

# Academic Degrees

## Academic Degrees

The Associate in Arts, the Associate of Arts in Teaching, and the Associate in Science degrees can give you a good start before transferring to a four-year university. These academic degrees provide a solid foundation through a traditional liberal arts education. Studies include the humanities and fine arts, social sciences, communication, teacher education, mathematics, and science. The liberal arts develop critical and analytical skills demanded by constantly changing environments. After transfer to a four-year university, you may concentrate in a major area of study during your junior and senior years.

## Associate in Arts (AA)

The Associate in Arts is intended primarily for students planning on transferring to a senior college or university to receive a baccalaureate degree in the following areas: communication, business, social sciences, humanities, and fine arts. Commencing the fall of 1999, all Associate in Arts academic core curriculum courses taken at HCC are guaranteed to transfer and count toward the core curriculum at all Texas public higher educational institutions.

In addition, if a student successfully completes any part of a field of study (FOS) curriculum developed by the Texas Higher Education Board, the FOS courses will be transferred to a Texas public higher educational institution and must be substituted for that institution's lower division requirements in the degree program containing the field of study. The student shall receive full academic credit for the transferred FOS courses in the related university degree program. HCC has developed specialized transfer plans for specific majors and for specific universities. Students should obtain appropriate transfer plans including FOS courses from a counselor. Students also need to be aware that universities often have limitations on the amount of credit that can transfer from community colleges to universities. That limit is usually around sixty-six semester hours taken at community colleges.

## Associate in Arts

### Required Academic Core\*

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication (choose one) .....	3
ARAB 1411, 1412; COMM 1307; CHIN 1411, 1412; FREN 1411, 1412; GERM 1411, 1412; JAPN 1411, 1412; KORE 1411, 1412; RUSS 1411, 1412; SPAN 1411, 1412; SPCH 1311, 1315, 1318, 1321, 1342, 2335, or 2341; VIET 1411, 1412	
Humanities (choose one) .....	3
ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2353, 2374; PHIL 2306, 2316, 2317	
Mathematics (choose one) .....	3
MATH 1314, 1316, 1324, 1325, 1332, 1342, 2412, 2413, 2414, 2415	
Natural Science with lab .....	4
ASTR 1403, 1404; BIOL 1308 & 1108, 1309 & 1109, 1406, 1407, 1411, 1413, 2401, 2402, 2406, 2416, 2420, 2428; CHEM 1405, 1407, 1411, 1412, 1413, 1414, 2423, 2425; ENVR 1401; GEOL 1401, 1402, 1403, 1404; PHYS 1401, 1402, 2325 & 2125, 2326 & 2126.	
<i>Note: Course must have a lab. Please see p. 57 for Natural Science core curriculum restrictions.</i>	
Natural Science (lab optional) .....	3
ANTH 2301; ASTR 1303, 1304, 1403, 1404; BIOL 1308, 1309, 1322, 1406, 1407, 1411, 1413, 2401, 2402, 2406, 2416, 2420, 2428; CHEM 1305, 1307, 1405, 1407, 1411, 1412, 1413, 1414, 2423, 2425; DANC 2325; ENVR 1301, 1401; GEOG 1301; GEOL 1345, 1347, 1401, 1402, 1403, 1404; PHYS 1305, 1307, 1401, 1402, 2325, 2326.	
<i>Note: Please see p. 57 for Natural Science core curriculum restrictions.</i>	
American History (choose two) .....	6
Choose one from HIST 1301 or 1302	
Choose one from HIST 1301, 1302, 2301, 2328, or 2381	
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Visual/Performing Arts (choose 3 hours) .....	3
ARTS 1301, 1303, 1304, 1311, 1312, 1316, 1317, 2316, 2317, 2323, 2324, 2326, 2327, 2333, 2334, 2341, 2342, 2346, 2347, 2348, 2349, 2356, 2357, 2366, 2367; DANC 1112, 1113, 1210, 1211, 1301, 1305, 1306, 1341, 1342, 1345, 1346, 1347, 1348, 1349, 2112, 2113, 2210, 2301, 2303, 2325, 2341, 2342, 2345, 2346, 2347, 2351, 2352, 2389; DRAM 1161, 1162, 1310, 1320, 1322, 1330, 1341, 1351, 1352, 2331, 2336, 2337, 2338, 2351, 2361, 2363, 2366, 2367, 2389; MUAP 1101-2292 (Music Lessons); MUSI 1131, 1135, 1139, 1140, 1159, 1160, 1161, 1163, 1164, 1166, 1168, 1181, 1182, 1183, 1184, 1188, 1190, 1192, 1211, 1212, 1216, 1217, 1223, 1226, 1227, 1229, 1239, 1254, 1301, 1306, 1308, 1309, 1310, 1386, 2135, 2139, 2140, 2159, 2160, 2161, 2163, 2164, 2181, 2182, 2211, 2212, 2216, 2217, 2223, 2227, 2229, 2239, 2241, 2258, 2266, 2386	

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Social/Behavioral Science (choose one) .....	3
ANTH 2302, 2346, 2351; ECON 2301, 2302, 2311;	
GEOG 1302, 1303, 2312; GOVT 2304; HIST 2389; PHIL	
2307; PSYC 2301, 2389; SOCI 1301, 1306, 2301, 2319,	
2336, 2374; TECA 1354	
Cross/Multicultural Studies (choose one) .....	3
ANTH 2302, 2346, 2351; ARTS 1301, 1303, 1304; ECON	
2311; ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2334,	
2335, 2336, 2341, 2342, 2343, 2353, 2374; DANC 2303,	
EDUC 1325; GEOG 1302, 1303, 2312; HIST 2311, 2312,	
2321, 2322, 2328, 2381; HUMA 1301, 1305, 2319, 2323;	
MUSI 1306, 1308, 1309; PHED 1304; PHIL 1301, 1304,	
2307, 2316, 2317, 2321; PSYC 2370; SOCI 1301, 2319,	
2374; SPCH 1318; any Foreign Language 1411, 1412,	
2311, or 2312.	

## Other Required Courses

College-Level Electives .....	17
<i>* No one course may be used to fulfill more than one core category</i>	

## AA Degree Transfer Advising Plans

### Agricultural Sciences Specialty Area Agricultural Sciences Advising Plan

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication .....	3
Humanities (choose one) .....	3
MATH 1314 College Algebra .....	3
MATH 1324 Finite Mathematics OR MATH 1342 Statistics .....	3
American History .....	6
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
BIOL 1413 General Zoology OR	
BIOL 1411 General Botany .....	4
CHEM 1411 General Chemistry I .....	4
AGRI 1319 General Animal Science .....	3
AGRI 1131 The Agricultural Industry .....	1
AGRI Electives (see department chair for advising) .....	15

### Arts Specialty Area

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication .....	3
Humanities (choose one) .....	3
Mathematics .....	3
Natural Science (one course must have a lab) .....	7
American History .....	6
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Social/Behavioral Science (choose one) .....	3
ARTS 1303 Art History I (Fine Arts) .....	3
ARTS 1304 Art History II (Cross Cultural) .....	3
ARTS 1311 Foundation Design I .....	3
ARTS 1312 Foundation Design II .....	3

ARTS 1316 Foundation Drawing I .....	3
ARTS 1317 Foundation Drawing II .....	3
Electives (see Art department chair for advising) .....	6

### Dance Specialty Area

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication .....	3
Humanities (choose one) .....	3
Mathematics .....	3
Natural Science (one course must have a lab) .....	4
American History .....	6
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Social/Behavioral Science (choose one) .....	3
DANC 2303 Dance Appreciation (Cross Cultural) .....	3
DANC 2325 Anatomy & Kinesiology (Natural Science) .....	3
DANC 1301 Dance Composition .....	3
DANC 1341 & 1342 Ballet I & II (Fine Arts) .....	6
DANC 1345 & 1346 Modern Dance I & II .....	6
DANC 1305 & 1306 World Dance I & II .....	6
DANC 1347 & 1348 Jazz Dance I & II .....	6
(See Dance department chair for advising)	

