

At JCC, academic areas are organized into six career pathways to address the variety of career and training options in related fields. Within each career pathway, students can choose between certificate and associate degree programs designed to provide skills for immediate employment or job advancement. Each career pathway also offers several transfer programs for students who plan to pursue advanced degrees at four-year colleges or universities.

Based on their career goals, JCC students can find a career pathway that matches their knowledge, skills and attributes. The six career pathways are:

- Arts & Communication
- Business, Management, Marketing & Technology
- Engineering/Manufacturing & Industrial Technology
- Health Sciences
- Human Services
- Natural Resources & Agriscience

ARTS & COMMUNICATION CAREER PATHWAY

This pathway includes careers related to the humanities and the performing, visual, literary and media arts. This career path may include careers in writing, journalism, web design, foreign language, radio and television broadcasting and public relations.

DEGREES/CERTIFICATES

Visual Communication

- Graphic Design Specialty
- Multimedia & Web Design Specialty

TRANSFER PROGRAMS IN THE ARTS & COMMUNICATION PATHWAY

The first two years of a student's college education usually consist of general education courses, introductory courses in a major and/or program of study and selected electives. Refer to pages 38-40 for additional information on transfer and MACRAO. Academic advisors will assist students in planning their transfer program. They can also provide transfer guide sheets indicating JCC courses that meet the requirements of various programs of study at four-year colleges. Sample curricula for a few popular transfer programs are included.

- Art
- English
- History
- Music
- Theatre

VISUAL COMMUNICATION/ GRAPHIC DESIGN — ASSOCIATE IN APPLIED SCIENCE

Minimum credits:	63
Minimum cumulative GPA:	2.0
Minimum JCC credits:	12
MACRAO Agreement:	No

GENERAL EDUCATION REQUIREMENTS — (17 credits)

ENGLISH (3 credits)

ENG 131 Writing Experience	3
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MATHEMATICS — (3 credits)

MTH 112 Business Mathematics	3
• or higher level mathematics course	

SCIENCE — (4 credits)

Choose one of the following:

BIO 131 General Biology	4
CEM 121 Chemistry of Life	4
CEM 131 General Chemistry	4
CEM 141 General Inorganic Chemistry	5
GEL 160 Introduction to Geology	4
NSC 131 Contemporary Science	4
PHY 131 Conceptual Physics	4
PHY 151 Astronomy	4

SOCIAL SCIENCE — (3 credits)

ECN 231 Macroeconomics	3
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HEALTH/PHYSICAL FITNESS — (1 credit)

Choose one of the following:

HPF 160 Wellness	1
HPF 168 Weight Training & Conditioning	2
HPF 221 Jazz Techniques	2
HPF 277 Stress Management	2
HPF 278 Stress Management for Parents	2

HUMANITIES — (3 credits)

Choose one of the following:

ART 111 Art History: Prehistoric-1400	3
ART 112 Art History: Renaissance-History	3
ENG 236 Women in a Changing Society	3
ENG 246 Short Story & Novel	3
ENG 247 Poetry and Drama	3
ENG 249 African American Literature	3
ENG 252 Shakespeare	3
ENG 255 American Literature 19th Century	3
ENG 256 American Literature 20th Century	3
ENG 257 World Literature	3
HUM 131 Cultural Connections	3

MUS 131 Understanding Music	3
PHL 231 Introduction to Philosophy	3
PHL 232 Logic	3
THR 116 Introduction to Theatre	3

RELATED BUSINESS REQUIREMENTS — (15 credits)

BUS 131 Introduction to Business	3
BUS 132 Advertising, Promotion and Public Relations	3
BUS 155 Human Relations in Business	3
ENG 232 Technical & Business Writing	3
ITE 101 Information Technology Education	3

GRAPHIC DESIGN CORE REQUIREMENTS — (34 credits)

ART 101 Two-Dimensional Design	3
• or ART 103 Drawing	3
• or ART 152 Painting & Composition	3
ITE 171 Desktop Publishing	3
ITE 211 Typography & Layout	3
ITE 245 Internship	1-6*
ITE 270 Graphic Creativity	1
ITE 271 Desktop Publishing II	3
ITE 272 Graphic Illustration	3
ITE 273 Graphic Imaging	3
ITE 274 Graphic Technology Applications	3
ITE 276 Practicum in Printing I	3
ITE 277 Practicum in Printing II	3

