)
- Meet the completion of 25 percent of the award requirements in residence at San Jacinto College. Residence hours include the college-level courses taken at San Jacinto College that are required and applied to the award. It also includes internal credit-by-exam and credit-by-certification courses taken at San Jacinto College and applied to the award. Courses in the following areas that may appear on the award check are not included in the calculation of the 25 percent residence hours including Electives, Attempted: Withdrawn, Not Passed, or Retaken, or Attempted, Not Counted.
- Meet the minimum final award grade point average (GPA) of 2.0 (C average) which includes all courses used in the award as identified above. Courses in the following areas that may appear on the award check are not included in the calculation of the award GPA requirement including Electives, Attempted: Withdrawn, Not Passed, or Retaken, or Attempted, Not Counted.
 - The award GPA is displayed only on the My San Jac GPS award evaluation (graduation catalogs Fall 2013 and forward) or CAPP award evaluation (graduation catalogs prior to Fall 2013).
- Meet the provisions as described in the section titled Transfer of Credit when transfer credit is to be applied toward an award. (Note: transfer credit is not considered as residence hours)

- Meet with a counselor or educational planner to verify award completion.
- Make formal application for graduation at the enrollment services office. (See Academic Calendar for deadline dates.)

*Requires additional requirements. See Catalog area.

Additional Associate Degrees (Second Degrees)

Students who have completed a degree at San Jacinto College should obtain academic advising before enrolling in another associate's degree. With the following stipulations, students may obtain additional associate's degrees.

Students who have completed a degree at San Jacinto College should obtain academic advising before enrolling in another associate's degree. With the following stipulations, students may obtain additional associate's degrees.

- A student who has received an A.A. may obtain an A.S. or an A.S.E.S., but not another A.A. or A.A.T. degree, by completing a minimum of 12 applicable hours that did not apply to the previous degree.
- A student who has received an A.S. or an A.S.E.S. may obtain an A.A. or A.A.T., but not two A.S. degrees, by completing a minimum of 12 applicable hours that did not apply to the previous degree.
- A student who has received an A.A.T. may obtain an A.S. or an A.S.E.S., but not another A.A.T. or A.A. degree, by completing a minimum of 12 applicable hours that did not apply to the previous degree.
- A student who has received an A.A.S. may obtain an A.A. or A.A.T., or A.S. or an A.S.E.S. by completing all degree requirements.
- A student who has received an A.A.S. may obtain an additional A.A.S. in a different six-digit CIP (Classification of Instructional Programs), by completing all degree requirements.
- Students who have received an A.A., A.S., A.S.E.S. or A.A.T. degree may obtain an A.A.S. degree by completing the required technical courses in the program.

Awarding of Degrees and Certificates

Upon completion of degree and/or certificate requirements, the student must apply for graduation for the credential(s) to be awarded. There is no fee to apply for graduation. Participation in commencement is not a requirement for graduation. Students apply to participate in commencement separately.

- 1. Degree Evaluation:** The student first completes a Degree Evaluation online using SOS and selecting MySanJacGPS or CAPP. Confirm that all requirements for the degree or certificate are completed or in progress. Print a copy and bring it to the Educational Planning and Counseling or Enrollment Services offices by the application deadline date. Submit a Request for Final Graduation Verification with attached Degree Evaluation to the campus Enrollment Services office.
- 2. Application for Degree or Certificate:** The enrollment services office will verify eligibility for graduation.
- 3. Transcripts:** Following the end-of-term posting of grades, the Enrollment Services office verifies that all requirements in progress have been completed and posts the degrees to the student's records. Transcripts may be requested by the student approximately two weeks after the posting of final grades for the term.
- 4. Diplomas:** Diplomas are normally available for pick-up in the Enrollment Services office about three weeks following the posting of final grades for the term.
- 5. Reverse articulation:** Students who have not completed all course requirements, but have completed the residency requirements for a degree from San Jacinto College (i.e., 16 SCH), may fulfill their course requirements at another regionally accredited institution with which San Jacinto College has an agreement and transfer the credits to San Jacinto College. The applicable catalog for graduation will be in accordance with the provisions listed above.

Review for Academic Associate Degree Completion for Students Completing the State-mandated Core Curriculum

Each academic year the Texas Higher Education Coordinating Board requires San Jacinto College to report the students who have completed the state-mandated Core Curriculum which is approximately two-thirds of the hours required for an associate degree. When these students are reported as completing the Core Curriculum, they will then be reviewed by San Jacinto College to determine if they have also completed all the requirements for an associate degree. If all degree requirements are met, the students will be awarded an Associate of Arts degree in General Studies and the degree posted to the official transcript. The students will be notified via the last known email address that the degree has been awarded. The students are eligible to attend the next planned commencement ceremony, and they will receive a graduation diploma.

Awarding San Jacinto College Associate Degrees via Reverse Transfer/Articulation

San Jacinto College participates in the reverse transfer/articulation process with several universities in Texas. This process allows the university to identify transfer students who have completed a minimum of 16 college-level hours in residence at San Jacinto College and send official transcripts showing the course-work completed at the university. San Jacinto College evaluates the transfer work and runs a degree compliance to review the student's record to determine whether the student has met the requirements to be awarded an associate degree. If so, the Associate of Arts in General Studies degree will be awarded and posted to the official transcript. The students will be notified via the last known email address that the degree has been awarded.

Commencement

Students may express their desire to participate in commencement when they submit the Request for Final Graduation Verification form.

Cap and gown for commencement are ordered through the campus bookstore. Honors program graduates, graduates from special programs, and members of Phi Theta Kappa should speak to the program educational planner/counselor regarding specialty regalia for graduation.