### Drama Specialty Area

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
SPCH 1342 Voice and Diction (Oral Comm) .....	3
Humanities (choose one) .....	3
Mathematics .....	3
Natural Science (one course must have a lab) .....	7
American History .....	6
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Social/Behavioral Science (choose one) .....	3
DRAM 1310 Introduction to Theatre (Fine Arts) .....	3
DRAM 1322 Stage Movement .....	3
DRAM 1341 Stage Makeup .....	3
DRAM 1351 Acting I .....	3
DRAM 1352 Acting II .....	3
DRAM 1330 Theatre Practice I .....	3
DRAM 2331 Theatre Practice II .....	3
DANC 2303 Dance Appreciation (Cross Cultural) .....	3
(See Drama department chair for advising)	

### Music Specialty Area

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication .....	3
Humanities (choose one) .....	3
Mathematics .....	3
Natural Science (one course must have a lab) .....	7
American History .....	6
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Social/Behavioral Science (choose one) .....	3
Major Instrument (FOS) .....	4
Ensemble (FOS) .....	4

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## Music Specialty Area (cont)

MUSI 1211-1212, 2211-2212 Music Theory (FOS) .....	8
MUSI 1216-1217, 2216-2217 Ear Training/Sight Singing (FOS).....	8
MUSI 1308 Music Literature I (Fine Arts, FOS).....	3
MUSI 1309 Music Literature II (Cross Cultural).....	3

(See Music department chair for advising)

## Journalism / Mass Communication Specialty Areas

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
COMM 1307 Mass Communication (FOS, Oral Communication) .....	3
English Literature (choose one).....	3
MATH 1314 College Algebra .....	3
Natural Science (one course must have a lab).....	7
American History .....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
Social/Behavioral Science.....	3
Fine Arts (choose 3 hours) .....	3
SPCH 1318 (Cross/Multicultural).....	3
COMM 1335 Introduction to Radio/TV (FOS).....	3
COMM 2302 Principles of Journalism (FOS).....	3
COMM 2305 Editing & Layout (FOS) .....	3
COMM 2311 News Gathering & Writing I (FOS) .....	3
Major-related Electives .....	6

(See Communication department chair for advising)

## Advertising / Public Relations Specialty Area

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
COMM 1307 Mass Communication (Oral Communication) .....	3
English Literature (choose one).....	3
MATH 1314 College Algebra .....	3
Natural Science (one course must have a lab).....	7
American History .....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
Fine Arts (choose 3 hours) .....	3
Social/Behavioral Sciences .....	3
Cross Cultural Studies.....	3
COMM 2327 Advertising (FOS).....	3
COMM 2330 Public Relations (FOS).....	3
COMM 2305 Editing and Layout (FOS).....	3
COMM 2311 News Gathering & Editing I (FOS) .....	3
Major-related Electives .....	6

(See Communication department chair for advising)

## Radio And Television Broadcasting / Broadcast Journalism Specialty Areas

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
COMM 1307 Mass Communication (FOS, Oral Comm.) .....	3
English Literature (choose one).....	3
MATH 1314 College Algebra .....	3
Natural Science (one course must have a lab).....	7
American History .....	6
GOVT 2301 Government I.....	3

GOVT 2302 Government II.....	3
Social/Behavioral Science.....	3
Fine Arts (choose 3 hours) .....	3
SPCH 1318 (Cross/Multicultural).....	3
COMM 1335 Introduction to Radio/TV (FOS).....	3
COMM 1336 TV Production I (FOS).....	3
COMM 2311 News Gathering & Writing I (FOS) .....	3
COMM 2366 Introduction to Film.....	3
Major-related Electives .....	6

(See Communication or Broadcast department chair for advising)

## General Communication / Communication Studies / Speech Communication / Speech & Rhetorical Studies /Organizational Communication Specialty Areas

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
SPCH 1311 Intro to Speech Communication (FOS, Oral Comm) .....	3
English Literature (choose one).....	3
MATH 1314 College Algebra .....	3
Natural Science (one course must have a lab).....	7
American History .....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
Social/Behavioral Science.....	3
Fine Arts (choose 3 hours) .....	3
SPCH 1318 (Cross/Multicultural) (FOS).....	3
SPCH 2333 Discussion and Small Group Communication (FOS) .....	3
Speech Performance elective (FOS, choose two courses from: SPCH 1315, 1321, 1342, 2335, 2341).....	3
Major-related Electives .....	12

(see Speech department chair for advising)

## Philosophy Specialty Area

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
Oral Communication.....	3
PHIL 2316 Ancient/Medieval Philosophy (Humanities).....	3
MATH 1314 College Algebra .....	3
Natural Science .....	7
American History .....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
PHIL 2307 (Social/Behavioral Science).....	3
Fine Arts (choose 3 hours) .....	3
Foreign Language 1411 and 1412 (Cross Cultural) .....	8
PHIL 1301 Introduction to Philosophy or PHIL1303 .....	3
PHIL 2303 Logic.....	3
PHIL 2306 Ethics .....	3
PHIL 2317 Modern/Contemporary Philosophy .....	3

## Mexican American Studies Specialty Area

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
SPAN 1411 or SPAN 1412 (by coursework or by CLEP).....	4
ENGL 2351 Mexican American Literature (FOS).....	3
MATH 1314 or MATH 1332 or higher .....	3
Natural Sciences (one course must have a lab).....	7

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HIST 1301 or HIST 1302	3
HIST 2328 Mexican American History II (FOS)	3
GOVT 2301 Government I	3
GOVT 2302 Government II	3
HUMA 2319 American Minorities (Mexican American)	3
HUMA 1311 Mexican American Fine Art Appreciation (FOS)	3
HUMA 2323 or PSYC 2370	3
HUMA 1305 Introduction Mexican American Studies (FOS)	3
GOVT 2311 Mexican American Politics (FOS)	3
SPAN 1412 (by coursework or by CLEP)	4
SPAN 2311 or 2313	3
SPAN 2312 or 2315 (FOS)	3

## Liberal Arts Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication	3
Humanities (choose one)	3
Mathematics	3
Natural Science (one course must have a lab)	7
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Fine Arts (choose 3 hours)	3
Social/Behavioral Science (choose one)	3
Foreign Language 1411(Cross Cultural course)	4
Foreign Language 1412	4
Foreign Language 2311	3
Foreign Language 2312	3
Additional Humanities electives	6

## Criminal Justice Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication	3
Humanities (choose one)	3
MATH 1314 College Algebra	3
PSYC 2317 Behavioral Statistics	3
Natural Science (one course must have a lab)	7
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
CRIJ 1301 Introduction to Criminal Justice (FOS)	3
CRIJ 1306 Courts and Criminal Procedures (FOS)	3
CRIJ 2313 Correctional Systems and Practices (FOS)	3
CRIJ 2328 Police Systems and Practices (FOS)	3
CRIJ 1310 Fundamentals of Criminal Law	3
SOCI 2336 Criminology	3
Cross Cultural (choose 3 hours)	3
Fine Arts (choose 3 hours)	3

## Social/Behavioral Science Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication	3
Humanities (choose one)	3
MATH 1314 College Algebra	3
PSYC 2317 Statistics	3

Biology or Chemistry	8
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Fine Arts (choose 3 hours)	3
PSYC 2301 General Psychology (Behavioral Science course)	3
Anthropology Elective	3
SOCI 1301 Introduction to Sociology (Cross Cultural course)	3
Foreign Language (B.A.) or	14
Additional Math/Science (B.S.)	7
Additional Behavioral Science	0-6

## Pre-Business Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
SPCH 1321 Business & Professional Speech	3
Humanities (choose one)	3
MATH 1314 College Algebra	3
MATH 1324 Finite Mathematics	3
MATH 1325 Calculus with Applications (FOS)	3
Natural Science (one course must have a lab)	7
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Fine Arts (choose 3 hours)	3
PSYC 2301 General Psychology (Behavioral Science)	3
SOCI 1301 Introduction to Sociology (Cross Cultural)	3
ACCT 2301 Principles of Accounting I (FOS)	3
ACCT 2302 Principles of Accounting II (FOS)	3
ECON 2301 Macroeconomics (FOS)	3
ECON 2302 Microeconomics (FOS)	3
BCIS 1405 Business Computer Applications (FOS)	4