*Minimum required for this degree is three credits

SAMPLE CURRICULUM FOR GRAPHIC DESIGN**First Year, Fall Semester**

ART 101, 103 or 152, ENG 131, ITE 101, MTH 112 or higher

First Year, Winter Semester

BUS 131, ENG 232, ITE 171, Humanities Requirement

First Year, Spring Semester

ITE 270, Health & Physical Fitness Requirement

Second Year, Fall Semester

BUS 155, ITE 211, ITE 272, Science Requirement, ITE 276

Second Year, Winter Semester

BUS 132, ITE 271, ITE 273, ITE 277

Second Year, Spring Semester

ITE 245, ITE 274

**VISUAL COMMUNICATION/
MULTIMEDIA & WEB DESIGN –
ASSOCIATE IN APPLIED SCIENCE**

Minimum credits:	62
Minimum cumulative GPA:	2.0
Minimum JCC credits:	12
MACRAO Agreement:	No

GENERAL EDUCATION REQUIREMENTS — (17 credits)**ENGLISH — (3 credits)**

ENG 131 Writing Experience	3
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MATHEMATICS (3 credits)

MTH 112 Business Mathematics	3
• or higher level mathematics course	

SCIENCE — (4 credits)**Choose one of the following:**

BIO 131 General Biology	4
CEM 121 Chemistry of Life	4
CEM 131 General Chemistry	4
CEM 141 General Inorganic Chemistry	5
GEL 160 Introduction to Geology	4
NSC 131 Contemporary Science	4
PHY 131 Conceptual Physics	4
PHY 151 Astronomy	4

SOCIAL SCIENCE — (3 credits)

ECN 231 Macroeconomics	3
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HEALTH/PHYSICAL FITNESS — (1 credit)**Choose one of the following:**

HPF 160 Wellness	1
HPF 168 Weight Training & Conditioning	2
HPF 221 Jazz Techniques	3
HPF 277 Stress Management	2
HPF 278 Stress Management for Parents	2

HUMANITIES — (3 credits)**Choose one of the following:**

ART 111 Art History: Prehistoric-1400	3
ART 112 Art History: Renaissance - History	3
ENG 236 Women in a Changing Society	3
ENG 246 Short Story & Novel	3
ENG 247 Poetry and Drama	3
ENG 249 African American Literature	3
ENG 252 Shakespeare	3
ENG 255 American Literature 19th Century	3
ENG 256 American Literature 20th Century	3
ENG 257 World Literature I	3
HUM 131 Cultural Connections	3

MUS 131 Understanding Music	3
PHL 231 Introduction to Philosophy	3
PHL 232 Logic	3
THR 116 Introduction to Theatre	3

RELATED BUSINESS REQUIREMENTS — (15 credits)

BUS 131 Introduction to Business	3
BUS 132 Advertising, Promotion and Public Relations	3
BUS 155 Human Relations in Business	3
ENG 232 Technical & Business Writing	3
ITE 101 Information Technology Education	3

MULTIMEDIA & WEB DESIGN CORE REQUIREMENTS — (30 credits)

ART 201 Three-Dimensional Design	3
ITE 042 MS FrontPage Workshop	1
ITE 127 MS Access Comprehensive	3
ITE 160 HTML	2
ITE 161 Web Animation	3
ITE 162 Web Integration with Database	3
ITE 163 Web Programming	3
ITE 171 Desktop Publishing	3
ITE 272 Graphic Illustration	3
ITE 273 Graphic Imaging	3
ITE 275 Web Page Design	3

SAMPLE CURRICULUM FOR MULTIMEDIA AND WEB DESIGN**First Year, Fall Semester**

ENG 131, ITE 042, ITE 101, ITE 160, Science Requirement

First Year, Winter Semester

ART 201, BUS 131, ITE 163, ITE 273, Humanities Requirement

First Year, Spring Semester

MTH 112 or higher level of math, Health & Physical Fitness Requirement

Second Year, Fall Semester

BUS 155, ENG 232, ITE 127, ITE 161, ITE 272

Second Year, Winter Semester

BUS 132, ECN 231, ITE 171

Second Year, Spring Semester

ITE 275, ITE 162

VISUAL COMMUNICATION/ GRAPHIC DESIGN — CERTIFICATE

Minimum credits:	40
Minimum cumulative GPA:	2.0
Minimum JCC credits:	12
MACRAO Agreement:	No

