

Educational (Academic) Programs

Selection of Catalog and Campus

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 program 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 long, individual courses may have been replaced or canceled. Counselors will assist students in the selection of appropriate courses. Students may consult the new catalog each year to confirm whether their chosen program has 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:

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 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 another campus or they may attempt to earn other degrees.

Core Curriculum

Texas law mandates that all state-supported colleges and universities have a core curriculum consisting of at least 42 hours that will automatically transfer to all Texas public colleges and universities. Embedded within the 42-hour core curriculum are general education student learning outcomes signifying what students learn by earning an A.A. or A.S. degree. Embedded in technical programs, leading to an A.A.S. degree, are 15 hours of general education drawn from courses found in the core curriculum. General education student learning outcomes represent the basic intellectual competencies outlined by the Texas Higher Education Coordinating Board. They include the following:

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READING: Reading at the college level means the ability to analyze and interpret a variety of printed materials.

WRITING: Competency/outcome in writing is the ability to produce clear, correct and coherent prose adapted to purpose, occasion, and audience.

SPEAKING: Competence in speaking is the ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience.

LISTENING: Listening at the college level means the ability to analyze and interpret various forms of spoken communication.

CRITICAL THINKING: Critical thinking embraces methods for applying both qualitative and quantitative skills analytically and creatively to subject matter in order to evaluate arguments and to construct alternative strategies.

COMPUTER LITERACY: Computer literacy at the college level means the ability to use computer-based technology in communicating, solving programs, and acquiring information.

If a student successfully completes San Jacinto College's 43-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 unless the Texas Higher Education Coordinating Board has approved a larger core for the receiving

institution. 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.

Transfer Programs

San Jacinto College offers transfer programs for those students who wish to pursue a baccalaureate degree at a four-year or upper-level college or university. Before enrolling in courses, students should discuss their career goals with a counselor and explore the requirements for meeting those goals.

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 and determining if they are eligible for the program and are able to meet both Enrollment Services and financial requirements.

Students should discuss TSI-required test scores with a counselor and understand what they mean and how they may affect the selection of courses. The Course Descriptions section of the Catalog notes that many courses require certain reading, writing or mathematics skills 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 a 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 background is 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 already completed college credit at another 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 major which they have selected at San Jacinto College.

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Associate of Arts Degree

The Associate of Arts degree (A.A.) is designed for students who plan to transfer to a four-year or upper-level college or university. This degree includes general education courses such as English, mathematics, history and government, which are considered to be core requirements for most baccalaureate degree programs. (See the Required Transfer Core Curriculum section.)

Students are encouraged to complete the requirements of a 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.

Listed are the majors from which students may choose for the associate of arts degree at San Jacinto College. Not all majors which are available at four-year or upper-level colleges and

universities are available at San Jacinto College; however, students may prepare to transfer to a particular program at an upper-level institution by either (1) completing the core requirements of the associate of arts degree at San Jacinto College and selecting other courses in their major field or (2) selecting courses as specified in the transfer plans developed by San Jacinto College in cooperation with senior institutions to which students transfer. Those plans, which are available in the counseling center on each campus, are designed to prepare students to transfer to a particular four-year or upper-level college or university by specifying the courses which are required to complete the first two years of a baccalaureate degree in a particular major.

San Jacinto College Programs Leading to the Associate of Arts Degree

Major Codes

The programs are designed for students who plan to attend a four-year or upper-level college after leaving San Jacinto College. These programs lead to an associate of arts degree:

Codes Majors Major Courses

1ART.....	Art.....	Any ARTS
1BEHV-SCI	Behavioral Sciences.....	Any ANTH, PHIL, PSYC or SOCI
1BIOL.....	Biology.....	Any BIOL
1BUSI.....	Business Administration	Any BUSI, ECON, ACCT 2301, 2302, or BCIS 1305
1BUSI-FOS	A.A. in Business Field of Study	
1CHEM.....	Chemistry.....	Any CHEM
1CHID	Child Development.....	Any TECA, EDUC
1JOUR	Communications.....	Any COMM
1JOUR-FOS.....	A.A. in Communications Field of Study	
1COSC.....	Computer Science.....	Any COSC
1COSC-FOS.....	A.A. in Computer Science Field of Study	
1CRIJ.....	Criminal Justice.....	Any Academic CRIJ
1CRIJ-FOS	AA in Criminal Justice Field of Study	
1DANC.....	Dance.....	Any DANC
1DRAM	Drama.....	Any DRAM
1ENGL	English	Any College-Level ENGL
1ENGR.....	Engineering.....	Any ENGR
1ENGR-FOS.....	AA in Engineering Field of Study	
1FOR-LANG.....	Foreign Language.....	Any CHIN, FREN, GERM, or SPAN
*1G-STUDY.....	General Studies.....	Any Academic Courses
1GEOL	Geology	Any GEOL
1GOVT	Government.....	Any GOVT
1HIST.....	History	Any HIS
1MATH.....	Mathematics	Any College-Level MATH
1MUSI.....	Music.....	Any MUSI, MUAP or MUEN
1MUSI-FOS	A.A. in Music Field of Study	
1MXAM.....	Mexican American Studies	
1MXAM-FOS	A.A. in Mexican American Studies	
1HLTH-PE	Physical Education	Any PHED
1PHIL.....	Philosophy	Any PHIL
1PHYS	Physics	Any PHYS
1PSYC	Psychology.....	Any PSYC
1SOC-SCI.....	Social Science	Any HIST or GOVT
1SOCI	Sociology	Any SOCI
1SPCH	Speech.....	Any SPCH

• Students seeking admission without a major preference should select 1G-STUDY—General Studies—as a major.

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ASSOCIATE OF ARTS DEGREE PLAN Required Transfer Core Curriculum

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 1342, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
ENVR:	1401	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Science majors should refer to Associate of Science Degree Plans.		
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 <u>or</u> PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335		
Physical Education: two activity courses		2 hours
		43-45 hours
Courses in the Major: <i>(may include courses which satisfy core curriculum requirements; must be academic courses)</i>		12 hours
Electives: <i>(student's choice of any college-level course, except PHED activity courses)</i>		5-6 hours
Total Credit Hour Requirements for the Associate of Arts Degree		61 hours
Additional Requirements for the Associate of Arts Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL 1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

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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 have not yet been approved 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 shall 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, shall 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 shall 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 a senior institution. The Texas Higher Education Coordinating Board developed selected Field of Studies 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 field of study options under the Associate of Arts or Associate of Science degrees including:

Field of Study Curriculum for Business

The A.A. in Business Field of Study curriculum has been adopted to meet the needs of those students wishing to transfer into a B.B.A. degree program at a senior 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.

