

# 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 total program hours necessary to complete the associate of science degree include 33 credit hours of general education requirements plus a minimum of 27 additional credit hours of electives. Please refer to your specific degree for a list of all requirements.

General Education Area		Credit Hours
Communications, Associate of Science		9
These courses fulfill the communication skills requirements for the Associate of Science (AS) degree.		
<b>A. Communications</b>		
ENGL 121	Composition I*	3
<b>B. Communications Elective</b>		
Select two from the following:		6
COMS 120	Interpersonal Communication	
COMS 121	Public Speaking	
COMS 125	Personal Communication	
COMS 180	Intercultural Communication (Also meets the Cultural Diversity Requirement)	
ENGL 122	Composition II*	
ENGL 123	Technical Writing I*	
ENGL 140	Writing for Interactive Media*	
<b>Total Credit Hours</b>		<b>9</b>
Humanities, Associate of Science		6
These courses fulfill the humanities requirements for the Associate of Science (AS) degree.		
<b>Two courses from any of the following categories may count toward the six required hours.</b>		
<b>A. Literature/Theater</b>		
ENGL 130	Introduction to Literature*	3
ENGL 214	Environmental Literature*	3
ENGL 215	U.S. Latino and Latina Literature* (Also meets the Cultural Diversity Requirement)	3
ENGL 217	Literature by Women* (Also meets the Cultural Diversity Requirement)	3
ENGL 227	Introduction to Poetry*	3
ENGL 230	Introduction to Fiction*	3
ENGL 235	Drama as Literature*	3
ENGL 236	British Literature to 1800*	3
ENGL 237	British Literature after 1800*	3
ENGL 246	American Literature I*	3
ENGL 247	American Literature II*	3
ENGL 254	Masterpieces of the Cinema*	3
THEA 120	Introduction to Theater	3
<b>B. Foreign Language</b>		
FL 182	Intermediate Japanese I*	5
FL 192	Intermediate Chinese I*	3
FL 193	Intermediate Chinese II*	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
<b>C. History</b>		
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 the Cultural Diversity Requirement)	3
HIST 137	African American Studies (Also meets the Cultural Diversity Requirement)	3
HIST 140	U.S. History to 1877	3
HIST 141	U.S. History Since 1877	3
HIST 151	World History: Traditional (Also meets the Cultural Diversity Requirement)	3
HIST 152	World History: Modern World (Also meets the Cultural Diversity Requirement)	3
HIST 160	Modern Russian History (Also meets the Cultural Diversity Requirement)	3
HIST 162	Modern Latin America (Also meets the Cultural Diversity Requirement)	3
HIST 260	Women in U.S. History (Also meets the Cultural Diversity Requirement)	3
<b>D. Humanities</b>		
ARTH 180	Art History: Ancient to Medieval (Also meets the 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
ARTH 200	Women, Art, and Society (Also meets the Cultural Diversity Requirement)	3
HUM 122	Introduction to Humanities	3
HUM 145	Introduction to World Humanities I (Also meets the Cultural Diversity Requirement)	3
HUM 146	Introduction to World Humanities II (Also meets the Cultural Diversity Requirement)	3
HUM 155	Classical Mythology	3
HUM 156	Contemporary Approaches to World Mythology (Also meets the Cultural Diversity Requirement)	3
HUM 165	Introduction to Chinese Culture	3
HUM 167	Introduction to Japanese Culture (Also meets the 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 the Cultural Diversity Requirement)	3
MUS 128	History of Rock and Roll Music (Also meets the Cultural Diversity Requirement)	3
REL 120	Exploring World Religions (Also meets the Cultural Diversity Requirement)	3
REL 125	Asian Religions (Also meets the Cultural Diversity Requirement)	3
REL 126	Religions of the West (Also meets the Cultural Diversity Requirement)	3
<b>E. Philosophy</b>		
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
<b>Total Credit Hours</b>		<b>6</b>
Social Science and Economics, Associate of Science		
		6

These courses fulfill the social science/economics requirements for the Associate of Science (AS) degree.

