GRCC Curriculum/Program Connector

Connecting Michigan Career Pathways with GRCC Curriculum and Program Offerings
Introduction

The U.S. Labor Department’s Standard Occupation Classification Manual (SOC) lists 840 different occupations. Many of the roughly 150 million workers are, reportedly, working in one or more of them. Most of today’s current full-time students will, more than likely, eventually join the millions of Americans already participating in the U.S. workforce.

One way to understand the many types of occupations available is to look at them through occupational clustering. Occupational clusters place groups of workers with similar characteristics into various broad categories. The occupational cluster system you will be introduced to is called Michigan Career Pathways.

Grand Rapids Community College offers an array of different educational and training opportunities aimed at meeting the various needs of a diverse student body and community. The information in this section is an attempt to connect curriculum and job training programs to related career pathways as well as other important and supportive information.

We firmly believe that a college major, program of study, or course selection based on one’s unique life direction is critical for success. Appropriate life-direction based decisions can inspire one with the commitment and follow-through that can better assure the choice(s) made will result in completion, graduation, and eventually success in life.

Identifying career pathways most complementary to you is an important beginning step in life-direction based decisions.

What Are Career Pathways?

Career Pathways are broad categories or “clusters” that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. Career Pathways provide a useful framework to aid students, parents, and educators in making meaningful connections to the World-of-Work. The six identified Career Pathways in Michigan are:

- **Arts and Communications**
  Humanities; the performing, visual, literary and media arts.

- **Business, Management, Marketing and Technology**
  All business and marketing.

- **Engineering/Manufacturing and Industrial Technology**
  Technologies necessary to design, develop, install or maintain physical systems.

- **Health Sciences**
  Promotion of health as well as the treatment of injuries and disease.

- **Human Services**
  Helping people improve their life physically, socially or emotionally.

- **Natural Resources and Agriscience**
  Natural resources, agriculture and the environment.

One of our goals is to help you, through the use of Career Pathways, develop an awareness or “sense” of what GRCC curriculum or program would be best for you at this point in your life.

Some key definitions under each pathway cluster:
- **Certificate: Non-Credit**—Usually requires 1 year or less of education/training
- **Certificate: Credit**—Usually requires at least 1 year of education or training
- **Associate Degree: Credit**—Usually requires at least 2 years of education/training
- **Bachelor Degree: Credit/Transfer**—Usually requires 4 years or more of education/training
- **Personal Interest: Non-Credit**—Does not lead to a certificate or degree

SPECIAL NOTE:
For information about any curriculum or program cited in this booklet, visit:
- [www.grcc.edu/jobtraining](http://www.grcc.edu/jobtraining) for GRCC Job Training Programs
- [www.grcc.edu/degrees](http://www.grcc.edu/degrees) for GRCC Certificate and Degree Programs
- [www.grcc.edu/transferguide](http://www.grcc.edu/transferguide) for Transfer Programs
ARTS AND COMMUNICATIONS

Humanities; the performing, visual, literary and media arts.

IF YOUR STRONGEST PATHWAY CLUSTER IS **A**, THEN MAYBE ONE OF THE FOLLOWING *GRCC CURRICULA OR PROGRAMS* WOULD BE APPROPRIATE FOR YOU.

**CERTIFICATE** (CREDIT: Approximately 1 year)
WEB DESIGN/DEVELOPMENT, CERTIFICATE – 162

**ASSOCIATE DEGREE** (CREDIT: Usually 2 years)
ART & DESIGN – 201
DIGITAL PREPRESS – 145
FASHION MERCHANDISING – 121
INTERIOR DECORATING & DESIGN – 122
MULTI-MEDIA COMMUNICATION TECHNOLOGIES – 145
MUSIC MERCHANDISING – 211
RECORDING TECHNOLOGY – 212
PHOTOGRAPHY – 250
WEB DESIGN/DEVELOPMENT – 160

**BACHELOR DEGREE** (CREDIT/TRANSFER: 4 years or more)
ARCHITECTURE – 901
ART AND DESIGN – 251
ENGLISH – 401
FOREIGN LANGUAGE – 202
MUSIC EDUCATION CHORAL – 207
MUSIC EDUCATION INSTRUMENTAL – 206
MUSIC PERFORMANCE INSTRUMENTAL – 208
MUSIC PERFORMANCE PIANO/ORGAN – 210
MUSIC PERF VOICE – 209
PHOTOGRAPHY, TRF – 927
SPEECH – 404
THEATRE – 430
B BUSINESS, MANAGEMENT, MARKETING, AND TECHNOLOGY

All business and marketing.