Specified Core Courses

ECON 2301	Principles of Macroeconomics
MATH 1325	Calculus with Applications
SPCH 1315 or SPCH 1321 (preferred)	Public Speaking or Business and Professional Speech

Courses in Major

ECON 2302	Principles of Microeconomics
BCIS 1305	Business Computer Applications
ACCT 2301	Accounting Principles I
ACCT 2302	Accounting Principles II

A total of six additional credit hours of business-related lower-division course work may be transferred by local agreement between institutions or required by the receiving institution, as long as the additional credit does not duplicate any other requirement within the field of study curriculum.

Degree programs in Information Systems, Computer Information Systems, and Management Information Systems may require additional courses and/or demonstrated proficiency in computer programming.

International business and other business programs with a specific international focus may require additional courses and/or demonstrated proficiency in foreign language.

Joint degree programs in which the degree awarded is a business degree, but the program is jointly offered by a business and a non-business discipline (such as a B.B.A. in Actuarial Science offered jointly by a College of Business and a Department of Mathematics and Statistics) may include some or all of any field of study curricular components of the non-business discipline. If no field of study exists for the non-business discipline, the lower-division courses that are normally required of majors in the non-business discipline should be completed as part of lower-division preparation for upper-division work.

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 a senior 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 A.A. in Communications would be appropriate for students interested in majoring in (1) Advertising or Public Relations, (2) Journalism or Mass Com-

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munications, (3) Radio and Television Broadcasting or Broadcast Journalism or (4) General Communications; Communication Studies; Speech Communication; Speech and Rhetorical Studies; or Organizational Communications.

Courses in Major

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

Field of Study Curriculum for Computer Science

The 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 in Computer Science at a senior institution.

Specified Core Courses

MATH 2413	Calculus I
PHYS 2425	University Physics I
PHYS 2426	University Physics II

Courses in Major

COSC 1336	Programming Fundamentals I
COSC 1337	Programming Fundamentals II
COSC 2325	Computer Organization and Machine Language
COSC 2336	Programming Fundamentals III

Field of Study Curriculum for Criminal Justice

The 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 a senior 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.

Specified Core Courses

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

Field of Study Curriculum for Engineering

The 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.)

Specified Core Courses

MATH 2413	Calculus I
MATH 2414	Calculus II
PHYS 2425	University Physics I
PHYS 2426	University Physics II

Courses in Majors

MATH 2414	Calculus II
MATH 2415	Calculus III
*ENGR 2301	Mechanics I
*ENGR 2302	Mechanics II
*MATH 2318	Linear Algebra
*MATH 2320	Differential Equations
*CHEM 1412	General Chemistry II

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

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.

The content areas of the field of study courses are from mathematics, science and engineering. For a number of students, credits in some of these courses would also satisfy components of the core curriculum.

Courses contained in the field of study curriculum for engineering will transfer freely among Texas public 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.

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Field of Study Curriculum for Mexican American Studies

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

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

Field of Study Curriculum for Music

The 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 Majors

Course	Semester Credit Hours
Ensemble (MUEN)	4
Applied Study (MAUP)	8
Theory/Aural Skills (MUSI)	16
Music Literature (MUSI 1308)	3

The field of study curriculum shall consist of 27 to 35 lower-division 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.

Keyboard (Piano) Competency

Because keyboard (piano) competency is a requirement for most baccalaureate degrees in music, up to four additional 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

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

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.

Full Academic Credit

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 credit hours accrued.

General Education Courses

In addition to the course work listed above, the maximum recommended transfer credit from the general education core curriculum is 31–39 term credit hours. Students shall complete the general education core curriculum in effect at the institution that will grant the baccalaureate degree.

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ASSOCIATE OF ARTS IN BUSINESS (1BUSI-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses: ENGL: 1301, 1302		6 hours
Mathematics: at least one course from the following: (Prerequisites enforced) MATH: 1314, 1316, 1324, *1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415		3 hours
Natural Sciences: at least two courses from the following: BIOL: 1406, 1407, 1408, 1409, 1411, 1413 CHEM: 1405, 1407, 1411 and 1412 GEOL: 1403, 1404, 1405, 1447 PHYS: 1401, 1402, 1411, 1412, 2425, 2426		8 hours
Humanities and Visual/Performing Arts: at least two courses from the following: A Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306 B. Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310		6 hours
Behavioral and Social Sciences: at least five courses from the following: A. U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328 B. Political Science—two courses from the following: GOVT 2301, 2302 C. Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; *ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319		15 hours
Oral Communications: at least one course from the following: CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH *1315, 1318, *1321, 2333, 2335		3–4 hours
Physical Education: two activity courses		2 hours
43–44 hours		
FIELD OF STUDY IN BUSINESS:		
<i>*Specified Core Courses Required by the Field of Study:</i>		
ECON:	2301 Principles of Macroeconomics	3 hours
MATH:	1325 Calculus with Applications	3 hours
SPCH:	1315 Public Speaking or SPCH 1321 Business and Professional Speech	3 hours
<i>Courses in the Major for the Field of Study:</i>		12 hours
ECON:	2302 Principles of Microeconomics	3 hours
BCIS:	1305 Business Computer Applications	3 hours
ACCT:	2301 Accounting Principles I	3 hours
ACCT:	2302 Accounting Principles II	3 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		5 hours
A.A. in BUSINESS—Field of Study		60-61 hours
Additional Requirements for the Associate of Arts in Business Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

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ASSOCIATE OF ARTS IN COMMUNICATIONS (1JOUR-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3–4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3–4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		43–45 hours
FIELD OF STUDY IN ADVERTISING/PUBLICATIONS or JOURNALISM/MASS COMMUNICATIONS:		
<i>Courses in the Major for the Field of Study:</i>		15 hours
COMM:	1307 Mass Communications	3 hours
COMM:	2311 Reporting I	3 hours
COMM:	2315 Reporting II	3 hours
COMM:	2327 Principles of Advertising	3 hours
COMM:	1318 Photography I	3 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		3 hours
A.A. in COMMUNICATIONS—Field of Study		61–63 hours
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

