

# DRAFTING TECHNOLOGY

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## DIPLOMA AND ASSOCIATE DEGREE PROGRAMS

Drafting is a basic form of technical communications in manufacturing, architecture, and construction. Drafting is graphical communications. As such, the fundamental skill for drafters is spatial visualization – the ability to visualize and manipulate objects mentally. Drafters should also have a good foundation in mathematics, be able to tolerate extended periods of detail work, and have a concern for quality, accuracy, and appearance. All students complete general and drafting core courses and select a specialization – architectural drafting or mechanical drafting.

## CAREER OPPORTUNITIES

The Drafting program provides learning opportunities that develop the knowledge, skills, and attitudes required for job acquisition, retention, and advancement in the drafting field. The program also provides opportunities to upgrade present knowledge and skills or to retrain in drafting. Some students use the program to prepare for employment in building construction, interior design drafting, construction estimating or supervision, and various other fields. Other students use the program as a step to a bachelor's degree in architecture or engineering.

## PROGRAM EXPENSES

The recent reauthorization of the Higher Education Act requires all colleges and universities to notify students and prospective students of all program costs for which they will be responsible. Students will be responsible for the following expenses:

- Quarterly tuition (\$45 per credit hour)
- Quarterly student activity fees (\$16)
- Quarterly registration fee (\$26)
- Quarterly accident insurance fee (\$4)
- Quarterly instructional and technology supply fee (\$35)
- Textbooks (Approximately \$2,000 for the associate degree program and \$1,000 for the diploma program)

The expenses are based on costs in effect at the time this catalog was published. Prices are subject to change.

## ADMISSION REQUIREMENTS

Applicants must submit the following information to the Admissions Office:

- a. Completed and signed application for admission and a \$20 nonrefundable application fee;
- b. Official high school or GED transcripts and/or official college transcripts from all colleges attended in the past (see *General Admission Requirements*); and
- c. Valid COMPASS, ASSET, SAT, or ACT test scores (see *ASSET and COMPASS Placement Tests*).

## DRAFTING TECHNOLOGY CURRICULUM OUTLINE

*Diploma Program (Major Code: DR02)*

*Credit Required for Graduation: 77 quarter credit hours*

			<b>Credits</b>
<b>General Core</b>			<b>18</b>
EMP	1000	Interpersonal Relations and Professional Development	3
ENG	1010	Fundamentals of English I	5
MAT	1013	Algebraic Concepts	5
MAT	1015	Geometry and Trigonometry	5
<b>Technical Core</b>			<b>32</b>
DDF	100	Drafting Fundamentals	6
	OR		6
DDF	101	Introduction to Drafting	5
DDF	102	Size and Shape Description I	5
DDF	107	CAD Fundamentals	6
DDF	111	Intermediate CAD	6
DDF	112	3-D Drawing and Modeling	6
SCT	100	Introduction to Microcomputers	3

## Specialization Options (Choose One)

<b>Architectural Drafting Specialization</b>			<b>27</b>
DDS	203	Surveying I	
	OR		3
DDS	204	Estimating	
DDS	205	Residential Architectural Drawing I	6
DDS	207	Mechanical Systems for Architecture	3
DDS	208	Residential Architectural Drawing II	6
		Electives	9

OR

<b>Mechanical Drafting Specialization</b>			<b>27</b>
DDF	103	Size and Shape Description II	5
DDF	105	Auxiliary Views	3
DDF	106	Fasteners	6
DDF	108	Intersections and Development	5
DDF	109	Assembly Drawings I	5
		Electives	3

### DRAFTING TECHNOLOGY CURRICULUM OUTLINE

*Associate Degree Program (Major Code: DR03)*

*Credit Required for Graduation: 96 quarter credit hours*

			<b>Credits</b>
<b>General Education</b>			<b>35</b>
ECO	2105	Principles of Macroeconomics	
	OR		
ECO	2106	Principles of Microeconomics	
	OR		5
PSY	1101	Introduction to Psychology	
	OR		
SOC	1101	Introduction to Sociology	
ENG	1101	Composition and Rhetoric	5
ENG	1102	Literature and Composition	
	OR		5
HUM	1101	Introduction to Humanities	
ENG	1105	Technical Communications	
	OR		5
SPC	1101	Public Speaking	
MAT	1111	College Algebra	5
MAT	1112	College Trigonometry	
	OR		5
MAT	1113	Pre-Calculus	
PHY	1110	Introductory Physics	5
<b>Technical Core</b>			<b>32</b>
DDF	100	Drafting Fundamentals	
	OR		6
DDF	101	Introduction to Drafting	
DDF	102	Size and Shape Description I	5
DDF	107	CAD Fundamentals	6
DDF	111	Intermediate CAD	6
DDF	112	3-D Drawing and Modeling	6
SCT	100	Introduction to Microcomputers	3

## Specialization Options (Choose One)

<b>Architectural Drafting Specialization</b>			<b>29</b>
DDS	203	Surveying I	
		OR	3
DDS	204	Estimating	
DDS	205	Residential Architectural Drawing I	6
DDS	207	Mechanical Systems for Architecture	3
DDS	208	Residential Architectural Drawing II	6
		Electives	11