IF YOUR STRONGEST PATHWAY CLUSTER IS B, THEN MAYBE ONE OF THE FOLLOWING GRCC CURRICULA OR PROGRAMS WOULD BE APPROPRIATE FOR YOU.

CERTIFICATE (NON-CREDIT: 1 year or less)
COMPUTER APPLICATION SPECIALIST
COMPUTER SUPPORT TECHNICIAN

CERTIFICATE (CREDIT: Approximately 1 year)
BAKING & PASTRY, CERTIFICATE – 156
COMPUTER APPLICATIONS, CERTIFICATE – 108
DIGITAL PREPRESS, CERTIFICATE – 142
ENTREPRENEURIAL, CERTIFICATE – 170
MARKETING, CERTIFICATE – 116
PERSONAL/PRIVATE CHEF BUSINESS – 158
UNIX SYSTEM ADMINISTRATION, CERTIFICATE – 143
WEB DESIGN/DEVELOPMENT, CERTIFICATE – 162
WEB TECHNICAL SUPPORT, CERTIFICATE – 163

ASSOCIATE DEGREE (CREDIT: Usually 2 years)
ACCOUNTING – 128
BUSINESS ADMINISTRATION – 102
COMPUTER APPLICATIONS TECHNOLOGY – 109
COMPUTER PROGRAMMING – 149
CULINARY MANAGEMENT – 155
DIGITAL GRAPHICS COMMUNICATIONS – 144
DIGITAL PREPRESS – 145
JOURNALISM – 402
LANDSCAPE MANAGEMENT – 652
MANAGEMENT & SUPERVISION – 127
MARKETING – 125
MULTIMEDIA COMMUNICATION TECHNOLOGIES – 145
NETWORKING – 147
OFFICE ADMINISTRATION – 112
WEB DESIGN/DEVELOPMENT – 160
WEB TECHNICAL SUPPORT – 161

BACHELOR DEGREE (CREDIT/TRANSFER: 4 years or more)
BUSINESS ADMINISTRATION – 101
COMPUTER SCIENCE – 712
KETTERING UNIVERSITY MANAGEMENT – 781
MUSIC MERCHANDISING – 211
ENGINEERING/MANUFACTURING AND TECHNOLOGY

Technologies necessary to design, develop, install or maintain physical systems.

IF YOUR STRONGEST PATHWAY CLUSTER IS E, THEN MAYBE ONE OF THE FOLLOWING GRCC CURRICULA OR PROGRAMS WOULD BE APPROPRIATE FOR YOU.

CERTIFICATE (NON-CREDIT: 1 year or less)
AUTOMOTIVE TECHNICIAN
DECONSTRUCTION
GREEN CONSTRUCTION REMODELING
INTRODUCTION TO CONSTRUCTION
RESIDENTIAL CONSTRUCTION
MACHINIST/CNC TECHNICIAN
WELDING/FABRICATION TECHNICIAN

CERTIFICATE (CREDIT: Approximately 1 year)
AIR CONDITIONING, REFRIGERATION & HEATING, CERTIFICATE – 924
AUTOMOTIVE SERVICING, CERTIFICATE – 921
MECHANICAL DESIGN, CERTIFICATE – 928
COMPUTER APPLICATIONS, CERTIFICATE – 108
ELECTRONICS SERVICING, CERTIFICATE – 926
INDUSTRIAL MAINTENANCE TECHNOLOGY, CERTIFICATE – 918
INDUSTRIAL TECHNOLOGY, CERTIFICATE – 919
PLASTICS MANUFACTURING TECHNOLOGY, CERTIFICATE – 945
QUALITY SCIENCE, CERTIFICATE – 940
TOOLING & MANUFACTURING, CERTIFICATE – 920
WELDING, CERTIFICATE – 931

ASSOCIATE DEGREE (CREDIT: Usually 2 years)
AIR CONDITIONING, REFRIGERATION & HEATING TECHNOLOGY – 912
ARCHITECTURAL DESIGN – 905
ARCHITECTURAL DRAFTING TECHNOLOGY – 925
AUTOMOTIVE TECHNOLOGY – 922
MECHANICAL DESIGN – 904
ELECTRONICS TECHNOLOGY – 906
INDUSTRIAL MAINTENANCE TECHNOLOGY – 985
PLASTICS MANUFACTURING TECHNOLOGY – 935
QUALITY SCIENCE – 939
TOOLING & MANUFACTURING, TECHNOLOGY – 908
WELDING TECHNOLOGY – 932

BACHELOR DEGREE (CREDIT/TRANSFER: 4 years or more)
ENGINEERING – 702
ENGINEERING TECHNOLOGY, WMU – 799
KETTERING UNIVERSITY-ENGINEERING – 780
MATHEMATICS – 704
MANUFACTURING ENGINEERING TECHNOLOGY – 797
PLASTICS ENGINEERING TECHNOLOGY, FSU – 798
HEALTH SCIENCES

Promotion of health as well as the treatment of injuries and disease.

