Associate of Science

The associate of science degree from JCCC

- is designed as a professional-oriented degree for transfer to another college or university to support progress toward earning a bachelors degree.
- requires a minimum of 63 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 (p. 1)		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 (p. 1)		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: Ancient World to the Renaissance	3
HIST 126	Western Civilization: Scientific Revolution to the Modern Age	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 (Also meets Cultural Diversity Requirement)	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 (Also meets Cultural Diversity Requirement)	3
HUM 165	Introduction to Chinese Culture	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 (p. 1)   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
ANTH 165	Linguistic Anthropology (Also meets Cultural Diversity Requirement)	3
B. Economics		
ECON 132	Survey of Economics	3
ECON 230	Principles of Macroeconomics	3
ECON 231	Principles of Microeconomics	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
POLS 175	Environmental Policy and Law	3
POLS 192	Political Theory (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 (p. 1)	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 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 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

Cultural Diversity Courses Associate of Science (p. 1)   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
ANTH 165	Linguistic Anthropology (Also meets a General Education Requirement)	3
ARTH 180	Art History: Ancient to Renaissance (Also meets General Education Requirement)	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 145	Field Study in Russian Language Culture	2
GEOS 145	World Regional Geography	3
GIST 101	Study Abroad Reflections*	1-3
GIST 250	Introduction to Globalization	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 and 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 180	North American Indian History	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 (Also meets General Education Requirement)	3
HUM 167	Introduction to Japanese Culture (Also meets a General Education requirement)	3
JOUR 220	International Media	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 (Also meets a General Education Requirement)	3
POLS 135	International Relations (Also meets a General Education requirement)	3
POLS 192	Political Theory (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	Contemporary Chinese Society	3
SOC 240	Sociology of Community	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: **33**

*Course has prerequisites