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

**A. Anthropology**

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

ANTH 142	World Prehistory (Also meets the Cultural Diversity Requirement)	3
ANTH 165	Linguistic Anthropology (Also meets the Cultural Diversity Requirement)	3
<b>B. Economics</b>		
ECON 132	Survey of Economics	3
ECON 230	Principles of Macroeconomics	3
ECON 231	Principles of Microeconomics	3
<b>C. Political Science</b>		
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 the Cultural Diversity Requirement)	3
POLS 135	International Relations (Also meets the Cultural Diversity Requirement)	3
POLS 175	Environmental Policy and Law	3
POLS 192	Political Theory (Also meets the Cultural Diversity Requirement)	3
POLS 220	Introduction to Public Policy	3
<b>D. Psychology</b>		
PSYC 121	Applied Psychology	3
PSYC 130	Introduction to Psychology	3
<b>E. Sociology</b>		
SOC 122	Introduction to Sociology (Also meets the Cultural Diversity Requirement)	3
SOC 125	Social Problems (Also meets the Cultural Diversity Requirement)	3
SOC 131	Sociology of Families	3
<b>F. Gender and Ethnic Studies</b>		
WGS 201	Global Women's Studies (Also meets the Cultural Diversity Requirement)	3
<b>Total Credit Hours</b>		<b>6</b>

Science and Mathematics, Associate of Science 12

These courses fulfill the science and mathematics requirements for the Associate of Science (AS) degree.

**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
MATH 285	Statistics for Business*	4

**B. Science**

(Life Science)

BIOL 121	Introductory Biology for Non-Majors	4
BIOL 125	General Botany	5
BIOL 127	General Zoology	5
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 (Physical Science)	Microbiology Lab*	2
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
EVRN 124	Oceanus: Essentials of Oceanography	3
EVRN 130	Environmental Science	3
EVRN 131	Environmental Science Lab*	1
EVRN 134	Principles of Sustainability	3
GEOS 130	General Geology	5
GEOS 140	Physical Geography	3
GEOS 141	Physical Geography Lab*	2
GEOS 145	World Regional Geography (Also meets the Cultural Diversity Requirement)	3
GEOS 155	Human Geography (Also meets the 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
<b>Total Credit Hours</b>		<b>12</b>

Cultural Diversity, Associate of Science

1 course

These courses fulfill the cultural diversity requirements for the Associate of Science (AS) degree.

**Cultural Diversity Courses**

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 Art	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 135	American Indian Art	3
ARTH 180	Art History: Ancient to Medieval (Also meets a General Education Requirement)	3
ARTH 186	Art History: Introduction to Asian Art	3
ARTH 200	Women, Art, and Society (Also meets a General Education Requirement)	3
BIOL 132	Introduction to Public Health	3
BUS 235	Introduction to International Business	3
CJ 223	The World of Crime*	3
COMS 180	Intercultural Communication (Also meets a General Education Requirement)	3
EDUC 221	Diversity, Equity and Inclusion for K-12 Educators	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 (Also meets a General Education Requirement)	3
GEOS 155	Human Geography (Also meets a General Education Requirement)	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: Traditional (Also meets a General Education Requirement)	3
HIST 152	World History: 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
HIST 260	Women in U.S. History (Also meets a General Education Requirement)	3
HPER 251	Sport and Society	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 a General Education Requirement)	3
HUM 167	Introduction to Japanese Culture (Also meets a General Education Requirement)	3
JOUR 220	International Media	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
PHIL 177	Feminist Theory	3
PHOT 200	Foundations in Photography	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	Asian Religions (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
SAG 205	Agroecology in the Americas	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 180	Inequality and Diversity in The United States	3
SOC 240	Sociology of Community	3
SOC 270	Men and Masculinities	3
WGS 201	Global Women's Studies (Also meets a General Education Requirement)	3
WGS 220	The Many Women of Islam	3

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**Total Hours:**
**33**

\*Course has prerequisites