GENERAL EDUCATION REQUIREMENTS — (9 credits)

ENG 131 Writing Experience	3
ITE 101 Information Technology Education	3
MTH 112 Business Mathematics	3
• or higher level mathematics course	

GRAPHIC DESIGN CORE REQUIREMENTS — (31 credits)

ART 101 Two-Dimensional Design	3
• or ART 103 Drawing	3
• or ART 152 Painting & Composition	3
ITE 171 Desktop Publishing	3
ITE 211 Typography & Layout	3
ITE 245 Internship	3
ITE 270 Graphic Creativity	1
ITE 271 Desktop Publishing II	3
ITE 272 Graphic Illustration	3
ITE 273 Graphic Imaging	3
ITE 274 Graphic Technology Applications	3
ITE 276 Practicum in Printing I	3
ITE 277 Practicum in Printing I	3

SAMPLE CURRICULUM FOR GRAPHIC DESIGN**Fall Semester**

ART 101 or ART 103 or ART 152, ITE 101, ITE 171, ITE 211, ITE 272, ITE 276

Winter Semester

ENG 131, ITE 271, ITE 273, ITE 277, MTH 112 or higher level math

Spring Semester

ITE 245, ITE 270, ITE 274

VISUAL COMMUNICATION/ MULTIMEDIA AND WEB DESIGN — CERTIFICATE

Minimum credits:	39
Minimum cumulative GPA:	2.0
Minimum JCC credits:	12
MACRAO Agreement:	No

GENERAL EDUCATION REQUIREMENTS — (9 credits)

ENG 131 Writing Experience	3
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ITE 101 Information Technology Education	3
MTH 112 Business Math	3
• or higher level mathematics course	

MULTIMEDIA & WEB DESIGN CORE**REQUIREMENTS — (30 credits)**

ART 201 Three-Dimensional Design	3
ITE 042 MS FrontPage Workshop	1
ITE 127 MSAccess Comprehensive	3
ITE 160 HTML	2
ITE 161 Web Animation	3
ITE 162 Web Integration with Database	3
ITE 163 Web Programming	3
ITE 171 Desktop Publishing	3
ITE 272 Graphic Illustration	3
ITE 273 Graphic Imaging	3
ITE 275 Web Page Design	3

SAMPLE CURRICULUM FOR MULTIMEDIA AND WEB DESIGN**Fall Semester**

ITE 042, ITE 101, ITE 127, ITE 160, ITE 171, ITE 272

Winter Semester

ART 201, ENG 131, ITE 161, ITE 163, ITE 273, MTH 112

Spring Semester

ITE 275, ITE 162

TRANSFER PROGRAMS**ART**

Visual artists create art to communicate ideas, thoughts or feelings. They use a variety of methods: painting, sculpting or illustration and an assortment of materials including watercolors, acrylics, pastels, pencils, pen and ink, plaster, clay and computers. Visual artists' works may be realistic, stylized or abstract and may depict objects, people, nature or events. Sample curricula for a few popular transfer programs are included.

Admittance to a four-year college art program is highly competitive. Check with the transfer institution to determine the admittance process. During the first semester of your freshman year, check whether ART classes will transfer to meet requirements of the transfer institution.

Some transfer institutions grant studio art credit ONLY upon approval of a portfolio.

SAMPLE CURRICULUM FOR ART**First Year, Fall Semester**

ART 101, ART 111, ENG 131, MTH 131 or 140*, MACRAO Science course

First Year, Winter Semester

ART 112, ART 201, ENG 132, MACRAO Science course, MACRAO Social Science course

Second Year, Fall Semester

ART 103, ART 152, MACRAO Social Science course, Non-art MACRAO Humanities course

Second Year, Winter Semester

ART 203, MACRAO Social Science course, Electives

**Check mathematics requirements at intended transfer institution.*

DANCE

Dancers use their bodies in a variety of ways to respond to social and political realities. Creative movement, awareness of the body in space and time and performance experience are excellent training for careers that demand poise and confidence in public presentations. During your first semester, check on the transfer status of DAN classes with the university of your choice.

