

Dental Hygiene, AAS

A key member of the professional dental team, the licensed dental hygienist is on the "front line" of patient care, responsible for providing educational, clinical and therapeutic services that promote total health through good oral health. The growing public awareness of the benefits of oral health, combined with the growth of corporate dental plans, has significantly increased the demand for dental care and has made dental hygiene one of the country's fastest-growing careers. The U.S. Bureau of Labor Statistics suggests the dental hygiene profession is expected to grow 20 percent from 2016 to 2026, much faster than that for all occupations. Competitive salaries and flexible work schedules are added benefits. Students in JCCC's dental hygiene program prepare for careers as preventive dental professionals who have a choice of working in a variety of settings. Upon successful completion of licensure requirements and board examinations, graduates find jobs in school systems, nursing homes and dental supply firms, as well as private dental offices.

Fully accredited by the American Dental Association Commission on Dental Accreditation, this 79-credit-hour program requires four semesters and one summer session of full-time study. Successful completion leads to an associate of applied science degree. All dental hygiene students gain important practical experience working in JCCC's state-of-the-art clinical facility under the supervision of licensed dental hygienists and dentists.

For more information about the career paths of the dental hygiene professional, see the American Dental Hygiene Association website (<http://www.adha.org/professional-roles/>).

Enrollment is limited. The deadline for fall semester applications is December 1st. Fall course transcripts are due January 15th. For an application, call the dental hygiene program at (913)469-3808 or download a copy by visiting the Dental Hygiene Application Process. (<http://www.jccc.edu/academics/credit/dental-hygiene/dhyg-applicaion-instructions.html>)

(Major Code 223A; CIP Code 51.0602)

Dental Hygiene Program web page (<http://www.jccc.edu/academics/credit/dental-hygiene/>)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html>) and Institutional Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html>) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Dental Hygiene, AAS from JCCC will be able to:

- Graduates must be competent in providing the dental hygiene process of care including assessment, diagnosis, planning, implementation, evaluation and documentation to people of all stages of life, ages, and cultural backgrounds.
 - Individualized client treatment includes preventive and therapeutic interventions designed to achieve and maintain oral health.
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 - Individualized client treatment includes preventive and therapeutic interventions designed to achieve and maintain oral health.
 - Obtain the client's informed consent after thorough case presentation.
 - Evaluate the effectiveness of clinical, preventive, and educational interventions provided to the client and modify as necessary.
 - Recommend and/or provide subsequent treatment and referral based on evaluation of medical and dental findings.
- Graduates must be competent in their ability to assess, plan, implement, and evaluate the oral health needs of community-based programs.
- Graduates must be competent in communication skills with individuals, colleagues, and other professionals from diverse backgrounds.
- Graduates must be competent in ethical and professional standards both in their conduct and in the delivery of evidence-based dental hygiene care.
- Graduates must be competent in the use of critical thinking and problem-solving skills.
- Graduates must be competent in health and safety precautions.
- Graduates must be competent in their ability to continuously self-assess their work throughout their educational career, developing skills to increase growth in knowledge and practice.
- Graduates must be competent in assessing professional and social networks to assist initiatives for health promotion and disease prevention and promote activities for lifelong learning and professional growth.

Associate of Applied Science Degree

Before Beginning Clinical Courses

| Code | Title | Hours |
|--|--|-----------|
| BIOL 140 | Human Anatomy (BIOL 140 must be taken prior to BIOL 225) | 4 |
| BIOL 225 | Human Physiology* | 4 |
| BIOL 230 & BIOL 231 | Microbiology* and Microbiology Lab* | 5 |
| CHEM 122 | Principles of Chemistry* (CHEM 122 must be taken prior to BIOL 225, BIOL 230 and BIOL 231) | 5 |
| Note: CHEM 124 and CHEM 125 will satisfy the CHEM 122 requirement. | | |
| ENGL 121 or ENGL 119 | Composition I* College Composition I with Review* | 3 |
| PSYC 130 | Introduction to Psychology | 3 |
| Total Hours | | 24 |

Note: CHEM 122 or BIOL 140 or BIOL 230 and BIOL 231 and either ENGL 121 or PSYC 130 must be completed by the end of the fall semester.

Note: Transcripts from the fall semester are due January 15. The application deadline is December 1.

Fall Semester

| Code | Title | Hours |
|--------------------|--|-----------|
| DHYG 121 | Clinical Dental Hygiene I: Pre-Clinic* | 5 |
| DHYG 125 | Developmental Dentistry* | 2 |
| DHYG 138 | Head and Neck Anatomy* | 2 |
| DHYG 142 | Dental Radiography* | 2 |
| SOC 122 | Introduction to Sociology | 3 |
| Total Hours | | 14 |

Spring Semester

| Code | Title | Hours |
|--------------------|-----------------------------|-----------|
| DHYG 135 | Dental Materials* | 2 |
| DHYG 140 | Clinical Dental Hygiene II* | 4 |
| DHYG 146 | Periodontics* | 3 |
| DHYG 148 | Dental Health Education* | 2 |
| Total Hours | | 11 |