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ASSOCIATE OF ARTS IN CRIMINAL JUSTICE (1CRIJ-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3–4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3–4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
43–45 hours		
FIELD OF STUDY IN CRIMINAL JUSTICE:		
<i>Courses in the Major for the Field of Study:</i>		15 hours
CRIJ:	1301 Introduction to Criminal Justice	3 hours
CRIJ:	1306 Court Systems & Practices	3 hours
CRIJ:	1310 Fundamentals of Criminal Law	3 hours
CRIJ:	2313 Correctional Systems & Practices	3 hours
CRIJ:	2328 Police Systems & Practices	3 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		3 hours
A.A. in CRIMINAL JUSTICE–Field of Study		61–63 hours
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF ARTS IN MUSIC (1MUSI-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3–4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
ENVR:	1401	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		3 hours
A	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3–4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		34–35 hours
FIELD OF STUDY IN MUSIC:		
<i>Courses in the Major for the Field of Study:</i>		31 hours
MUEN:	Approved Applied Music	4 hours
MUAP:	Approved Applied Music	8 hours
MUSI:	1211 Music Theory I concurrent with MUSI 1216 Ear Training and Sight Singing I	4 hours
MUSI:	1212 Music Theory II concurrent with MUSI 1217 Ear Training and Sight Singing II	4 hours
MUSI:	2211 Music Theory III concurrent with MUSI 2216 Ear Training and Sight Singing III	4 hours
MUSI:	2212 Music Theory IV concurrent with MUSI 2217 Ear Training and Sight Singing IV	4 hours
MUSI:	1307 Music Literature	3 hours
A.A. in MUSIC–Field of Study		70–72 hours
Additional Requirements for the Associate of Arts in Music Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

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 Required Transfer 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 A.S. degree options have state-required courses.

Students seeking an associate of science degree should take courses designed for majors rather than courses for non-majors.

Students are encouraged to complete the requirements of an associate degree before transferring to a senior college or university to complete a baccalaureate degree. 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.

Listed are the majors available under the associate of science degree at San Jacinto College. Not all majors which are available at four-year or upper-level colleges and universities are available at San Jacinto College; however, students may prepare to transfer to a particular program at an upper-level institution

by either (1) completing the core requirements at San Jacinto College and selecting additional mathematics and science courses in their major field or (2) selecting courses as specified in the transfer plans developed by San Jacinto College in cooperation with specific senior institutions. Those plans, which are available in the student development center on each campus, are designed to prepare students to transfer to a particular four-year or upper-level college or university by specifying the courses which are required to complete the first two years of a baccalaureate degree in a particular major.

San Jacinto College Programs leading to the Associate of Science Degree

Major Codes

These programs are designed for students who plan to attend a four-year or upper-level college after leaving San Jacinto College. These programs lead to an associate of science degree.

Codes	Majors
2COS-FOS	AS in Computer Science Field of Study
2ENGR-FOS	AS in Engineering Field of Study
2NURS-FOS	AS in Nursing Field of Study
2PHYSI-AS	AS in Physical Science
2MATH-AS	AS in Mathematics
2LIFESCI-AS	AS in Life Science
2BIOTEC-AS	AS in Biotechnology
2ENVSCI-AS	AS in Environmental Science

Associate of Science Degree

San Jacinto College confers the associate of science (A.S.) degree upon students who meet the general and core requirements for graduation:

1. Meet entrance requirements for unconditional admission.
2. Complete at least 61 term credit hours of college-level (non-college preparatory) course work, as prescribed by the degree, including a maximum of two term hours of physical education activity courses. Scholarship athletes may apply up to two hours of varsity sports toward free electives in addition to the basic physical education requirement.
3. Have a minimum cumulative grade point average of at least 2.0 (C average) on all college-level course work completed at San Jacinto College. The Graduation GPA is displayed on the CAPP Graduation Check.
4. Meet the provisions as described in the section titled Transfer of Credit when transfer credit is to be applied toward a degree.
5. Have at least 24 term hours of college-level credit earned at San Jacinto College, not including credit by examination.
6. Complete two term hours of physical education activity courses. Students who are excused from physical education because of military service or a medical waiver must take additional courses to replace the two hours toward the minimum required hours for the degree.
7. Make formal application for graduation at the enrollment services office. (See Calendar for deadline dates.)
8. Complete the required transfer core curriculum and specified courses which comprised the major component for the degree.
9. Satisfy the computer literacy requirements.*

