

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 60 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 27 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 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	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
MUS 128	History of Rock and Roll 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 128	Environmental Ethics	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
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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 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

B. 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

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 153	The Anthropology of the Paranormal Supernatural	3
ANTH 165	Linguistic Anthropology (Also meets a General Education Requirement)	3
ARTH 180	Art History: Ancient to Renaissance	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 232	Children's Literature*	3
ENGL 244	Literature of American Popular Music*	3
FMS 100	Intro to Film	3
FMS 200	Intro to Filmmaking and Media Aesthetics	3
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	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
MUS 128	History of Rock and Roll Music	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