Summer Semester

| Code | Title | Hours |
|--------------------------------|---------------------------------|----------|
| BIOL 235 | The Science of Human Nutrition* | 3 |
| Arts and Humanities Elective ^ | | 3 |
| Total Hours | | 6 |

Fall Semester

| Code | Title | Hours |
|--------------------|--|-----------|
| DHYG 221 | Clinical Dental Hygiene III* | 6 |
| DHYG 225 | General and Oral Pathology* | 3 |
| DHYG 232 | Pharmacology for the Dental Hygienist* | 2 |
| DHYG 234 | Local Anesthesia for the Dental Hygienist* | 1 |
| Total Hours | | 12 |

Spring Semester

| Code | Title | Hours |
|--|--|-----------|
| COMS 120 or COMS 121 or COMS 125 | Interpersonal Communication Public Speaking Personal Communication | 3 |
| DHYG 240 | Dental Public Health* | 2 |
| DHYG 245 | Nitrous Oxide Analgesia* | 1 |
| DHYG 250 | Clinical Dental Hygiene IV* | 6 |
| Total Hours | | 12 |

Total Program Hours: 79

* This course has registration requirements.

^ See all AAS general education electives (<https://catalog.jccc.edu/degreerequirements/associate-applied-science/>).

JCCC General Education Requirements

English and Communications, Associate of Applied Science (3 hrs.)

| Code | Title | Hours |
|--|---|-------|
| ENGL 121 or ENGL 119 | Composition I* College Composition I with Review* | 3 |
| If your specific degree program requires a communications elective, select one from the following: | | |
| COMS 121 or COMS 120 or COMS 125 or ENGL 122 or ENGL 123 or ENGL 140 | Public Speaking Interpersonal Communication Personal Communication Composition II* Technical Writing I* Writing for Interactive Media* | 3 |

Arts and Humanities, Associate of Applied Science (3 hrs.)

| Code | Title | Hours |
|-----------------------------|------------------------------------|-------|
| Art History | | |
| ARTH 180 | Art History: Ancient to Medieval | 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 | 3 |
| Communications | | |
| COMS 180 | Intercultural Communication | 3 |
| English | | |
| English (Literature) | | |
| ENGL 130 | Introduction to Literature* | 3 |
| ENGL 214 | Environmental Literature* | 3 |
| ENGL 215 | U.S. Latino and Latina Literature* | 3 |
| ENGL 216 | African-American Literature* | 3 |
| ENGL 217 | Literature by Women* | 3 |
| ENGL 227 | Introduction to Poetry* | 3 |
| ENGL 230 | Introduction to Fiction* | 3 |
| ENGL 232 | Children's Literature* | 3 |
| ENGL 235 | Drama as Literature* | 3 |



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| 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 |
| English (Writing) | | |
| ENGL 222 | Advanced Composition: The Art of the Essay* | 3 |
| ENGL 223 | Introduction to Creative Writing* | 3 |
| ENGL 257 | Generative AI and The Future of Writing* | 3 |
| Film and Media Studies | | |
| FMS 100 | Intro to Film | 3 |
| FMS 200 | Intro to Filmmaking and Media Aesthetics | 3 |
| Foreign Languages | | |
| FL 120 | Elementary German I | 5 |
| FL 121 | Elementary German II* | 5 |
| FL 130 | Elementary Spanish I | 5 |
| FL 131 | Elementary Spanish II* | 5 |
| FL 140 | Elementary French I | 5 |
| FL 141 | Elementary French II* | 5 |
| FL 165 | Elementary Chinese I | 5 |
| FL 166 | Elementary Chinese II* | 5 |
| FL 170 | Elementary Japanese I | 5 |
| FL 171 | Elementary Japanese II* | 5 |
| FL 182 | Intermediate Japanese I* | 5 |
| FL 183 | Intermediate Japanese II* | 5 |
| 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 |
| FL 265 | Intermediate Chinese I* | 3 |
| FL 266 | Intermediate Chinese II* | 3 |
| History | | |
| HIST 120 | Local and Kansas History | 3 |
| 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 | 3 |
| HIST 135 | Eastern Civilization | 3 |
| HIST 137 | African American History | 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 | 3 |
| HIST 145 | History of Ancient Rome | 3 |
| HIST 149 | History of India | 3 |
| HIST 150 | Islam: Religion and Civilization | 3 |