**See samples of the Associate of Arts in Teaching degree plans and various concentrations.*

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN BIOTECHNOLOGY (2BIOT-AS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses: ENGL: 1301, 1302		6 hours
Mathematics: at least one course from the following: (Prerequisites enforced) MATH: 1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415		3-4 hours
Natural Sciences: at least two courses for majors from the following: BIOL: 1406, 1407, 1408, 1409, 1411, 1413 CHEM: 1405, 1407, *1411, *1412 GEOL: 1403, 1404, 1405, 1447 PHYS: 1401, 1402, 1411, 1412, 2425, 2426		8 hours
Humanities and Visual/Performing Arts: at least two courses from the following: A. Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306 B. Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310		6 hours
Behavioral and Social Sciences: at least five courses from the following: A. U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328 B. Political Science—two courses from the following: GOVT 2301, 2302 C. Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319		15 hours
Oral Communications: at least one course from the following: CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335		3-4 hours
Physical Education: two activity courses		2 hours
		43-45 hours
BIOTECHNOLOGY CONCENTRATION:		
<i>*Specified Core Courses:</i>		
CHEM: 1411 Chemistry I		4 hours
CHEM: 1412 Chemistry II		4 hours
<i>Courses in the major (in addition to the general core science requirements):</i>		12 hours
Students desiring to major in a biotechnology field within a Bachelor of Science degree must meet specific requirements. These requirements vary with the transfer (receiving) institution. Students should see a counselor to determine an appropriate selection of major courses and electives.		
BIOL: 1406 General Biology I	BIOL 1411 Botany	
BIOL: 1407 General Biology II	BIOL 1413 Zoology	
BIOL: 2421 Microbiology	BIOL 2416 Genetics	
BITC: 1311 Introductory to Biotechnology		
(this course may not be transferable to all institutions)		
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		6 hours
A.S. in BIOTECHNOLOGY		61-63 hours
Additional Requirements for the Associate of Science in Environmental Science Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE OR COMPUTER ENGINEERING (2COS-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, *2413, *2414, or 2415	
Natural Sciences: at least two courses for majors from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
ENVR:	1401	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, *2425, *2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		43-45 hours
FIELD OF STUDY IN COMPUTER SCIENCE:		
<i>*Specified Core Courses Required by the Field of Study:</i>		
MATH:	2413 Calculus I	4 hours
MATH:	2414 Calculus II	4 hours
PHYS:	2425 University Physics I	4 hours
PHYS:	2426 University Physics II	4 hours
<i>Courses in the Major for the Field of Study:</i>		12 hours
COSC:	1336 Programming Fundamentals I	3 hours
COSC:	1337 Programming Fundamentals II	3 hours
COSC:	2336 Programming Fundamentals III	3 hours
COSC:	2325 Digital Computer Architecture and Programming	3 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		6 hours
A.S. in COMPUTER SCIENCE-Field of Study		61-63 hours
Additional Requirements for the Associate of Science in Computer Science Degree		
Computer Literacy - Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN ENGINEERING (2ENGR-FOS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses for majors from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, *2425, *2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		43-45 hours
FIELD OF STUDY IN ENGINEERING:		
<i>*Specified Core Courses Required by the Field of Study:</i>		
*PHYS:	2425 University Physics I	4 hours
*PHYS:	2426 University Physics II	4 hours
<i>*Specified Core Courses Required by the Field of Study: 8 hours from the following:</i>		8 hours
MATH:	2413 Calculus I	4 hours
MATH:	2414 Calculus II	4 hours
MATH:	2415 Calculus III	4 hours
<i>**These courses may be used if required by specific programs at transfer institutions:</i>		12 hours
**ENGR:	2301 Mechanics I	3 hours
**ENGR:	2302 Mechanics II	3 hours
**MATH:	2318 Linear Algebra	3 hours
**MATH:	2320 Differential Equations	3 hours
**CHEM:	1412 General Chemistry II	4 hours
A.S. in ENGINEERING-Field of Study		63-65 hours
Additional Requirements for the Associate of Science in Engineering Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN ENVIRONMENTAL SCIENCE (2ENVI-AS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses for majors from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, *1411, *1412	
ENVR:	1401	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		43-45 hours
ENVIRONMENTAL SCIENCE CONCENTRATION:		
<i>*Specified Core Courses:</i>		
CHEM:	1411 Chemistry I	4 hours
CHEM:	1412 Chemistry II	4 hours
<i>Courses in the major:</i>		12-16 hours
ENVR:	1401 Environmental Science I	4 hours
ENVR:	1402 Environmental Science II	4 hours
BIOL:	2406 Environmental Biology	4 hours
GEOL:	1405 Environmental Geology	4 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		5-7 hours
A.S. in ENVIRONMENTAL SCIENCE		61-64 hours
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN LIFE SCIENCE (2LIFESCI-AS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses: ENGL: 1301, 1302		6 hours
Mathematics: at least one course from the following: (Prerequisites enforced) MATH: 1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415		3-4 hours
Natural Sciences: at least two courses for majors from the following: BIOL: 1406, 1407, 1408, 1409, 1411, 1413 CHEM: 1405, 1407, *1411, *1412 GEOL: 1403, 1404, 1405, 1447 PHYS: 1401, 1402, 1411, 1412, 2425, 2426		8 hours
Humanities and Visual/Performing Arts: at least two courses from the following: A. Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306 B. Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310		6 hours
Behavioral and Social Sciences: at least five courses from the following: A. U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328 B. Political Science—two courses from the following: GOVT 2301, 2302 C. Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319		15 hours
Oral Communications: at least one course from the following: CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335		3-4 hours
Physical Education: two activity courses		2 hours
		43-45 hours
LIFE SCIENCE CONCENTRATION:		
<i>*Specified Core Courses: Required in major</i>		
CHEM:	1411 Chemistry I	4 hours
CHEM:	1412 Chemistry II	4 hours
<i>Courses in the major (in addition to the general core science requirements):</i>		12-16 hours
Students desiring to major in a life science discipline within a Bachelor of Science degree must meet specific requirements. These requirements vary with the transfer (receiving) institution. Students should see a counselor to determine an appropriate selection of major courses and electives.		
BIOL:	1406 General Biology I and BIOL 1407 General Biology II OR	
BIOL:	1413 Zoology and BIOL 1411 Botany	
BIOL:	2421 Microbiology	
BIOL:	2416 Genetics	
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		3-6 hours
A.S. in LIFE SCIENCE		61-64 hours
Additional Requirements for the Associate of Science in Life Science Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN MATHEMATICS (2MATH-AS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, <u>2318</u> , <u>2320</u> , <u>2313</u> , <u>2414</u> , or <u>2415</u> <i>Note: MATH 1324, 1325, and 1332 are not recommended for meeting the core requirement.</i>	
Natural Sciences: at least two courses for majors from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
GEOL:	<u>1403</u> , <u>1404</u> , 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses		2 hours
		43-45 hours
MATHEMATICS CONCENTRATION:		
<i>Courses in the major (in addition to the general core science requirements):</i>		12-16 hours
Students desiring to major in mathematics should see a counselor to determine an appropriate selection of courses within the major as these requirements may vary with the transfer (receiving) institution.		
MATH:	2318 Linear Algebra	3 hours
MATH:	2320 Differential Equations	3 hours
MATH:	2413 Calculus I	4 hours
MATH:	2414 Calculus II	4 hours
MATH:	2415 Calculus III	4 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		3-7 hours
A.S. in MATHEMATICS		61-64 hours
Additional Requirements for the Associate of Science in Mathematics Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF SCIENCE IN PHYSICAL SCIENCE (2PHYS-AS)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses: ENGL: 1301, 1302		6 hours
Mathematics: at least one course from the following: (Prerequisites enforced) MATH: 1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415		3-4 hours
Natural Sciences: at least two courses for majors from the following: BIOL: 1406, 1407, 1408, 1409, 1411, 1413 CHEM: 1405, 1407, *1411, *1412 GEOL: 1403, 1404, 1405, 1447 PHYS: 1401, 1402, 1411, 1412, 2425, 2426		8 hours
Humanities and Visual/Performing Arts: at least two courses from the following: A. Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306 B. Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310		6 hours
Behavioral and Social Sciences: at least five courses from the following: A. U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328 B. Political Science—two courses from the following: GOVT 2301, 2302 C. Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319		15 hours
Oral Communications: at least one course from the following: CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335		3-4 hours
Physical Education: two activity courses		2 hours
		43-45 hours
PHYSICAL SCIENCE CONCENTRATION:		
<i>*Specified Core Courses:</i>		
CHEM: 1411 Chemistry I		4 hours
CHEM: 1412 Chemistry II		4 hours
<i>Courses in the major (in addition to the general core science requirements):</i>		12-16 hours
CHEM: 2423 Organic Chemistry I		4 hours
CHEM: 2425 Organic Chemistry II		4 hours
GEOL: 1403 Physical Geology		4 hours
GEOL: 1404 Historical Geology		4 hours
PHYS: 1411 Planetary Astronomy		4 hours
PHYS: 1412 Stellar/Galactic Astronomy		4 hours
PHYS: 2425 University Physics I (Prerequisite or Corequisite of MATH 2413 Calculus I)		4 hours
PHYS: 2426 University Physics II (Prerequisite or corequisite of MATH 2414 Calculus II)		4 hours
Electives: (<i>student's choice of any college-level course, except PHED activity courses</i>)		3 hours
A.S. in PHYSICAL SCIENCE		61-64 hours
Additional Requirements for the Associate of Science in Physical Science Degree		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