## Business Information Systems / CIS / MIS Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
SPCH 1321 Business & Professional Speech	3
Humanities (choose one)	3
MATH 1314 College Algebra	3
MATH 1324 Finite Mathematics	3
MATH 1325 Calculus with Applications (FOS)	3
Natural Science (one course must have a lab)	7
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Fine Arts (choose 3 hours)	3
SOCI 1301 Introduction to Sociology (Cross Cultural)	3
ACCT 2301 Principles of Accounting I (FOS)	3
ACCT 2302 Principles of Accounting II (FOS)	3
ECON 2301 Macroeconomics (FOS)	3
ECON 2302 Microeconomics (FOS)	3
BCIS 1405 Business Computer Applications (FOS)	4
COSC 1436 Programming Fundamentals I	4

# Academic Degrees

## Pre-Nursing (AA to BSN) Specialty Area

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
Humanities (choose one).....	3
Oral Communication elective (choose 3 hours).....	3
American History.....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
PSYC 2317 or MATH 1342 Statistics (Math, FOS).....	3
CHEM 1405 or 1411 or 1413 Chemistry (FOS).....	4
BIOL 1322 Basic Nutrition (FOS).....	3
BIOL 2401 Anatomy & Physiology I (FOS).....	4
BIOL 2402 Anatomy & Physiology II (FOS).....	4
BIOL 2420 Microbiology (FOS).....	4
PSYC 2301 General Psychology (behavioral science, FOS).....	3
PSYC 2314 Human Growth and Development: Lifespan (FOS).....	3
Fine Arts elective (choose 3 hours).....	3
Cross/Multicultural elective.....	3
Elective.....	3

## Associate of Arts in Teaching (AAT)

### Leading to Initial Texas Teacher Certification

The Associate of Arts in Teaching is a state-approved collegiate degree program consisting of lower-division courses intended for transfer to baccalaureate programs that lead to initial Texas teacher certification. There are three AAT curricula which include 60-66 semester credit (SCH) hours of coursework. These three AATs can only be offered by Texas public community colleges, and are fully transferable to any Texas public university offering baccalaureate degree programs leading to initial teacher certification. All AAT academic core curriculum courses taken at HCC are guaranteed to transfer and count toward the core curriculum at all Texas public higher educational institutions.

In addition, if a student successfully completes any part of an AAT field of study (FOS) curriculum as developed by the Texas Higher Education Board, the FOS courses will be transferred to a Texas public higher educational institution and must be substituted for that institution's lower division requirements in the degree program leading to initial Texas teacher certification. The student shall receive full academic credit for the transferred FOS courses in the related university degree program leading to initial Texas teacher certification. HCC has developed specialized transfer plans, in collaboration with the Gulf Coast Teacher Education Consortium. The following universities have approved the AAT plans below for transfer toward initial Texas teacher certification: Prairie View A&M University, Sam Houston State University, Texas A&M University, Texas Southern University, University of Houston, University of Houston-Downtown, University of Houston-Clear Lake, University of

Houston-Victoria, and University of St. Thomas. Students need to be aware that universities often have limitations on the amount of credit that can transfer from community colleges to universities. That limit is usually around sixty-six semester hours taken at community colleges. For more information on university requirements and plan uniqueness including details regarding the Gulf Coast Teacher Education agreement, please see the Transfer Office website and the Teacher Education department chair for advising.

## AAT Degree Transfer Advising Plans

### Associate of Arts in Teaching

#### Leading to all initial teacher certifications in: Early Childhood-Grade 4; Grades 4-8; and Special Education

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
English Literature.....	3
SPCH 1315 Public Speaking or SPCH 1321 Business Speech (Oral).....	3
HIST 2301 Texas History or 1301.....	3
HIST 1302 American History II.....	3
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
MATH 1314 College Algebra.....	3
Biological Lab Science (Choose one course from: 1308/1108, 1406, 1411, 1413, 2401, 2416, 2420 or 2406).....	4
Chemical Lab Science (Choose one course from: CHEM 1305, 1405, 1411, or 1413).....	4
TECA 1354 Child Growth or GEOG 1303 World Geography (Social/Behavioral Science).....	3
Visual/Performing Arts (Choose one course from: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2361, 2362, 2363, 2366; MUSI 1306, 1308, or 1309).....	3
Cross Cultural Studies (EDUC 1325 recommended).....	3
EDUC 1301 Introduction to the Teaching Profession.....	3
EDUC 2301 Introduction to Special Populations.....	3
MATH 1350 Math for Teachers I.....	3
MATH 1351 Math for Teachers II.....	3
Physical Lab Science (Choose one course from: ASTR 1403, 1404, 1481, 1482; BIOL 2406; ENVR 1401; GEOL 1401, 1402, 1403, 1404 1404; PHYS, 1401, 1402, or 2325/2125).....	4

(Note: Bilingual certification requires SPAN 1411-2312)

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## Associate of Arts in Teaching

### leading to initial teacher certifications in: Early Childhood Degree Specialization or EC-Grade 4 Generalist (cont)

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
English Literature .....	3
SPCH 1315 Public Speaking or SPCH 1321 Business Speech (Oral).....	3
HIST 2301 Texas History or 1301.....	3
HIST 1302 American History II .....	3
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
MATH 1314 College Algebra .....	3

### leading to initial teacher certifications in: Early Childhood Degree Specialization or EC-Grade 4 Generalist (cont)

Biological Lab Science (Choose one course from: 1308/1108, 1406, 1411, 1413, 2401, 2506, 2416, or 2420).....	4
Chemical Lab Science (Choose one course from: CHEM 1305/1105, 1405, 1411, or 1413).....	4
Visual/Performing Arts (Choose one course from: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2361, 2362, 2363, 2366; MUSI 1306, 1308, or 1309).....	3
GEOG 1303 World Geography (Social/Behavioral) .....	3
Cross Cultural Studies (EDUC 1325 recommended) .....	3
MATH 1350 Math for Teachers I.....	3
MATH 1351 Math for Teachers II.....	3
TECA 1303 Family, School, and Community.....	3
TECA 1311 Educating Young Children .....	3
TECA 1318 Wellness of the Young Child .....	3
TECA 1354 Child Growth and Development .....	3

## Associate of Arts in Teaching

### leading to all initial teacher certifications in: Grades 8-12 or EC-Grade 12

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
English Literature .....	3
SPCH 1315 Public Speaking or SPCH 1321 Business Speech (Oral).....	3
HIST 2301 Texas History or 1301.....	3
HIST 1302 American History II .....	3
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
MATH 1314 College Algebra .....	3
Biological Lab Science (Choose one course from: 1308/1108, 1406, 1411, 1413, 2401, 2416, 2406, or 2420).....	4
Chemical Lab Science (Choose one course from: CHEM 1305/1105, 1405, 1411, or 1413).....	4
Visual/Performing Arts (Choose one course from: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2361, 2362, 2363, 2366; MUSI 1306, 1308, or 1309).....	3

TECA 1354 Child Growth or GEOG 1303 World Geography (Social/Behavioral Science).....	3
Cross Cultural Studies (EDUC 1325 recommended) .....	3
EDUC 1301 Introduction to the Teaching Profession .....	3
EDUC 2301 Introduction to Special Populations.....	3
Teaching Field Content Area (see Transfer Office website for specific course options) .....	3
Teaching Field Content Area (see Transfer Office website for specific course options) .....	3
Teaching Field Content Area (see Transfer Office website for specific course options) .....	3
Teaching Field Content Area (see Transfer Office website for specific course options) .....	3

*(Note: Each Teaching Field Content Area has its own specific set of courses which apply for secondary certification. See Teacher Education department chair or Transfer Office website for the details of each teaching field).*

## Associate in Science (AS)

The Associate in Science is intended primarily for students planning on transferring to a senior college or university to receive a baccalaureate degree in the following areas: computer science, engineering, health and natural sciences, or mathematics. (See counselor for Transfer plans) Commencing the fall of 1999, all Associate in Science academic core curriculum courses taken at HCC are guaranteed to transfer and count toward the core curriculum at all Texas public higher educational institutions.

