Associate of Science

The associate of science degree from JCCC

- requires a minimum of 64 college-level credit hours with a 2.0 or higher GPA.
- requires the completion of a cultural diversity course from a list of approved courses. Some courses in the approved list will also meet humanities, social science or non-lab science requirements for this degree.

The credit hours necessary to complete the associate of science degree include the following general education requirements plus 30 additional credit hours:

General Education Area		Credit Hours
Communications Associate of Science		9
These courses fulfill the communication skills requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.		
A. Communications		
ENGL 121	Composition I*	3
B. Communications Elective		
Select two of the following:		6
ENGL 122	Composition II*	
ENGL 123	Technical Writing I*	
ENGL 140	Writing for Interactive Media*	
BUS 150	Business Communications*	
SPD 120	Interpersonal Communication*	
SPD 121	Public Speaking	
SPD 125	Personal Communication	
SPD 180	Intercultural Communication* (Also meets Cultural Diversity Requirement)	
Total Hours		9

Humanities Associate of Science		6
These courses fulfill the humanities requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.		
Two courses from any of the following categories may count toward the six required hours.		
A. Literature/Theater		
ENGL 130	Introduction to Literature*	3
ENGL 215	U.S. Latino and Latina Literature* (Also meets Cultural Diversity Requirement)	3
ENGL 217	Literature by Women* (Also meets Cultural Diversity Requirement)	3
ENGL 227	Introduction to Poetry*	3
ENGL 230	Introduction to Fiction*	3
ENGL 235	Drama as Literature*	3
ENGL 246	American Literature I*	3
ENGL 247	American Literature II*	3
ENGL 250	World Masterpieces*	3
ENGL 254	Masterpieces of the Cinema*	3
THEA 120	Introduction to Theater	3
B. Foreign Language		
FL 178	Intermediate Russian I*	3
FL 179	Intermediate Russian II*	3
FL 182	Intermediate Japanese I*	5
FL 192	Intermediate Chinese I*	3
FL 193	Intermediate Chinese II*	3
FL 195	Intermediate Arabic I*	3
FL 220	Intermediate German I*	3

FL 221	Intermediate German II*	3
FL 230	Intermediate Spanish I*	3
FL 231	Intermediate Spanish II*	3
FL 240	Intermediate French I*	3
FL 241	Intermediate French II*	3
C. History		
HIST 125	Western Civilization: Readings and Discussion I*	3
HIST 126	Western Civilization: Readings and Discussion II*	3
HIST 128	Medieval History*	3
HIST 129	Early Modern Europe 1500-1789*	3
HIST 130	European History Since 1789*	3
HIST 135	Eastern Civilization* (Also meets Cultural Diversity Requirement)	3
HIST 137	African American Studies* (Also meets Cultural Diversity Requirement)	3
HIST 140	U.S. History to 1877*	3
HIST 141	U.S. History Since 1877*	3
HIST 151	World History I: Traditional World* (Also meets Cultural Diversity Requirement)	3
HIST 152	World History II: Modern World* (Also meets Cultural Diversity Requirement)	3
HIST 160	Modern Russian History* (Also meets Cultural Diversity Requirement)	3
HIST 162	Modern Latin America* (Also meets Cultural Diversity Requirement)	3
D. Humanities		
ARTH 180	Art History: Ancient to Renaissance*	3
ARTH 182	Art History: Renaissance to Modern*	3
ARTH 184	Art History: Twentieth Century*	3
ARTH 188	History of Photography*	3
HUM 122	Introduction to Humanities*	3
HUM 145	Introduction to World Humanities I* (Also meets Cultural Diversity Requirement)	3
HUM 146	Introduction to World Humanities II* (Also meets Cultural Diversity Requirement)	3
HUM 155	Classical Mythology*	3
HUM 156	Contemporary Approaches to World Mythology*	3
HUM 167	Introduction to Japanese Culture* (Also meets Cultural Diversity Requirement)	3
JOUR 120	Mass Media and Society*	3
MUS 121	Introduction to Music Listening	3
MUS 125	Introduction to Jazz Listening*	3
MUS 126	Introduction to World Music* (Also meets Cultural Diversity Requirement)	3
REL 120	Exploring World Religions* (Also meets Cultural Diversity Requirement)	3
REL 125	Religions of the East* (Also meets Cultural Diversity Requirement)	3
REL 126	Religions of the West* (Also meets Cultural Diversity Requirement)	3
E. Philosophy		
PHIL 121	Introduction to Philosophy*	3
PHIL 124	Logic and Critical Thinking*	3
PHIL 143	Ethics*	3
PHIL 154	History of Ancient Philosophy*	3
PHIL 176	Philosophy of Religion*	3
Total Program Hours		6

Social Science/Economics Associate of Science	6

These courses fulfill the social science/economics requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.