Associate Degrees in Education

The Associate of Arts in Teaching degree (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.

While the A.A.T. degree was designed for transfer purposes, for those student who decide to “stop out” after completing the A.A.T., this degree meets the No Child Left Behind requirements for paraprofessionals. In addition, completion of the A.A.T. is much like that of an associate of arts or associate of applied science degree in that it may qualify students for work that requires at least an associate’s degree.

Students are encouraged to complete the requirements of the A.A.T. degree at San Jacinto College before transferring to another college or university to complete a baccalaureate degree. Listed are the options within the A.A.T. degree from which students may choose at San Jacinto College.

TECA courses are not included in the A.A.T. degree.

San Jacinto College Programs Leading to the Associate of Arts in Teaching Degree

Major Codes

These programs are designed for students who plan to complete an education degree at a four-year or upper-level college after leaving San Jacinto College. These programs lead to an associate of arts in teaching degree.

Codes	Majors
2TEACH-G	EC-6 & 4-8 General Certification Option
2TEACH-8-12	8-12 Certification with Teaching Field or Discipline Concentration
2TEACH-AL	EC-12 All-Level Certificates

Associate of Arts in Teaching Degree

San Jacinto College confers the Associate of Arts in Teaching (A.A.T.) degree upon students who meet the general and core requirements for graduation:

1. Meet entrance requirements for unconditional admission.
2. Complete at least 61 term credit hours of college-level (non-college preparatory) course work, as prescribed by the degree, including a maximum of two term hours of physical education activity courses. Scholarship athletes may apply up to two hours of varsity sports towards free electives in addition to the basic physical education requirement. Students who graduate as health and education majors only may apply a maximum of four credit hours in any physical education activity courses to their A.A. degree.

3. Have a minimum cumulative grade point average of at least 2.0 (C average) on all college-level course work completed at San Jacinto College. The Graduation GPA is displayed on the CAPP Graduation Check.
4. Meet the provisions as described in the section titled Transfer of Credit when transfer credit is to be applied toward a degree.
5. Have at least 24 term hours of college-level credit earned at San Jacinto College, not including credit by examination.
6. Complete two term hours of physical education activity courses. Students who are excused from physical education because of military service or a medical waiver must take additional courses to replace the two hours toward the minimum required hours for the degree.
7. Make formal application for graduation at the enrollment services office. (See Calendar for deadline dates).
8. Complete the required transfer core curriculum and one of the degree options and related concentrations for the Associate of Arts in Teaching.*
9. Satisfy the computer literacy requirements.*
10. EDUC and TECA Student: Undergo FBI fingerprint and criminal background checks.

**See samples of the Associate of Arts in Teaching degree plans and various concentrations.*

Educational (Academic) Programs

ASSOCIATE OF ARTS IN EARLY CHILDHOOD

Leading to Initial Texas Teacher Certifications
Early Childhood Education (1CHID)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
ENVR:	1401	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Science majors should refer to Associate of Science Degree Plans.		
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses:		2 hours
		43-45 hours
MAJOR CONCENTRATIONS		
Mathematics: two courses in addition to core requirements:		3 hours
MATH:	1350	
Education:		18 hours
EDUC	1301, 2301	
TECA:	1303, 1311, 1318, 1354	
A.A. for 1CHID Early Childhood Education		64 hours
Additional Requirements for the Associate of Arts in Teaching Degree Plan		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL 1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

ASSOCIATE OF ARTS IN TEACHING DEGREE PLAN

Leading to Initial Texas Teacher Certifications
EC-6 and 4-8 (2TEACH-G)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses: ENGL: 1301, 1302		6 hours
Mathematics: at least one course from the following: (Prerequisites enforced) MATH: 1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415		3-4 hours
Natural Sciences: at least two courses from the following: BIOL: 1406, 1407, 1408, 1409, 1411, 1413 CHEM: 1405, 1407, 1411, 1412 GEOL: 1403, 1404, 1405, 1447 PHYS: 1401, 1402, 1411, 1412, 2425, 2426		8 hours
Humanities and Visual/Performing Arts: at least two courses from the following: A. Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or PHIL 1301, 2306 B. Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310		6 hours
Behavioral and Social Sciences: at least five courses from the following: A. U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328 B. Political Science—two courses from the following: GOVT 2301, 2302 C. Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319		15 hours
Oral Communications: at least one course from the following: CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335		3-4 hours
Physical Education: two activity courses:		2 hours
		43-45 hours
ADDITIONAL REQUIREMENTS FOR THE AAT (EC-6 AND 4-8 OPTION)		
Mathematics: two courses in addition to core requirements: MATH: 1350 and 1351		6 hours
Science: at least two courses in addition to core requirements from the following: BIOL: 1406, 1407, 1411, 1413 CHEM: 1411, 1412 GEOL: 1403, 1404, 1405 PHYS: 1401, 1402, 2425, 2426		8 hours
Education: EDUC: 1301 and 2301		6 hours
A.A.T. for EC-6 and 4-8 Option		63-65 hours
Additional Requirements for the Associate of Arts in Teaching Degree Plan		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