In addition, if a student successfully completes any part of a field of study (FOS) curriculum developed by the Texas Higher Education Board, the FOS courses will be transferred to a Texas public higher educational institution and must be substituted for that institution's lower division requirements in the degree program containing the field of study. The student shall receive full academic credit for the transferred FOS courses in the related university degree program. HCC has developed specialized transfer plans for specific majors and for specific universities. Students should obtain appropriate transfer plans including FOS courses from a counselor.

Students also need to be aware that universities often have limitations on the amount of credit that can transfer from community colleges to universities. That limit is usually around sixty-six semester hours taken at community colleges.

# Academic Degrees

## Associate in Science

### Required Academic Core\*

ENGL 1301 Composition I .....	3
ENGL 1302 Composition II .....	3
Oral Communication (choose one) .....	3
ARAB 1411, 1412; COMM 1307; CHIN 1411, 1412; FREN 1411, 1412; GERM 1411, 1412; JAPN 1411, 1412; KORE 1411, 1412; RUSS 1411, 1412; SPAN 1411, 1412; SPCH 1311, 1315, 1318, 1321, 1342, 2335, or 2341; VIET 1411, 1412	
Humanities (choose one) .....	3
ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2353, 2374; PHIL 2306, 2316, 2317	
Mathematics (choose one).....	3
MATH 1314, 1316, 1324, 1325, 1332, 1342, 2412, 2413, 2414, 2415	
Natural Science with lab .....	4
ASTR 1403, 1404; BIOL 1308 & 1108, 1309 & 1109, 1406, 1407, 1411, 1413, 2401, 2402, 2406, 2416, 2420, 2428; CHEM 1405, 1407, 1411, 1412, 1413, 1414, 2423, 2425; ENVR 1401; GEOL 1401, 1402, 1403, 1404; PHYS 1401, 1402, 2325 & 2125, 2326 & 2126.	

*Note: Course must have a lab. Please see p. 57 for Natural Science core curriculum restrictions.*

Natural Science (lab optional) .....	3
ANTH 2301; ASTR 1303, 1304, 1403, 1404; BIOL 1308, 1309, 1322, 1406, 1407, 1411, 1413, 2401, 2402, 2406, 2416, 2420, 2428; CHEM 1305, 1307, 1405, 1407, 1411, 1412, 1413, 1414, 2423, 2425; DANC 2325; ENVR 1301, 1401; GEOG 1301; GEOL 1345, 1347, 1401, 1402, 1403, 1404; PHYS 1305, 1307, 1401, 1402, 2325, 2326.	

*Note: Please see p. 57 for Natural Science core curriculum restrictions.*

American History (choose two) .....	6
Choose one from HIST 1301 or 1302	
Choose one from HIST 1301, 1302, 2301, 2328, or 2381	
GOVT 2301 Government I .....	3
GOVT 2302 Government II .....	3
Visual/Performing Arts (choose 3 hours) .....	3
ARTS 1301, 1303, 1304, 1311, 1312, 1316, 1317, 2316, 2317, 2323, 2324, 2326, 2327, 2333, 2334, 2341, 2342, 2346, 2347, 2348, 2349, 2356, 2357, 2366, 2367; DANC 1112, 1113, 1210, 1211, 1301, 1305, 1306, 1341, 1342, 1345, 1346, 1347, 1348, 1349, 2112, 2113, 2210, 2301, 2303, 2325, 2341, 2342, 2345, 2346, 2347, 2351, 2352, 2389; DRAM 1161, 1162, 1310, 1320, 1322, 1330, 1341, 1351, 1352, 2331, 2336, 2337, 2338, 2351, 2361, 2363, 2366, 2367, 2389; MUAP 1101-2292 (Music Lessons); MUSI 1131, 1135, 1139, 1140, 1159, 1160, 1161, 1163, 1164, 1166, 1168, 1181, 1182, 1183, 1184, 1188, 1190, 1192, 1211, 1212, 1216, 1217, 1223, 1226, 1227, 1229, 1239, 1254, 1301, 1306, 1308, 1309, 1310, 1386, 2135, 2139, 2140, 2159, 2160, 2161, 2163, 2164, 2181, 2182, 2211, 2212, 2216, 2217, 2223, 2227, 2229, 2239, 2241, 2258, 2266, 2386	

Social/Behavioral Science (choose one) .....	3
ANTH 2302, 2346, 2351; ECON 2301, 2302, 2311; GEOG 1302, 1303, 2312; GOVT 2304; HIST 2389; PHIL 2307; PSYC 2301, 2389; SOCI 1301, 1306, 2301, 2319, 2336, 2374; TECA 1354	
Cross/Multicultural Studies (choose one) .....	3
ANTH 2302, 2346, 2351; ARTS 1301, 1303, 1304; ECON 2311; ENGL .....	
2322, 2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2353, 2374; DANC 2303, EDUC 1325; GEOG 1302, 1303, 2312; HIST 2311, 2312, 2321, 2322, 2328, 2381; HUMA 1301, 1305, 2319, 2323; MUSI 1306, 1308, 1309; PHED 1304; PHIL 1301, 1304, 2307, 2316, 2317, 2321; PSYC 2370; SOCI 1301, 2319, 2374; SPCH 1318; any Foreign Language 1411, 1412, 2311, or 2312.	

### Other Required Courses

Additional Mathematics (May choose any college-level mathematics, PHIL 2303, or PSYC 2317) .....	6
Additional Natural Science with lab .....	4
College-Level Electives .....	7

*\* No one course may be used to fulfill more than one core category.*

## Associate in Science Degree Transfer Advising Plans

### Civil Engineering Specialty Area

ENGL 1301 Composition I.....	3
ENGL 1302 Composition II.....	3
Oral Communications .....	3
Humanities (choose one).....	3
MATH 2413 Calculus I (FOS).....	4
MATH 2414 Calculus II (FOS).....	4
CHEM 1411 General Chemistry I (FOS).....	4
CHEM 1412 General Chemistry II (FOS).....	4
PHYS 2325 General Technical Physics (FOS).....	3
PHYS 2125 Physics Laboratory (FOS).....	1
PHYS 2326 General Technical Physics II (FOS).....	3
PHYS 2126 Physics Laboratory II (FOS) .....	1
American History .....	6
GOVT 2301 Government I.....	3
GOVT 2302 Government II.....	3
Social/Behavioral Science.....	3
Visual/Performing Arts (choose 3 hours).....	3
Cross Cultural elective (choose one).....	3
ENGR 1201 Introduction to Engineering .....	2
ENGR 2301 Engineering Statics (FOS).....	3
ENGR 2302 Engineering Dynamics (FOS).....	3

*For other Engineering plans, call the Transfer Office at 713.718.8534.*

# Academic Degrees

## Computer Science Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication	3
Humanities (choose one)	3
MATH 2413 Calculus I (FOS)	4
MATH 2414 Calculus II (FOS)	4
PHYS 2125 Physics Laboratory I (FOS)	1
PHYS 2325 General Technical Physics I (FOS)	3
PHYS 2126 Physics Laboratory II (FOS)	1
PHYS 2326 General Technical Physics II (FOS)	3
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Social/Behavioral Science	3
Visual/Performing Arts (choose 3 hours)	3
Cross Cultural elective (choose one)	3
COSC 1436 Programming Fundamentals I (FOS)	4
COSC 1437 Programming Fundamentals II (FOS)	4
COSC 2436 Programming Fundamentals III (FOS)	4
COSC 2325 Computer Organization & Machine Lang. (FOS)	4

## Science/Math Technology Specialty Area

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication (choose one)	3
Humanities (choose one)	3
MATH 2412 Precalculus	4
MATH 2413 Calculus I	4
MATH 2414 Calculus II	4
MATH 2425 Calculus III	4
CHEM1411 General Chemistry I	4
CHEM1412 General Chemistry II	4
PHYS 2125 Physics Laboratory I	1
PHYS 2325 General Technical Physics I	3
PHYS 2126 Physics Laboratory II	1
PHYS 2326 General Technical Physics II	3
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3
Fine Arts (choose 3 hours)	3
Social/Behavioral elective (choose one)	3