IF YOUR STRONGEST PATHWAY CLUSTER IS H, THEN MAYBE ONE OF THE FOLLOWING **GRCC CURRICULA OR PROGRAMS** WOULD BE APPROPRIATE FOR YOU.

**CERTIFICATE (NON-CREDIT: 1 year or less)**
MEDICAL ASSISTANT

**CERTIFICATE (CREDIT: Approximately 1 year)**
DENTAL ASSISTING, CERTIFICATE – 322
PRACTICAL NURSING, CERTIFICATE – 323

**ASSOCIATE DEGREE (CREDIT: Usually 2 years)**
ADVANCED STANDING NURSING (W/PN) – 329
ASSOCIATE DEGREE NURSING (RN) – 321
DENTAL ASSISTING – 322
DENTAL HYGIENE – 324
OCCUPATIONAL THERAPY ASSISTANT – 328
RADIOLOGICAL TECHNOLOGY – 325
SURGICAL TECHNOLOGY – 380

**BACHELOR DEGREE (CREDIT/TRANSFER: 4 years or more)**
MEDICAL TECHNOLOGY – 507
MORTUARY SCIENCE – 509
NURSING (PRE BSN) – 511
OCCUPATIONAL THERAPY – 513
PHARMACY – 512
PHYSICAL THERAPY – 514
PRE-DENTISTRY – 515
PRE-MEDICINE – 516
PRE-OPTOMETRY – 521
PRE-VETERINARY MEDICINE – 518
NATURAL RESOURCES AND AGRISCIENCE

Natural resources, agriculture and the environment.

IF YOUR STRONGEST PATHWAY CLUSTER IS N, THEN MAYBE ONE OF THE FOLLOWING GRCC CURRICULA OR PROGRAMS WOULD BE APPROPRIATE FOR YOU.

CERTIFICATE (NON-CREDIT: 1 year or less)
- COMPOSITE TECHNICIAN
- SOLAR PANEL INSTALLER
- WIND TURBINE SAFETY TECHNICIAN

ASSOCIATE DEGREE (CREDIT: Usually 2 years)
- CHEMICAL TECHNOLOGY – 651
- WATER PURIFICATION TECHNOLOGY – 650

BACHELOR DEGREE (CREDIT/TRANSFER: 4 years or more)
- BIOLOGY – 501
- CHEMISTRY – 701
- CROP/SOIL SCIENCE – 520
- ENVIRONMENTAL SCIENCE – 519
- FORESTRY – 503
- GEOLOGY – 710
- NATURAL RESOURCES – 510
- OCEANOGRAPHY – 711
- PHYSICS – 705
- WATER PURIFICATION TECHNOLOGY – 650
HUMAN SERVICES

Helping people improve their life physically, socially or emotionally.

IF YOUR STRONGEST PATHWAY CLUSTER IS S, THEN MAYBE ONE OF THE FOLLOWING GRCC CURRICULA OR PROGRAMS WOULD BE APPROPRIATE FOR YOU.

CERTIFICATE (CREDIT: Approximately 1 year)
ADDICTION STUDIES – 154
GERONTOLOGY, CERTIFICATE – 817

ASSOCIATE DEGREE (CREDIT: Usually 2 years)
CHILD DEVELOPMENT – 120
CORRECTIONS – 152
CULINARY ARTS – 151
CULINARY MANAGEMENT – 155
JUVENILE SERVICES – 153
LANDSCAPE AND LAWN MANAGEMENT – 652
LAW ENFORCEMENT – 808
OCCUPATIONAL EDUCATION/UNDECIDED – 008
PARAPROFESSIONAL, EDUCATION – 420

BACHELOR DEGREE (CREDIT/TRANSFER: 4 years or more)
CRIMINAL JUSTICE – 807
ECONOMICS – 802
PRE-ELEMENTARY EDUCATION – 804
HISTORY – 805
LIBRARY SCIENCE – 403
PHYSICAL EDUCATION – 602
POLITICAL SCIENCE – 810
PRE-LAW – 811
PSYCHOLOGY – 812
PRE-SECONDARY EDUCATION – 803
SOCIOLOGY – 814
SOCIAL WORK – 813