Teaching Field/ Academic Discipline Concentrations for Grades 8-12 Certification:

8-12 History (2TCH8-HIST) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

HIST 2311	History of Western Civilization Before 1660
HIST 2312	History of Western Civilization Since 1660
HIST 2321	World Civilization I
HIST 2322	World Civilization II
HIST 1301, 1302, or 2301, if not used to fulfill the requirements of the general core.	

8-12 Social Studies (2TCH8-SSCI) - 12 hours from the following, exclusive of those used to fulfill the general core requirement, and one course from each area:

ECON 2301	Principles of Macroeconomics
ECON 2302	Principles of Microeconomics
GEOG 130	Physical Geography
GEOG 1302	Cultural Geography
GEOG 1303	World Geography
GOVT 2304	Introduction to Political Science
HIST 2311	History of Western Civilization Before 1660
HIST 2312	History of Western Civilization Since 1660
HIST 2321	World Civilization I
HIST 2322	World Civilization II
HIST 1301, 1302, or 2301, if not used to fulfill the requirements of the general core.	

8-12 Mathematics (2TCH8-MATH) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

Specified Core Courses:
CHEM 1411 & 1412 or
PHYS 1401 & 1402 or
PHYS 2425 & 2426

Courses in Major:
MATH 1314 College Algebra
MATH 1316 College Trigonometry
MATH 1342 Statistics
MATH 2312 Elementary Functions
MATH 2318 Linear Algebra
MATH 2320 Differential Equations
MATH 2413 Calculus I
MATH 2414 Calculus II
MATH 2415 Calculus III

8-12 Life Sciences (2TCH8-SCIL) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

Specified Core Courses:
CHEM 1411 & 1412

Courses in Major:
BIOL 1406 General Biology I
BIOL 1407 General Biology II
BIOL 1411 General Botany
BIOL 1413 General Zoology
BIOL 2421 Microbiology

8-12 Physical Sciences (2TCH-SCIP)

Specified Core Courses:
CHEM 1411 & 1412

Courses in Major: 12 hours from the
following with at least one from each
area:

CHEM 2423 Organic Chemistry I
CHEM 2425 Organic Chemistry II
GEOL 1403 Physical Geology
GEOL 1404 Historical Geology
PHYS 1401 College Physics I
PHYS 1402 College Physics II
PHYS 1411 Planetary Astronomy
PHYS 1412 Stellar/Galactic
Astronomy
PHYS 2425 University Physics I
PHYS 2426 University Physics II

8-12 Science (2TCH8-SCI)

Specified Core Courses:
CHEM 1411 & 1412

Courses in Major: 12 hours from the
following with at least one from three
areas:

BIOL 1406	General Biology I
BIOL 1407	General Biology II
BIOL 1411	General Botany
BIOL 1413	General Zoology
CHEM 2423	Organic Chemistry I
CHEM 2425	Organic Chemistry II
GEOL 1403	Physical Geology
GEOL 1404	Historical Geology
PHYS 1401	College Physics I
PHYS 1402	College Physics II
PHYS 1411	Planetary Astronomy
PHYS 1412	Stellar/Galactic Astronomy
PHYS 2425	University Physics I
PHYS 2426	University Physics II

8-12 English Language Arts & Reading (2TCH8-ELAR) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

ENGL 2322	Survey of Early British Literature
ENGL 2323	Survey of Later British Literature
ENGL 2327	Survey of Early American Literature
ENGL 2328	Survey of Later American Literature
ENGL 2332	Survey of Early World Literature
ENGL 2333	Survey of Later World Literature

8-12 Computer Science (2TCH8-CSCI)

COSC 1336	Programming Fundamentals I
COSC 1337	Programming Fundamentals II
COSC 2336	Programming Fundamentals III
COSC 2325	Digital Computer Architecture & Programming

Educational (Academic) Programs

8-12 Speech (2TCH8-SPCH) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

SPCH 1315	Public Speaking
SPCH 1318	Interpersonal Communications
SPCH 1321	Business and Professional Speech
SPCH 1342	Voice and Diction
SPCH 2333	Discussion and Small Group Communication
SPCH 2335	Argumentation and Debate
SPCH 2336	Forensics
SPCH 2341	Oral Interpretation

8-12 Journalism (2TCH8-JOUR) - 12 hours from the following, exclusive of those used to fulfill the general core requirement:

COMM 1307	Mass Communications
COMM 1318	Beginning Photography
COMM 1319	Intermediate Photography
COMM 2309	Editing I
COMM 2311	Reporting I
COMM 2315	Reporting II
COMM 2327	Principles of Advertising

8-12 Mathematics & Physics (2TCH8-SCIM) - 12 hours from the following, exclusive of those used to fulfill the general core requirement, with at least one course from each area:

Specified Core Courses:

PHYS 2425 & 2426

Courses in Major:

MATH 1314	College Algebra
MATH 1316	College Trigonometry
MATH 1342	Statistics
MATH 2312	Elementary Functions
MATH 2318	Linear Algebra
MATH 2320	Differential Equations
MATH 2413	Calculus I
MATH 2414	Calculus II
MATH 2415	Calculus III

PHYS 1401	College Physics I
PHYS 1402	College Physics II
PHYS 2425	University Physics I
PHYS 2426	University Physics II

8-12 Foreign Languages (2TCH8-FRNL) - at least 12 hours from the following, exclusive of those used to fulfill the general core requirement, with at least one from each area:

CHIN 1411	Beginning Chinese I
CHIN 1412	Beginning Chinese II
CHIN 2311	Intermediate Chinese I
CHIN 2312	Intermediate Chinese II
FREN 1411	Beginning French I
FREN 1412	Beginning French II
FREN 2311	Intermediate French I
FREN 2312	Intermediate French II
GERM 1411	Beginning German I
GERM 1412	Beginning German II
GERM 2311	Intermediate German I
GERM 2312	Intermediate German II
SPAN 1411	Beginning Spanish I
SPAN 1412	Beginning Spanish II
SPAN 2311	Intermediate Spanish I
SPAN 2312	Intermediate Spanish II

8-12 Dance (2TCH8-DANC) - at least 12 hours from the following, exclusive of those used to fulfill the general core:

DANC 1341	Ballet I
DANC 1342	Ballet II
DANC 2341	Ballet III
DANC 2342	Ballet IV
DANC 1345	Modern I
DANC 1346	Modern II
DANC 2345	Modern III
DANC 2346	Modern IV
DANC 2325	Anatomy and Kinesiology

8-12 Mathematics & Physical Science & Engineering (TCH8-SCIE) - at least 12 hours from the following, exclusive of those used to fulfill the general core requirement with at least one course from each area:

Specified Core Courses:

CHEM 141411 & 1412

Courses in Major:

ENGR 2301	Mechanics I
ENGR 2302	Mechanics II
ENGR 2304	Computer Programming
ENGR 2332	Strength of Materials
MATH 1314	College Algebra
MATH 1316	College Trigonometry
MATH 1342	Statistics
MATH 2312	Elementary Functions
MATH 2318	Linear Algebra
MATH 2320	Differential Equations
MATH 2413	Calculus I
MATH 2414	Calculus II
MATH 2415	Calculus III
PHYS 1401	College Physics I
PHYS 1402	College Physics II
PHYS 1411	Introductory Astronomy
PHYS 2425	University Physics I
PHYS 2426	University Physics II

8-12 Geography (2TCH8-GEOG - UHCL Transfers Only) - at least 12 hours from the following, exclusive of those used to fulfill the general core requirement, with at least one course from each area:

GEOG 1301	Physical Geography
GEOG 1302	Cultural Geography
GEOG 1303	World Regional Geography
CRTG 1311	Introduction to Geographic Information Systems

Please consult with Counseling for information regarding the college or university to which you plan to transfer.

Educational (Academic) Programs

ASSOCIATE OF ARTS IN TEACHING DEGREE PLAN

Leading to Initial Texas Teacher Certifications

8–12 with (Teaching Field/Academic Discipline Concentrations) (2TEACH–8–12)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
ENVR:	1401	
GEOG:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351 or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301, 2327, 2328	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2346, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3–4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses:		2 hours
		43–45 hours
ADDITIONAL REQUIREMENTS FOR THE AAT (8–12 WITH CONCENTRATIONS)		
Education: two courses in addition to the core requirements from the following:		6 hours
EDUC:	1301 and 2301	
Teaching Field or Academic Discipline Concentration*:		12 hours
	*Please see specific options for specific certification areas on the following two (2) pages.	
A.A.T. for 8–12 with Teaching Area or Discipline Concentration Option		61-63 hours
Additional Requirements for the Associate of Arts in Teaching Degree Plan		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325; ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303; DFTG 1409; EDTC 1341; ENGL1301; ITSC 1301, ITSC 1305, ITSC 1309; ITSW 2334; POFI 1341, POFI 1349, POFT 2301; SPCH 1145, SPCH 2335; SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

Teaching Field/ Academic Discipline Concentrations for EC-12 All-level Certification:

EC-12 Music (2TCHAL-MUS) – at this time music students wishing to pursue a music education major should complete the **A.A.-FOS** in Music before transferring to a senior institution.

EC-12 Physical Education (2CHAL-PHE) - 12 hours from the following:

PHED 1301	Foundations of Physical Education
PHED 1304	Personal/Community Hlth
PHED 1306	First Aid
PHED 1308	Officiating Major Sports
PHED 1332	Recreational and Elementary Games

EC-12 Art (2TCHAL-ART) - 12 hours from the following:

Specified Core Courses:

ARTS 1303	Art History I or
ARTS 1304	Art History II

Courses in Major:

ARTS 1311	Design I
ARTS 1312	Design II
ARTS 1316	Drawing I
ARTS 1317	Drawing II or any approved ARTS courses

EC-12 Theatre (2CHAL-DRA) - 12 hours from the following:

Specified Core Courses:

DRAM 1310	Theatre
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Courses in Major:

DRAM 1330	Technical Production
DRAM 1341	Stage Makeup
DRAM 1351	Acting I
DRAM 1352	Acting II
DRAM 2331	Technical Production II
DRAM 2336	Voice and Diction
DRAM 2341	Oral Interpretation
DRAM 2351	Acting

Please consult with counseling for information regarding the college or university to which you plan to transfer.

Educational (Academic) Programs

ASSOCIATE OF ARTS IN TEACHING DEGREE PLAN

Leading to Initial Texas Teacher Certifications

EC-12 with (Teaching Field/Academic Discipline Concentrations) (2TEACH-AL)