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| HIST 151 | World History: Traditional | 3 |
| HIST 152 | World History: Modern World | 3 |
| HIST 160 | Modern Russian History | 3 |
| HIST 162 | Modern Latin America | 3 |
| HIST 165 | History of China | 3 |
| HIST 167 | Introduction to History: Japan | 3 |
| HIST 180 | North American Indian History | 3 |
| HIST 195 | History of the Middle East | 3 |
| HIST 200 | Empires of the Silk Road | 3 |
| HIST 210 | Environmental History of North America | 3 |
| HIST 250 | American West | 3 |
| HIST 260 | Women in U.S. History | 3 |
| Humanities | | |
| HUM 122 | Introduction to Humanities | 3 |
| HUM 145 | World Humanities: Ancient to Medieval | 3 |
| HUM 146 | World Humanities: Renaissance to Modern | 3 |
| HUM 150 | Islam: Religion and Civilization | 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 | 3 |
| Journalism | | |
| JOUR 120 | Mass Media and Society | 3 |
| Music | | |
| MUS 121 | Introduction to Music Listening | 3 |
| MUS 125 | Introduction to Jazz Listening | 3 |
| MUS 126 | Introduction to World Music | 3 |
| MUS 128 | History of Rock and Roll Music | 3 |
| Religion | | |
| REL 120 | Exploring World Religions | 3 |
| REL 125 | Asian Religions | 3 |
| REL 126 | Religions of the West | 3 |
| REL 150 | Islam: Religion and Civilization | 3 |
| Philosophy | | |
| 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 |
| Photography | | |
| PHOT 200 | Foundations in Photography | 3 |
| Theater | | |
| THEA 120 | Introduction to Theater | 3 |

Social and Behavioral Sciences, Associate of Applied Science (3 hrs.)

| Code | Title | Hours |
|---------------------|-----------------------|-------|
| Anthropology | | |
| ANTH 125 | Cultural Anthropology | 3 |

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| ANTH 126 | Physical Anthropology | 3 |
| ANTH 130 | World Cultures | 3 |
| ANTH 142 | World Prehistory | 3 |
| ANTH 165 | Linguistic Anthropology | 3 |
| Criminal Justice | | |
| CJ 121 | Introduction to Criminal Justice System | 3 |
| CJ 141 | Criminal Law | 3 |
| CJ 223 | International Criminal Justice Systems | 3 |
| Economics | | |
| ECON 132 | Survey of Economics | 3 |
| ECON 230 | Principles of Macroeconomics | 3 |
| ECON 231 | Principles of Microeconomics | 3 |
| Geoscience | | |
| GEOS 145 | World Regional Geography | 3 |
| GEOS 155 | Human Geography | 3 |
| Legal Studies | | |
| LAW 120 | Introduction to Paralegal Studies | 3 |
| LAW 121 | Introduction to Law | 3 |
| 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 | 3 |
| POLS 135 | International Relations | 3 |
| POLS 175 | Environmental Policy and Law | 3 |
| POLS 192 | Political Theory | 3 |
| POLS 200 | Model United Nations | 3 |
| POLS 220 | Introduction to Public Policy | 3 |
| POLS 245 | Introduction to Public Administration | 3 |
| Psychology | | |
| PSYC 121 | Applied Psychology | 3 |
| PSYC 130 | Introduction to Psychology | 3 |
| PSYC 215 | Child Development* | 3 |
| PSYC 218 | Human Development* | 3 |
| Sociology | | |
| SOC 122 | Introduction to Sociology | 3 |
| SOC 125 | Social Problems | 3 |
| SOC 131 | Sociology of Families | 3 |
| SOC 146 | Introduction to Social Work and Social Welfare | 3 |
| Gender and Ethnic Studies | | |
| WGS 201 | Global Women's Studies | 3 |

Mathematics and Sciences, Associate of Applied Science (3 hrs.)

| Code | Title | Hours |
|--------------------|---------------------------|-------|
| Mathematics | | |
| MATH 120 | Business Mathematics* | 3 |
| MATH 130 | Technical Mathematics I* | 3 |
| MATH 131 | Technical Mathematics II* | 3 |
| MATH 151 | Contemporary Mathematics* | 3 |
| MATH 161 | Elementary Statistics* | 3 |



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| MATH 171 | College Algebra* | 3 |
| MATH 172 | Trigonometry* | 3 |
| MATH 173 | Precalculus* | 5 |
| MATH 175 | Discrete Mathematics and its Applications* | 3 |
| MATH 201 | 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 |
| 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 |
| EVRN 124 | Oceanus: Essentials of Oceanography | 3 |
| EVRN 130 | Environmental Science | 3 |
| EVRN 132 | Environmental Science Laboratory* | 2 |
| EVRN 134 | Principles of Sustainability | 3 |
| EVRN 250 | Bioethics in Science and Research* | 3 |
| EVRN 275 | Nature, Law, and Environmental Protection* | 3 |
| 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 |
| ENGR 121 | Engineering Orientation | 2 |
| GEOS 130 | General Geology | 5 |
| GEOS 140 | Physical Geography | 3 |
| GEOS 141 | Physical Geography Lab* | 2 |
| GEOS 160 | Introduction to Meteorology | 5 |
| PHYS 130 | College Physics I* | 5 |
| PHYS 131 | College Physics II* | 5 |
| PHYS 220 | Engineering Physics I* | 5 |

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| PHYS 221 | Engineering Physics II* | 5 |
| PSCI 120 | Physical Science | 4 |

Cavalier Credits (3 hrs.)

| Code | Title | Hours |
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Requires the completion of 3 additional credit hours to be selected from one of the above general education categories.

General Education Hours: 15