Two courses from any of the following categories may count toward the six required hours.

A. Anthropology		
ANTH 125	Cultural Anthropology* (Also meets Cultural Diversity Requirement)	3
ANTH 126	Physical Anthropology*	3
ANTH 130	World Cultures* (Also meets Cultural Diversity Requirement)	3

ANTH 142	World Prehistory* (Also meets Cultural Diversity Requirement)	3
B. Economics		
ECON 132	Survey of Economics*	3
ECON 230	Economics I*	3
ECON 231	Economics II*	3
C. Political Science		
POLS 122	Political Science*	3
POLS 124	American National Government*	3
POLS 126	State and Local Government*	3
POLS 132	Introduction to Comparative Government* (Also meets Cultural Diversity Requirement)	3
POLS 135	International Relations* (Also meets Cultural Diversity Requirement)	3
D. Psychology		
PSYC 121	Applied Psychology*	3
PSYC 130	Introduction to Psychology*	3
E. Sociology		
SOC 122	Introduction to Sociology (Also meets Cultural Diversity Requirement)	3
SOC 125	Social Problems* (Also meets Cultural Diversity Requirement)	3
SOC 131	Sociology of Families*	3
F. Gender and Ethnic Studies		
WGS 201	Global Women's Studies* (Also meets Cultural Diversity Requirement)	3
Total Program Hours		6

Science and Mathematics Associate of Science		12

These courses fulfill the science and mathematics requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.

Must include at least one course in mathematics and at least one in a lab science.

A. Mathematics

MATH 116		
MATH 118	Geometry*	3
MATH 120	Business Mathematics*	3
MATH 130	Technical Mathematics I*	3
MATH 131	Technical Mathematics II*	3
MATH 165	Finite Mathematics*	3
MATH 171	College Algebra*	3
MATH 172	Trigonometry*	3
MATH 173	Precalculus*	5
MATH 175	Discrete Mathematics and its Applications*	3
MATH 181	Statistics*	3
MATH 225	Mathematics as a Decision Making Tool*	3
MATH 231	Business and Applied Calculus I*	3
MATH 232	Business and Applied Calculus II*	3
MATH 241	Calculus I*	5
MATH 242	Calculus II*	5
MATH 243	Calculus III*	5
MATH 254	Differential Equations*	4

A. Science

(Life Science)

BIOL 121	Introductory Biology for Non-Majors*	4
BIOL 124	Oceanus: Essentials of Oceanography*	3
BIOL 125	General Botany*	5
BIOL 127	General Zoology*	5
BIOL 130	Environmental Science*	3
BIOL 131	Environmental Science Lab*	1

BIOL 134	Principles of Sustainability*	3
BIOL 135	Principles of Cell and Molecular Biology*	4
BIOL 140	Human Anatomy*	4
BIOL 144	Human Anatomy and Physiology*	5
BIOL 150	Biology of Organisms*	5
BIOL 225	Human Physiology*	4
BIOL 230	Microbiology*	3
BIOL 231	Microbiology Lab*	2
(Physical Science)		
ASTR 120	Fundamentals of Astronomy*	3
ASTR 122	Astronomy*	4
CHEM 120	Chemistry in Society*	4
CHEM 122	Principles of Chemistry*	5
CHEM 124	General Chemistry I Lecture*	4
CHEM 125	General Chemistry I Lab	1
CHEM 131	General Chemistry II Lecture*	4
CHEM 132	General Chemistry II Lab*	1
CHEM 140	Principles of Organic & Biological Chemistry*	5
GEOS 130	General Geology*	5
GEOS 140	Physical Geography*	3
GEOS 141	Physical Geography Lab*	2
GEOS 145	World Regional Geography* (Also meets Cultural Diversity Requirement)	3
PHYS 130	College Physics I*	5
PHYS 131	College Physics II*	5
PHYS 220	Engineering Physics I*	5
PHYS 221	Engineering Physics II*	5
PSCI 120	Physical Science*	4
Total Program Hours		12

Health and/or Physical Education Associate of Science   1

These courses fulfill the health and/or physical education requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.