At JCC, DAN courses are cross listed with HPF courses and fulfill the ADO requirements for wellness.

ENGLISH

Students who major or minor in English find work in a variety of fields. Careers such as writing, teaching, library science, editing and publishing are directly related to specific studies in English language and literature. English is an excellent Pre-Law major. Many transfer institutions require that English majors have proficiency in a foreign language. The level of this proficiency varies - some require third-semester proficiency but more require fourth-semester proficiency.

SAMPLE CURRICULUM FOR ENGLISH**First Year, Fall Semester**

ENG 131, MTH 131 or MTH 140*, Foreign Language 131, MACRAO Science course

First Year, Winter Semester

ENG 132, ENG 246, Foreign Language 132, MACRAO Science course

First Year, Spring Semester

MACRAO Social Science courses

Second Year, Fall Semester

ENG 247, ENG 255, ENG 261, Foreign Language 231

Second Year, Winter Semester

ENG 252, ENG 256, Foreign Language 232, MACRAO Social Science course, SPH 231

**Check mathematics requirements of transfer institution.*

HISTORY

History examines the lives of people and the consequences of ideas. Study of the past reveals valuable achievements as well as dreadful mistakes, and in so doing helps us meet the unexpected challenges of our own day.

SAMPLE CURRICULUM FOR HISTORY**First Year, Fall Semester**

ENG 131, HIS 131, MTH 131 or MTH 140*, MACRAO Science course

First Year, Winter Semester

ENG 132, GEO 132, HIS 132, PHL 231, MACRAO Science course

Second Year, Fall Semester

ECN 231, HIS 231, PLS 141, Electives

Second Year, Winter Semester

ECN 232, HIS 232, Electives

**Check mathematics requirements of transfer institution.*

MUSIC

Many occupations include music, the most obvious being a vocalist or musical entertainer. Others include songwriting, music teacher, music therapist, conductor, music critic or music librarian. Some music majors work on the business side of the industry and become agents or store owners.

Music students have access to the College's incredible performing arts complex, the George E. Potter Center. Students who qualify can study and perform with the JCC Choir, Jackson Community Concert Band or Symphonic Music Orchestra. These provide valuable concert experiences as well as academic credit.

Admittance to a four-year college music program is highly competitive and requires an audition. It is recommended that students contact their intended transfer institution during their first year to schedule an audition time.

SAMPLE CURRICULUM FOR MUSIC**First Year, Fall Semester**

ENG 131, MTH 131 or MTH 140*, MACRAO Science course, MUS 103***, MUS 151**, MUS 167****, MUS 129, or 181, MUS 190

First Year, Winter Semester

ENG 132, MACRAO Science course, MUS 152**, MUS 168****, MUS 129, or MUS 181, MUS 190

Second Year, Fall Semester

MUS 130, MACRAO Social Science courses, Non-music MACRAO Humanities course, MUS 267****, MUS 129, or MUS 181, MUS 190

Second Year, Winter Semester

MUS 131, MACRAO Social Science course(s), MUS 268****, MUS 129, or MUS 181, MUS 190

**Check mathematics requirements of transfer institution.*

***May need to take test at transfer institution to receive credit.*

****Semesters required depend on amount of prior piano study.*

*****Vocalists can take MUS 123/124 instead.*

THEATRE

Theatre students have access to a world-class performing arts complex and learn from professionally experienced faculty. Program emphasis is on practical experience with requirements in studio and classroom work.

Career positions can include working as an actor, director, stage manager, set designer or in other theatre-related occupations.

SAMPLE CURRICULUM FOR THEATRE**First Year, Fall Semester**

ENG 131, MTH 131 or MTH 140*, THR 145, MACRAO Science course

First Year, Winter Semester

ENG 132, PSY 140, THR 146, MACRAO Science course

Second Year, Fall Semester

THR 116, MACRAO Social Science and Humanities courses

Second Year, Winter Semester

MACRAO Social Science and Humanities courses, Electives

**Check mathematics requirements of transfer institution.*

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