## Cross Cultural elective (choose one) 3

## Electrical/Electronics Engineering Technology

ENGL 1301 Composition I	3
ENGL 1302 Composition II	3
Oral Communication	3
Humanities (choose one)	3
MATH 2413 Calculus I (FOS)	4
MATH 2414 Calculus II (FOS)	4
CHEM 1411 General Chemistry I (FOS)	4
PHYS 1401 Physics I (FOS)	4
PHYS 1402 Physics II (FOS)	4
American History	6
GOVT 2301 Government I	3
GOVT 2302 Government II	3

Social/Behavioral Science	3
Visual/Performing Arts (choose 3 hours)	3
CETT 1403 DC Circuits (FOS)	4
CETT 1405 AC Circuits (FOS)	4
CETT 1425 Digital Fundamentals (FOS)	4

*For other Engineering Technology plans, call the Transfer Office at 713.718.8534.*

## General Requirements (AA, AAT, and AS degrees)

To be eligible for an Associate in Arts (AA), an Associate of Arts in Teaching (AAT), or an Associate in Science (AS) degree from HCC, a student must successfully:

Complete at least 60 semester hours of credit as follows: (a) for the AA degree, 43 hours of required core courses and 17 hours of transferable electives, usually focusing on the student's transfer major. (b) for the AAT degree, 44 hours of required core courses plus 16-18 hours of required pre-teaching courses (c) for the AS degree, 43 hours of required core courses plus six additional hours of mathematics, four additional hours of natural science, and 7 hours of transferable electives, usually focusing on the student's transfer major.

- Complete a minimum of 18 semester hours toward the degree in the Houston Community College System. These hours may not be satisfied through credit by exam.
- Have an overall 2.0 HCC grade point average.
- Satisfy TSI requirements.
- Resolve all financial obligations and return all College materials, including library books, to HCC prior to graduation.

# Academic Degrees

## Academic Certificates

Since the fall 2000 semester, HCC awards academic certificates for the following benchmarks of achievement:

- Certificate of Completion of the AA/AAT/AS Core Curriculum. To receive the Certificate of Completion for the AA/AAT/AS core curriculum, a student must complete 43 SCH of required course work in the following areas\*:

Communication .....	6
Oral Communication.....	3
Mathematics .....	3
Natural Sciences .....	7
Humanities .....	3
Visual/Performing Arts.....	3
American History.....	6
Government .....	6
Social/Behavioral Science.....	3
Cross/Multicultural Studies.....	3
Total (Core Curriculum Certificate).....	43

\*No one course may be used to fulfill more than one core category.

- If a student successfully completes the 43-hour core curriculum at HCC, that block of courses must be substituted for a receiving institution's core curriculum when a student transfers. A student will receive academic credit for each of the courses transferred and may not be required to take additional core curriculum courses at the receiving institution, unless the receiving institution has a larger core. Students who transfer without completing the core curriculum will receive academic credit in the core curriculum of the receiving institution for each of the courses that the student has successfully completed in the core curriculum of the sending institution.
- Certificate of Completion of Developmental Education
- Certificate of Completion of the Academic-English-as-a-Second-Language (AESL) Program
- Certificate of Completion of the Intensive English (ESOL) Program

## Advanced Dance Certificate

The Advanced Dance Certificate is a 21-semester hour academic certificate designed to give a professional credential demonstrating advanced Dance proficiency. This certificate is recognized by dance studios for instructional purposes.

DANC 1301 Dance Composition.....	3
DANC 1305 or 1306 World Dance I or II.....	3
DANC 2303 Dance Appreciation .....	3
DANC 2325 Anatomy & Kinesiology.....	3
DANC 2341 or 2342 Ballet III* or IV*.....	3
DANC 2345 or 2346 Modern Dance III* or IV*.....	3

## Advanced Dance Certificate (cont)

DANC 2351 or 2352 Dance Performance III* or IV*.....	3
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\*Department approval needed for advanced placement; otherwise prerequisites are needed for advanced levels of technique.

## Global Studies Certificate

The Global Studies Certificate is a 15-semester hour academic certificate designed to aid students in understanding the complex interrelationships between nations and their inhabitants. The program utilizes a cross disciplinary approach, encouraging students to embrace global issues from multiple perspectives. This certificate will provide a unifying framework to help students contribute to our increasingly interconnected world as responsible global citizens. It establishes a unique foundation for the pursuit of varied majors and careers, from liberal arts and social sciences to international business. (All courses are core curriculum courses and will transfer as core to all Texas public universities).

### Required Foundation Course 1 (choose one course from the following)

SOCI 2374 Global Issues and Social Change.....	3
ECON 2311 Economic Geography.....	3
GEOG 2312 Economic Geography .....	3
HIST 2322 Modern World Civilizations: 1500-Presnt.....	3

### Required Foundation Course 2 (choose one course from the following)

Any 3-4 hour Foreign Language course chosen from ARAB, CHIN, FREN, GERM, JAPN, KORE, RUSS, SPAN, or VIET

### Choose any three courses from the following list:

Oral Communication (011)	ARAB 1411, 1412; CHIN 1411, 1412; FREN 1411, 1412; GERM 1411, 1412; JAPN 1411, 1412; KORE 1411, 1412; SPAN 1411, 1412; VIET 1411, 1412
Natural Science (030)	ENVR1301,1401 (Note: Credit will not be given for both ENVR 1301 and 1401)
Humanities (040)	ENGL 2332, 2333, 2336
Visual/Performing Arts (050)	ARTS 1303, 1304, DANC 1305, 1306
Social/Behavioral Science (080)	ANTH 2302, 2346, 2351; ECON 2301, 2311; GEOG 1302, 1303, 2312; HIST 2311, 2312, 2321, 2322; PHIL 2307; SOCI 1301, 2374

# Academic Degrees

## Cross/Multicultural Studies (091)

ANTH 2302, 2346, 2351; ARTS 1303, 1304; ARAB 1411, 1412; CHIN 1411, 1412; FREN 1411, 1412; GERM 1411, 1412; JAPN 1411, 1412; KORE: 1411, 1412; SPAN 1411, 1412; VIET 1411, 1412; ECON 2311; ENGL 2332, 2333, 2336; GEOG1302, 1303, 2312; HIST 2311, 2312, 2321, 2322; HUMA 1301, PHIL 1304, 2307 2316, 2317; PSYC 2370; SOCI 1301, 2374

## Mexican-American / Latino Studies Certificate

The Mexican-American / Latino Studies Certificate is a 15-semester hour academic certificate designed to help you understand Mexican-American / Latino culture from different perspectives. It provides a unique foundation for various majors and careers, including elementary education, social and behavioral sciences, criminal justice, and many others. (All courses are core curriculum courses and will transfer as core to all Texas public universities).

### Required Foundation Courses (take both)

ENGL 2336 Multicultural Literature (Emphasis on Mexican-American and Latin-American culture)..... 3  
 HUMA 2319 Minority Experience in the US. (Emphasis on Mexican-Americans / Latinos)..... 3

### Choose any three courses from the following list:

Oral Communication (011)  
 SPAN 2311, 2312, 2313, 2315  
 Social/Behavioral Science (080)  
 GOVT 2301 (Emphasis on Mexican-American / Latino issues)  
 HIST 2380 (Emphasis on Mexican-American / Latino issues)  
 HIST 2328 (Mexican-American History)  
 Cross/Multicultural Studies (091)  
 HUMA 1305 Introduction to Mexican-American Studies  
 HUMA 2323(Emphasis on Meso-American Pre-Hispanic Culture)

## Women & Gender Studies Certificate

The WGS certificate is a 15-semester hour certificate designed to help the student understand women's and gender issues as a fundamental category of social and cultural analysis; to help the student link gender with class, race, ethnic, and sexual identification; and to help the student analyze the diversity of women's experiences. It provides a unique foundation for various majors and careers, including education, social and behavioral sciences, criminal justices, math, engineering and many others. (All courses are core curriculum courses and will transfer as core to all Texas public universities.)