Health and/or Physical Education

HPER	Any Activity Course/Lifetime Fitness	1
BIOL 132	Introduction to Public Health*	3
EMS 121	CPR I - Basic Life Support for Healthcare Provider*	1
HMEC 151	Nutrition and Meal Planning*	3
HPER 192	Wellness for Life	1
HPER 200	First Aid and CPR	2
HPER 202	Personal Community Health	3
HPER 255	Introduction to Physical Education	3
Total Program Hours		1

NOTE: The following HPER courses do NOT meet the general education requirement for Health and/or Physical Education--

HPER 174	Coaching and Officiating of Track and Field	2
HPER 195	Introduction to Sports Medicine	3
HPER 198	Athletic Training Practicum I	1
HPER 204	Care and Prevention of Athletic Injury	3
HPER 207	Athletic Training Practicum 2*	2
HPER 208	Introduction to Exercise Physiology	3
HPER 220	Sports Officiating	3
HPER 224	Outdoor Recreation	3
HPER 245	Elementary Physical Education	3

Cultural Diversity Courses Associate of Science		1 course

These courses fulfill the cultural diversity requirements for the Associate of Science (AS) degree. Please refer to your specific degree for a list of all requirements.

Cultural Diversity Courses

ADMJ 223	The World of Crime*	3
ANTH 125	Cultural Anthropology* (Also meets a General Education requirement)	3
ANTH 130	World Cultures* (Also meets a General Education requirement)	3
ANTH 134	Native Americans*	3
ANTH 135	American Indian Artistic Tradition*	3
ANTH 142	World Prehistory* (Also meets a General Education requirement)	3
ANTH 150	People and Cultures of Mesoamerica*	3
ARTH 186	Art History: Introduction to Asian Art*	3
BIOL 132	Introduction to Public Health*	3
BUS 235	Introduction to International Business*	3
ENGL 215	U.S. Latino and Latina Literature* (Also meets a General Education requirement)	3
ENGL 217	Literature by Women* (Also meets a General Education requirement)	3
ENGL 244	Literature of American Popular Music*	3
FL 111	Ancient Greek Readings and Grammar*	5
FL 145	Field Study in Russian Language & Culture*	2
GEOS 145	World Regional Geography*	3
HC 125	International Awareness Field Study*	2
HIST 135	Eastern Civilization* (Also meets a General Education requirement)	3
HIST 137	African American Studies* (Also meets a General Education requirement)	3
HIST 150	Islam: Religion & Civilization*	3
HIST 151	World History I: Traditional World* (Also meets a General Education requirement)	3
HIST 152	World History II: Modern World* (Also meets a General Education requirement)	3
HIST 160	Modern Russian History* (Also meets a General Education requirement)	3
HIST 162	Modern Latin America* (Also meets a General Education requirement)	3
HIST 167	Introduction to History: Japan*	3
HIST 195	History of the Middle East*	3
HUM 137	Introduction to Russian Culture*	3
HUM 145	Introduction to World Humanities I* (Also meets a General Education requirement)	3
HUM 146	Introduction to World Humanities II* (Also meets a General Education requirement)	3
HUM 150	Islam: Religion & Civilization*	3
HUM 156	Contemporary Approaches to World Mythology*	3
HUM 167	Introduction to Japanese Culture* (Also meets a General Education requirement)	3
INTR 145	Introduction to the Deaf Community*	3
MUS 126	Introduction to World Music* (Also meets a General Education requirement)	3
PHIL 142	History of Asian Philosophy*	3
POLS 132	Introduction to Comparative Government*	3
POLS 135	International Relations* (Also meets a General Education requirement)	3
POLS 200	Model United Nations*	3
PSYC 205	Human Sexuality*	3
PSYC 220	Social Psychology*	3
REL 120	Exploring World Religions* (Also meets a General Education requirement)	3
REL 125	Religions of the East* (Also meets a General Education requirement)	3
REL 126	Religions of the West* (Also meets a General Education requirement)	3
REL 150	Islam: Religion & Civilization*	3
SOC 122	Introduction to Sociology (Also meets a General Education requirement)	3
SOC 125	Social Problems* (Also meets a General Education requirement)	3
SOC 146	Introduction to Social Work and Social Welfare*	3
SOC 165	Chinese Society: Past and Present*	3

SPD 180	Intercultural Communication* (Also meets a General Education requirement)	3
WGS 201	Global Women's Studies* (Also meets a General Education requirement)	3
WGS 220	The Many Women of Islam*	3
Total Hours:		34