

# 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. |  |              |
| Code  | Title  | Hours        |
| <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>      |  |              |
| Code  | Title  | Hours        |
| <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 232  | Children's Literature* (Also meets the Cultural Diversity Requirement)             | 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 132             | History of Africa (Also meets the Cultural Diversity Requirement)                          | 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 143             | Ancient Greece, the Near East and Egypt (Also meets the Cultural Diversity Requirement)    | 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 180             | North American Indian History (Also meets the Cultural Diversity Requirement)              | 3 |
| HIST 210             | Environmental History of North America   | 3 |
| HIST 250             | American West  | 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 (Also meets the Cultural Diversity Requirement)             | 3 |
| ARTH 188             | History of Photography   | 3 |
| ARTH 200             | Women, Art, and Society (Also meets the Cultural Diversity Requirement)                    | 3 |
| FMS 100              | Intro to Film (Also meets the Cultural Diversity Requirement)                              | 3 |
| HUM 122              | Introduction to Humanities   | 3 |
| HUM 145              | World Humanities: Ancient to Medieval (Also meets the Cultural Diversity Requirement)      | 3 |
| HUM 146              | World Humanities: Renaissance to Modern (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 130             | Food 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.**

| Code                                | Title  | Hours    |
|-------------------------------------|--|----------|
| <b>A. Anthropology</b>              |  |          |
| 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 200                            | Model United Nations (Also meets the Cultural Diversity Requirement)                   | 3        |
| POLS 220                            | Introduction to Public Policy  | 3        |
| POLS 245                            | Introduction to Public Administration  | 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>G. Criminal Justice</b>          |  |          |
| CJ 223                              | International Criminal Justice Systems (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.**

| Code                  | Title                                      | Hours |
|-----------------------|--|-------|
| <b>A. Mathematics</b> |  |       |
| 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>B. Science</b>         |  |           |
| (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 161                  | Introduction to Biotechnology  | 4         |
| 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         |
| 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.

| Code                              | Title  | Hours |
|-----------------------------------|--|-------|
| <b>Cultural Diversity Courses</b> |  |       |
| 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 184 | Art History: Twentieth Century (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   | International Criminal Justice Systems (Also meets a General Education Requirement)     | 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 (Also meets a General Education Requirement)                              | 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 132 | History of Africa (Also meets a General Education Requirement)                          | 3   |
| HIST 135 | Eastern Civilization (Also meets a General Education Requirement)                       | 3   |
| HIST 137 | African American Studies (Also meets a General Education Requirement)                   | 3   |
| HIST 143 | Ancient Greece, the Near East and Egypt (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 (Also meets the Cultural Diversity Requirement)           | 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  | World Humanities: Ancient to Medieval (Also meets a General Education Requirement)      | 3   |
| HUM 146  | World Humanities: Renaissance to Modern (Also meets a General Education Requirement)    | 3   |
| HUM 150  | Islam: Religion and 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 (Also meets a General Education Requirement)             | 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 (Also meets the Cultural Diversity Requirement)   | 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 and 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 |

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

Note: The associate of science is designed as a transfer degree. Students should refer to the transfer information (<https://www.jccc.edu/student-resources/transfer/>) available in the Student Success Center when selecting electives. Students interested in a specific area of study should talk with a JCCC counselor (<https://www.jccc.edu/student-resources/counseling/academic-counseling/>).

\* This course has registration requirements.