## Required Foundation Courses (take both)

Engl 1302 Composition II (Emphasis on women and gender issues)..... 3  
 Hist 1302 US History after 1877 (Emphasis on women and gender issues)..... 3

### Choose any three courses from the following List:

Oral Communication (011)  
 SPCH 1311, 1315, 1318, 1321 (all need an emphasis on women and gender issues)  
 Natural Science (030)  
 BIOL 1407 (focus on gender differences)  
 Humanities (040)  
 ENGL 2322, 2323, 2727, 2728, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2353 (all need an emphasis on women and gender issues)  
 Phil 1301, 1304, 2306, 2307, 2316, 2317 (women and gender issue focus)  
 Visual/Performing Arts (050)  
 ARTS 1301, 1303, 1304 (all need an emphasis on women and gender issues)  
 Social and Behavioral Science (080)  
 ANTH 2351 (emphasis on women and gender issues)  
 GOVT 2301, 2302 (all need an emphasis on women and gender issues)  
 HIST 1301, 2311, 2312, 2321, 2322, 2328, 2380, 2381 (all need an emphasis on women and gender issues)  
 SOCI 1301, 1306, 2301, 2374 (all need an emphasis on women and gender issues)  
 Cross/Multicultural Studies (091)  
 ANTH 2302, HIST 2311, 2312, 2321, 2322, 2328, 2380, 2381 (all need an emphasis on women and gender issues)  
 PSYC 2374, SOCI 1301, 1306, 2301, 2374 (all need an emphasis on women and gender issues)  
 SPAN 2321, 2323 (all need an emphasis on women and gender issues)  
 Additional WGS-related courses\*  
 PSYC 2306, 2308, 2314 (all need an emphasis on women and gender issues)

*Note: Additional courses above are elective courses for degree purposes. They do not count in the core curriculum and may not apply to the university major in transfer. See counselor.*

# Academic Degrees

## Additional Associate Degrees

A student who has received an associate degree or higher from an accredited institution must meet specific requirements to earn an additional degree from HCC.

- The student must complete a minimum of 18 semester hours at HCC for each additional degree. These hours may not repeat credit applied from a previous HCC degree. These hours may not be satisfied through credit by exam.
- All additional hours must be applicable toward the additional degree. If the student has prior credit in required courses, appropriate substitutions may be arranged.
- All courses required by the specific HCC program of the additional degree must be completed.
- A grade point average of at least 2.0 must be earned on all hours since the previous degree.
- Academic courses from previous degrees may be applied to an additional AAS degree required academic core where equivalent and appropriate, which waives the need for approval, except where program restrictions prevail.
- If the first degree was an Associate in Arts, an Associate of Arts in Teaching, Associate in Science, a bachelor degree, or higher degree from an accredited educational institution in the United States, the student will be considered to be “Core Complete”, thus needing to complete only the requirement of 18 additional semester hours at HCC toward a new associate degree.
- Each additional academic associate degree obtained from HCC must be of a different type. Thus, a student may only obtain one Associate in Arts, one Associate of Arts in Teaching, and/ or one Associate in Science from HCC. For example, if one degree from HCC was an AA, then any additional degrees must be an AAT, AS, or AAS.
- Multiple Associate of Applied Science degrees may be earned from HCC if all AAS program requirements are met including earning at least 18 additional semester hours at HCC, 12 of which must be earned in the major program of the additional degree. In most cases, however, there is only one AAS degree allowable per workforce program. See counselor or program chair for clarification.
- Multiple workforce Certificates of Completion may be earned from HCC if all program requirements are met for each certificate including earning at least 9 additional unique semester hours at HCC toward the major program of the additional certificate.
- All other state and institutional graduation requirements, including TSI policies and financial obligations, must be met.

## Core Curriculum

The core curriculum is required of all AA, AAT, and AS graduates. In 1997, the 75th Texas Legislature passed Senate Bill 148, which required the Texas Higher Education Coordinating Board to adopt rules that include a statement of “the content, component areas, and objectives of the core curriculum”. Every public institution of higher education was required by law to adopt and implement by fall, 1999, a core curriculum of no less than 42 semester hours that will be fully transferable and, if completed, will substitute for a receiving institution’s core curriculum.

In compliance with state recommendations and in the spirit of improving its educational service to students, HCC will require all students seeking an AA, AAT, or AS to complete the core curriculum. The purpose of the HCC core curriculum program is to provide the basic intellectual competencies and perspectives that help define the educated person. The exemplary educational objectives listed for the various courses included in the core will form the basis for assessing student performance and the effectiveness of the HCC core curriculum.

## Basic Intellectual Competencies in the HCC Core Curriculum

Essential to the learning process in any discipline are six basic intellectual competencies: reading, writing, speaking, listening, critical thinking, and computer literacy. These competencies should form the components of the HCC core curriculum and be woven into instructional practices throughout each course. Although certain courses address specific competencies, such as writing or speaking, the competencies of critical thinking or computer literacy may be included as specific objectives in many different courses.

**Reading:** Reading at the college level means having the ability to understand, analyze and interpret a variety of printed materials: books, articles, and documents.

**Writing:** Writing at the college level means having the ability to produce clear, correct, and coherent prose adapted to a specific purpose, occasion, and audience. In addition to knowing how to use correct grammar, spelling, and punctuation, students should also become adept with the writing process, including how to determine a topic, how to organize and develop it, and how to phrase it effectively for their audience. These abilities are acquired through practice and reflection.

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

# Academic Degrees

**Listening:** Listening at the college level means having the ability to understand, 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. Problem solving is one of the applications of critical thinking used to address an identified task.

**Computer Literacy:** Computer literacy at the college level means having the ability to use computer-based technology in communicating, solving problems, and acquiring information. Core-educated students should have an understanding of the limits, problems, and possibilities associated with the use of technology and should have the tools necessary to evaluate and learn new technologies as they become available.

## Perspectives in the Core Curriculum

The HCC core curriculum will contain courses that help students:

- Establish broad and multiple perspectives on the individual in relation to the larger society and world in which we live and to understand the responsibilities of living in a culturally and ethnically diverse world.
- Develop a capacity to reflect upon and discuss individual, political, economic, and social aspects of life in order to determine ways in which to be a responsible member of society.
- Recognize the importance of maintaining health and wellness.
- Develop a capacity to use knowledge of how technology and science affect their lives.
- Develop personal values for ethical behavior.
- Develop the ability to make aesthetic judgments.
- Use logical reasoning in problem solving.
- Integrate knowledge and understanding of the interrelationships of the scholarly disciplines.

## Core Components and Related Exemplary Educational Objectives

### Summary Distribution Requirements:

Communication .....	9 Semester Hours
Mathematics .....	3 Semester Hours
Natural Sciences .....	7 Semester Hours
Humanities and Arts Humanities .....	3 Semester Hours
Visual/Performing Arts .....	3 Semester Hours
Social/Behavioral Sciences	
American History .....	6 Semester Hours
Government .....	6 Semester Hours
Social Science .....	3 Semester Hours
Cross/Multicultural Studies .....	3 Semester Hours
Total .....	43 Semester Hours

## Communication - Nine Semester Hours

### Courses That Fulfill This Requirement:

*Written communication (take both):*

English 1301 Composition I.....	3 Semester Hours
English 1302 Composition II.....	3 Semester Hours

*Oral communication (choose one):*

ARAB 1411, 1412; CHIN 1411, 1412; FREN 1411, 1412  
GERM 1411, 1412; JAPN 1411, 1412; KORE 1411, 1412;  
RUSS 1411, 1412; SPAN 1411, 1412; SPCH 1311, 1315,  
1318, 1321, 1342, 2335, 2341; VIET 1411, 1412

The objective of communication in the core curriculum is to enable the student to communicate effectively in a style appropriate to the subject, occasion, and audience.