CORE CURRICULUM REQUIREMENTS:		CREDIT HOURS
Communications (English Rhetoric/Composition): two courses:		6 hours
ENGL:	1301, 1302	
Mathematics: at least one course from the following: (Prerequisites enforced)		3-4 hours
MATH:	1314, 1316, 1324, 1325, 1332, 2312, 2318, 2320, 2413, 2414, or 2415	
Natural Sciences: at least two courses from the following:		8 hours
BIOL:	1406, 1407, 1408, 1409, 1411, 1413	
CHEM:	1405, 1407, 1411, 1412	
GEOL:	1403, 1404, 1405, 1447	
PHYS:	1401, 1402, 1411, 1412, 2425, 2426	
Humanities and Visual/Performing Arts: at least two courses from the following:		6 hours
A.	Humanities—one course from the following: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or PHIL 1301, 2306	
B.	Visual/Performing Arts—one course from the following: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUSI 1306, 1307 (formerly 1308 & 1309,) 1310	
Behavioral and Social Sciences: at least five courses from the following:		15 hours
A.	U.S. History—two courses from the following: HIST 1301, 1302, 2301	
B.	Political Science—two courses from the following: GOVT 2301, 2302	
C.	Behavioral and Social Sciences—one course from the following: ANTH 2302, 2351; ECON 2301, 2302; GEOG 1301, 1303; GOVT 2304; HIST 2311, 2312; PSYC 2301; SOCI 1301, 2319	
Oral Communications: at least one course from the following:		3-4 hours
	CHIN 1411, 1412, 2311, 2312; FREN 1411, 1412, 2311, 2312; GERM 1411, 1412, 2311, 2312; SPAN 1411, 1412, 2311, 2312; SPCH 1315, 1318, 1321, 2333, 2335	
Physical Education: two activity courses:		2 hours
		43-45 hours
ADDITIONAL REQUIREMENTS FOR THE AAT (EC-12 ALL LEVEL)		
Education: two courses in addition to the core requirements from the following:		6 hours
EDUC:	1301 and 2301	
Teaching Field or Academic Discipline Concentration for All-Level EC-12*:		12 hours
*Please see specific options for specific certification areas on the next page.		
A.A.T. for EC-12 All-Level Concentration Option		61-63 hours
Additional Requirements for the Associate of Arts in Teaching Degree Plan		
Computer Literacy		
Students must demonstrate basic skill in the use of computers by submitting verification of one of the following:		
1. Credit in one of these courses or equivalent transfer credit: ARTC 1325, ARTS 2313; BCIS 1305; CDEC 2328; COMM 1129, COMM 2129; CPMT 1303, DFTG 1402, DFTG 1409, DFTG 1419; EDTC 1341; ENGL (computerized sections); ITSC 1301, ITSC 1305, ITSC 1309; ITSE 1310; ITMC 1301; ITSW 2334; POFT 1301, POFI 1341, POFI 1349, POFI 2301; SPCH 1134, SPCH 2335, SPCH 2336.		
2. Continuing Education (CEU) credit in a computer applications course		
3. High school credit in a computer applications course		
4. Passing grade on San Jacinto Community College District Computer Literacy Examination		

Educational (Academic) Programs

Associate of Applied Science Degree

An Associate of Applied Science (A.A.S.) degree is awarded to students who complete the general requirements listed below, along with the technical curricula requirements as outlined in the Technical Programs section of the Catalog.

1. Meet entrance requirements for unconditional admission.
2. Have a minimum cumulative grade point average of 2.0 (C average) on all college-level course work attempted at San Jacinto College. The Graduation GPA is displayed on the CAPP Graduation Check.
3. Meet the provisions as described in the section titled Transfer of Credit when transfer credit is to be applied toward a degree.
4. Have at least 24 semester hours of college-level credit earned at San Jacinto College.
5. Have two semester hours of physical education activity courses, unless exemption is permitted. (See physical education in the Course Descriptions section for more information). Students who qualify for exemption from physical education activity courses and who do not have at least 62 semester hours of college-level credit must complete such courses or substitute other courses of at least equal credit value if they wish to receive a degree.

6. Make formal application for graduation at the enrollment services office. (See Calendar for deadline dates.)
7. Demonstrate basic skill in the use of computers.*

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

Certificate of Technology

The certificate of technology is awarded to students who:

1. Complete the required technical courses with a minimum cumulative grade point average of 2.0 (C average) on all college-level course work attempted at San Jacinto College. The Graduation GPA is displayed on the CAPP Graduation Check.
2. Earn at least one-half of the hours required for the certificate at San Jacinto College. (Refer to the section titled Technical Programs for available options.)
3. Make formal application for graduation at the enrollment services office. (See the Academic Calendar for deadline dates.)

Occupational Certificate

The occupational certificate is awarded to students who satisfactorily complete the required courses in either a semester credit hour program or an adult noncredit program in order to meet licensure or credentialing requirements for defined employment purposes.

Semester credit hour programs: To receive an occupational certificate upon completion of a semester credit hour program, the student must:

1. Complete the required courses with a minimum cumulative grade point average of 2.0 (C average) on all college-level course work attempted at San Jacinto College. The Graduation GPA is displayed on the CAPP Degree Evaluation.
2. Earn at least one-half of the hours required for the certificate at San Jacinto College. (Refer to the section titled Technical Programs for available options.)
3. Make formal application for graduation at the Enrollment Services Office. (See the Academic Calendar for deadline dates.)

Note: Completion of the semester credit hour occupational certificate does not qualify students to participate in the commencement ceremony.

Adult Noncredit Programs: To receive an occupational certificate upon completion of the requirements for an adult noncredit program, the student must:

1. Perform at a level indicating mastery of a prescribed series of academic and technical competencies for all required course work in the program.
2. Make formal application for the certificate through the appropriate division office within 30 days after completing the requirements of the program. (See the Technical Programs section for available options.)

Note: Completion of the adult noncredit occupational certificate does not qualify students to participate in the commencement ceremony.

Educational (Academic) Programs

Tech Prep Enhanced Skills Certificate

The Tech Prep Enhanced Skills Certificate is considered to be a continuation of the associate of applied science degree program. Therefore, in order to qualify for the Tech Prep Enhanced Skills Certificate, the student must:

1. Complete all of the requirements for the degree as well as the additional courses 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.
2. Complete all required advanced technical courses at San Jacinto College with a minimum grade of C in each of the advanced courses.

3. Have a minimum cumulative grade point average of 2.0 (C average) on all college-level course work attempted at San Jacinto College. The Graduation GPA is displayed on the CAPP Degree Evaluation.
4. Make formal application for the certificate at the enrollment services office (See the Academic Calendar for deadline dates, the Technical Programs section for available options, and also the procedures listed in the introduction of this Awarding of Degrees and Certificates section).

Certificate of Specialization

A certificate of specialization is awarded to students who complete a certain set of courses in a particular technical field of study. To receive the certificate, the student must:

1. Complete all requirements as specified for a particular certificate of specialization (Certificate requirements may differ. See the section titled Technical Programs for the specific requirements for each certificate.)
2. Make application for the certificate through the division from which the certificate is offered

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, provides a level of technical and occupational skills acceptable by the industry standard for that field.