### Exemplary Educational Objectives

- To understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation.
- To understand the importance of specifying audience and purpose and to select appropriate communication choices.
- To understand and appropriately apply modes of expression (descriptive, expository, narrative, scientific, and self-expressive) in written, visual, and oral communication.
- To participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding.
- To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.
- To develop the ability to research and write a documented paper and/or to give an oral presentation.

# Academic Degrees

## Mathematics Three Semester Hours

### Courses That Fulfill This Requirement:

MATH 1314, 1316, 1324, 1325, 1332, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415

The objective of mathematics in the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.

### Exemplary Educational Objectives

- To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
- To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
- To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
- To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
- To interpret mathematical models such as formulas, graphs, tables, and schematics and draw inferences from them.
- To recognize the limitations of mathematical and statistical models.
- To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

## Natural Sciences - Seven Semester Hours

### Courses That Fulfill This Requirement:

ANTH 2301; ASTR 1303, 1304, 1403, 1404; BIOL 1308, 1309, 1322, 1406, 1407, 1411, 1413, 2401, 2402, 2406, 2416, 2420, 2428; DANC 2325; CHEM 1305, 1307, 1405, 1407, 1411, 1412, 1413, 1414, 2423, 2425; ENVR 1301, 1401; GEOG 1301; GEOL 1345, 1347, 1401, 1402, 1403, 1404; PHYS 1305, 1307, 1401, 1402, 2325 & 2125, 2326 & 2126

(One course must have a laboratory component.)

Note: Natural Science core course restrictions are as follows: BIOL 1308 and 1406 may not be taken in combination to fulfill the core requirements. Of the following CHEM courses (1305, 1405, 1411, and 1413), only one may be taken to fulfill the core curriculum requirement.)

The objective of the natural sciences in the core curriculum is to enable the student to understand, construct, and evaluate relationships in the natural sciences and to enable the student to understand the basis for building and testing theories.

### Exemplary Educational Objectives

- To understand and apply methods and appropriate technology to the study of natural sciences.
- To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretations, both orally and in writing.
- To identify and recognize the differences among competing scientific theories.
- To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
- To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

Note: In the following science course combinations, only one in each list may satisfy certificate or associate degree natural science core requirements. The other courses, if additionally taken, may count as electives in the certificate or degree plan:

- Only one of BIOL 1308 or BIOL 1406 may be taken as natural science core.
- Only one of BIOL 1309 or BIOL 1407 may be taken as natural science core.
- Only one of CHEM 1305, CHEM 1405, or CHEM 1411 may be taken as natural science core.
- Only one of CHEM 1307, CHEM 1407, or CHEM 1412 may be taken as natural science core.
- Only one of ENVR 1301 or ENVR 1401 may be taken as natural science core.
- Only one of PHYS 1311, PHYS 1411, ASTR 1304, 1382, or 1404, 1482 may be taken as natural science core.
- Only one of PHYS 1312, PHYS 1412, ASTR 1303, 1403, 1381, or 1481 may be taken as natural science core.

# Academic Degrees

## Humanities and Visual and Performing Arts – six semester hours

### Courses That Fulfill This Requirement:

Three Hours of Humanities:

ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341, 2342, 2343, 2353, 2374;  
PHIL 2306, 2316 or 2317.

Three Hours of Visual or Performing Arts:

ARTS 1301, 1303, 1304, 1311, 1312, 1316, 1317, 2316, 2317, 2323, 2324, 2326, 2327, 2333, 2334, 2341, 2342, 2346, 2347, 2348, 2349, 2356, 2357, 2366, 2367  
DANC 1112, 1113, 1210, 1211, 1301, 1305, 1306, 1341, 1342, 1345, 1346, 1347, 1348, 1349, 2112, 2113, 2210, 2301, 2303, 2325, 2341, 2342, 2345, 2346, 2347, 2351, 2352, 2389  
DRAM 1161, 1162, 1310, 1320, 1322, 1330, 1341, 1351, 1352, 2331, 2336, 2337, 2338, 2351, 2361, 2363, 2366, 2367, 2389  
MUAP 1101-2292 (Music Lessons)  
MUSI 1131, 1135, 1139, 1140, 1159, 1160, 1161, 1163, 1164, 1166, 1168, 1181, 1182, 1183, 1184, 1188, 1190, 1192, 1211, 1212, 1216, 1217, 1223, 1226, 1227, 1229, 1239, 1254, 1301, 1306, 1308, 1309, 1310, 1386, 2135, 2139, 2140, 2159, 2160, 2161, 2163, 2164, 2181, 2182, 2211, 2212, 2216, 2217, 2223, 2227, 2229, 2239, 2241, 2258, 2266, 2386

The objective of the humanities and visual and performing arts in a core curriculum is to expand students' knowledge of the human condition and human cultures, especially in relation to behaviors, ideas, and values expressed in works of human imagination and thought. Through study in disciplines such as literature and the visual and performing arts, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society. Students should have experiences in both the arts and humanities. Students must write a research essay demonstrating critical thinking skills using appropriate MLA or APA documentation.

### Exemplary Educational Objectives

- To demonstrate awareness of the scope and variety of works in the arts and humanities.
- To understand those works as expressions of individual and human values within an historical and social context.
- To respond critically to works in the arts and humanities.
- To engage in the creative process or interpretive performance and comprehend the physical and intellectual demands required of the author or visual or performing artist.
- To articulate an informed personal reaction to works in the arts and humanities.
- To develop an appreciation for the aesthetic principles that guide or govern the humanities and arts.
- To demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.

## Social and Behavioral Sciences 15 semester hours

### Courses That Fulfill This Requirement:

Six Hours of American History: (choose two)

choose one HIST 1301, 1302 and

choose one from HIST 1301, 1302, 2301, 2328, or 2381

Six Hours of Government: (take both)

GOVT 2301, 2302

Three Hours of Social/Behavioral Science: (choose one)

ANTH 2302, 2346, 2351; ECON 2301, 2302, 2311;

GEOG 1302, 1303, 2312; GOVT 2304; HIST 2389

PHIL 2307; PSYC 2301, 2389; SOCI 1301, 1306, 2301,

2319, 2336, 2374; TECA 1354

The objective of social and behavioral science in the core curriculum is to increase students' knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity.

# Academic Degrees

## Exemplary Educational Objectives

- To employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition.
- To examine social institutions and processes across a range of historical periods, social structures, and cultures.
- To use and critique alternative explanatory systems or theories.
- To develop and communicate alternative explanations or solutions for contemporary social issues.
- To analyze the effects of historical, social, political, economic, cultural, and global forces on the subject of study.
- To comprehend the origins and evolution of U.S. and Texas political systems, with a focus on the growth of political institutions, the constitutions of the U.S. and Texas, federalism, civil liberties, and civil and human rights.
- To understand the evolution and current role of the U.S. in the world.
- To differentiate and analyze historical evidence (documentary and statistical) and differing points of view.
- To recognize and apply reasonable criteria for the acceptability of historical evidence and social research.
- To analyze, critically assess, and develop creative solutions to public policy problems.
- To recognize and assume responsibility as a citizen in a democratic society by learning to think independently, by engaging in public discourse, and gathering information through the news media and other appropriate sources about politics and public policy.
- To identify and understand differences and commonalities of diverse cultures.

## Cross/multi-Cultural Studies Three Semester Hours

### Courses That Fulfill This Requirement:

ANTH 2302, 2346, 2351; ARTS 1301, 1303, 1304  
DANC 2303; ECON 2311; EDUC 1325; ENGL 2322,  
2323, 2327, 2328, 2332, 2333, 2334, 2335, 2336, 2341,  
2342, 2343, 2353, 2374; GEOG 1302, 1303, 2312  
HIST 2311, 2312, 2321, 2322, 2328, 2380, 2381;  
HUMA 1301, 1305, 2319, 2323; MUSI 1306, 1308, 1309;  
PHED 1304; PHIL 1301, 1304, 2307, 2321, 2316, 2317  
PSYC 2370, 2374; SOCI 1301, 2374; SPCH 1318  
Any Foreign Language 1411, 1412, 2311, 2312

The objective of cross/multi-cultural studies in the core curriculum is to introduce students to areas of study which enlarge their knowledge and appreciation of the multi-cultural and multi-racial world in which they live.

### Exemplary Educational Objectives

- To establish broad and multiple perspectives in relation to the larger society and world in which we live, and to understand the responsibilities of living in a culturally and ethnically diversified world.
- To demonstrate knowledge of those elements and processes that create and define culture.
- To understand and analyze the origin and function of values, beliefs, and practices found in human societies.
- To develop basic cross/multi-cultural understanding, empathy, and communication.
- To identify and understand underlying commonalities of diverse cultural practices.

# Career and Technology Education Degrees and Certificates

## Career and Technology Education Degrees

Designed primarily for students seeking skills, knowledge, and training leading to employment in a specific field, the Associate in Applied Science degree is awarded in technical and occupational areas. Courses and programs are divided into sixteen clusters: Agriculture, Food, and Natural Resources; Architecture and Construction; Arts, Audio/Video Technology and Communications; Business, Management and Administration; Education and Schools; Finance; Government and Public Administration; Health and Medical Sciences; Hospitality and Tourism; Human Services and Social Sciences; Information Technology; Law, Public Safety Corrections and Security; Manufacturing; Marketing, Sales and Service; Science, Technology, Engineering and Mathematics; and Transportation, Distribution and Logistics. Degree requirements include general education courses and specific occupation-related courses.

Certificates are awarded upon completion of a sequence of courses in an occupational field. Credits earned in a certificate will typically apply to a related HCC Associate in Applied Science degree.

A Marketable Skills Achievement Award (MSA) is granted to students who complete a sequence of credit courses totaling 9-14 SCH or workforce continuing education courses of 144-359 contact hours. These awards meet the minimum standard for program length specified in the federal Workforce Investment Act (WIA) but are too short to qualify as approved Texas Higher Education Coordinating Board certificate programs. MSA credit awards are in the following programs: Accounting, Business Technology, Automotive Technology, Computer Science Technology, Criminal Justice, Culinary Arts, Digital Communication, Drafting and Design Engineering Technology, Fashion Design, Fashion Merchandising, Horticulture, Interior Design, Public Administration, Real Estate, Technical Communication, and Travel and Tourism. Credits earned in a MSA will typically apply to a related HCC certificate or AAS degree. MSA continuing education awards are in the following programs: Auto Body Repair, Bilingual Air Conditioning and Refrigeration, Certified Nurse Aide, Child Development, Cisco Certified Network Associate, Electrocardiography, Emergency Medical Service-Basic Provider, HIS Medical Billing, Massage Therapist, People Soft on Campus, Phlebotomy, Property Management, Truck Driving, and Waste Quality & Wastewater Treatment.

For specific MSA career and technology education credit and continuing education degree plans visit the web site @ [http://www.hccs.edu/system/Instructional\\_Services/msaa/msaa.html](http://www.hccs.edu/system/Instructional_Services/msaa/msaa.html).

Review the following pages to learn more about the wide array of workforce programs available at HCC.

## Associate in Applied Science (AAS)

The Associate in Applied Science (AAS) degree is intended primarily for students whose first priority is to acquire skills and knowledge needed for employment in a specific field.

To be eligible for an AAS degree from HCC, a student must successfully

- Complete at least 60 semester hours of credit and the prescribed curriculum for a two-year career and technology education program (see AAS degree plans).
- Complete a minimum of 18 semester hours toward the degree at HCC, 12 semester hours of which must be in the career and technology education program the student is pursuing. These hours may not be satisfied by Credit by Examination.
- Have an overall 2.0 HCC grade point average.
- Satisfy all TSI requirements.
- Resolve all financial obligations and return all materials to HCC prior to graduation

## General Education Elective Options

In the various AAS workforce degree plans, some general education electives are required. The following are approved choices for each elective category:

Humanities/Fine Arts Electives: Must choose three hours from ARTS, DANC, DRAM, ENGL Literature; Foreign Language 2311, 2312; HUMA; MUAP; MUSI; or any PHIL (except 2303).

Math/Science Electives: Must choose three hours from ANTH 2301, ASTR, BIOL, CHEM, DANC 2325, ENVR, GEOG 1301, GEOL, HECO, MATH, PHYS, or PSYC 2317..

Social/Behavioral Science Electives: Must choose three hours from ANTH (2302, 2346, or 2351), ECON, GEOG, GOVT, HIST, PSYC (except 2317), or SOCI.

*General Education Electives: Student must choose one course from any of the above areas.*

## Enhanced Skills Certificates

Enhanced Skills Certificates (consisting of six to 15 SCH) are designed to enrich the specific curriculum of AAS/Tech Prep programs and help students meet higher technical skill levels in a constantly changing workplace.

# Career and Technology Education Degrees and Certificates

## Advanced Skills Certificates

An Advanced Skills Certificate is designed to provide a longer, more specialized, and advanced set of knowledge and skills in a particular area of expertise, e.g., Diagnostic Medical Sonography. Typically, Advanced Skills Certificates require students to have already completed a two-year associate degree prior to admission.

To be eligible for an Enhanced or Advanced Skills Certificate from HCC, a student must:

- Complete the related AAS degree.
- Successfully complete the prescribed curriculum.
- Have an overall grade point average of at least 2.0 in all credits applying to the certificate.
- Resolve all financial obligations to HCC and return all materials, including library books.

## Institutional Certificates, Certificates of Completion

HCC Institutional Certificates are awarded upon successful completion of small clusters of job-specific CEU or SCH courses (from six to 12 SCH). These courses are designed to give the student a certain level of skill and/or knowledge in an occupational area. Semester credit hours earned in completing a certificate may be applied to a related AAS degree program. A student may, for example, take a number of courses in a field such as real estate or drafting and earn a certificate that helps obtain a job or advance in a present job. While working, a student may continue college part-time and add related courses to qualify for an AAS degree.

Certificates of Completion are the same as Institutional Certificates above, but are of longer duration (from 15 to 42 or more SCH). To be eligible for a Certificate of Completion from HCC, a student must successfully:

- Complete the prescribed curriculum for the certificate.
- Complete a minimum of nine hours in the specialization area toward the certificate at HCC. Hours may not be satisfied by Credit by Exam.
- Maintain an overall grade point average of at least 2.0 in all credits applying to the certificate.
- Present evidence of initial assessment testing on a state-approved instrument or evidence of TSI exemption if required for the particular certificate (typically those of 42 SCH or greater).
- Resolve all financial obligations and return all materials, including library books, to HCC prior to graduation.

## Marketable Skills Achievement Award

A Marketable Skills Achievement Award (MSA) is awarded after a student completes a sequence of credit courses totaling 9-14 SCH or workforce continuing education courses of 144-359 contact hours. These awards meet the minimum standard for program length specified in the federal Workforce Investment Act (WIA) but are too short to qualify as certificate programs on the Texas Higher Education Coordinating Board program inventory. Designed to prepare students for employment, the content of the award must have been recommended by an external workforce advisory committee or appear on the Local Workforce Development Board's Targeted Occupations list.

## Exemplary Programs

HCC'S commitment to quality education in workforce education was validated during the Texas Higher Education Coordinating Board (THECB) site visit in April, 2005. The THECB rigorously examined the HCC workforce programs using statewide measures and standards for program effectiveness. Based on enrollment, graduates, placement of completers, industry involvement and quality of instruction, the following workforce programs were rated "exemplary," the highest rating possible:

Accounting  
Audio Recording/Video Production  
Automotive Technology  
Broadcast Technology  
Business Administration  
Business Technology  
Child Development  
Computer Information Sciences  
Computer Programming  
Criminal Justice  
Drafting and Design Engineering Technology  
Emergency Medical Services  
Fashion Design  
Fashion Merchandising  
Finance (Banking)  
Fire Protection Technology  
Fire Science/Firefighting  
Interior Design  
Marketing, Management and Research  
Medical Assistant  
Nuclear Medicine Technology  
Pharmacy Technician  
Physical Therapist Assistant  
Real Estate  
Respiratory Therapist  
Technical Communication