OR

<b>Mechanical Drafting Specialization</b>			<b>29</b>
DDF	103	Size and Shape Description II	5
DDF	105	Auxiliary Views	3
DDF	106	Fasteners	6
DDF	108	Intersections and Development	5
DDF	109	Assembly Drawings I	5
		Electives	

## LANDSCAPE DRAFTSMAN

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### TECHNICAL CERTIFICATE

The technical certificate of credit in Landscape Draftsman introduces students to landscape and the environment, as well as to computer graphics technology. Topics include understanding and interpreting the environment, social aspects of space, ethics of designing the land, perceiving and interpreting the landscape, built and natural landscapes, landscape in art, maps and topography, and digital data for presentations. Graduates of this program will have the skills and training required to provide support and assistance to landscape architects.

### CAREER OPPORTUNITIES

Graduates are eligible for employment in landscaping and exterior maintenance. Positions include landscape draftsmen, landscape foremen, landscape supervisors, and assistants to landscape architects. Graduates would also qualify for employment in the fields of zoning, building inspection, and urban and regional planning.

### PROGRAM EXPENSES

The recent reauthorization of the Higher Education Act requires all colleges and universities to notify students

and prospective students of all program costs for which they will be responsible. Students will be responsible for the following expenses:

- Quarterly tuition (\$45 per credit hour)
- Quarterly student activity fees (\$16)
- Quarterly registration fee (\$26)
- Quarterly accident insurance fee (\$4)
- Quarterly instructional and technology supply fee (\$35)
- Since this is a new program, the costs associated with program supply fees and textbooks have not been determined.

The expenses are based on costs in effect at the time this catalog was published. Prices are subject to change.

### ADMISSION REQUIREMENTS

Applicants must submit the following information to the Admissions Office:

- a. Completed and signed application for admission and a \$20 nonrefundable application fee;
- b. Official high school or GED transcripts and/or official college transcripts from all colleges attended in the past; and
- c. Valid COMPASS, ASSET, SAT, or ACT test scores.

**LANDSCAPE DRAFTSMAN CURRICULUM OUTLINE**  
*Technical Certificate of Credit (Major Code: XXX)*  
*Credit Required for Completion: 59 quarter credit hours*

			<b>Credits</b>
<b>General Education</b>			<b>30</b>
BIO	1111	Biology I	5
ENG	1101	Composition and Rhetoric	5
ENG	1102	Literature and Composition	
		OR	
ART	1101	Art Appreciation	5
		OR	
HIS	2112	U.S. History II	
GGY	1113	Introduction to Landforms	5
MAT	1101	Mathematical Modeling	
		OR	
MAT	1113	Pre-calculus	5
		OR	
MAT	1127	Introduction to Statistics	
SOC	1101	Introduction to Sociology	
		OR	
SPC	1101	Public Speaking	5
		OR	
POL	1101	American Government	
 <b>Professional Major</b>			 <b>29</b>
DDF	100	Drafting Fundamentals	6
DDF	107	CAD Fundamentals	6
DDF	111	Intermediate CAD	6
TDG	1500	Design and the Environment	5
TDG	1600	Reading the Landscape	3
TDG	2250	Portfolio Development	3

**ART**

*Department Code: ART*

**ART 1101**

**Art Appreciation (5-0-5)**

*Banner Title: Art Appreciation*

This course explores human creativity through the study of the visual arts (architecture, sculpture, and painting) within a cultural and historical context. The course provides a foundation for art appreciation by introducing students to the aesthetic, critical, and technical aspects of the major art forms and media. The course increases students' perceptual awareness and responsiveness to art through discussion, critical writing, special projects, and/or in-class experiments with various media.

*Prerequisite: Degree program admission-level language competency*

*Offered quarterly*

**BIOLOGY**

*Department Code: BIO*

**BIO 1111**

**Biology I (4-3-5)**

*Banner Title: Biology I*

Biology I is the first part of a 10-hour sequence. It covers cell structure, basic chemistry as applied to biological processes, cellular respiration, photosynthesis, genetics, natural selection, and ecology. Students must pay a \$20 supply fee when registering for this course.

*Prerequisite: Program admission*

*Offered quarterly*

**DRAFTING GRAPHICS**

*Department Code: DDF*

**DDF 100**

**Drafting Fundamentals (4-4-6)**

*Banner Title: Drafting Fundamentals*

Students learn the concepts and operations necessary to utilize microcomputers

for developing fundamental drafting techniques. Instructors emphasize the basic concepts, terminology, and techniques necessary for CAD applications. Topics include safety practices, geometric terms, drawing media, hardware and software use, basic entities, CAD commands and applications, line relations, and geometric construction. Beginning students choose between DDF 100, a CAD-based course, and DDF 101, a board-based course, depending on their individual needs.

*Prerequisite: Provisional admission*

*Offered quarterly*

**DDF 101**

**Introduction to Drafting (2-8-6)**

*Banner Title: Intro to Drafting*

This introductory drafting course emphasizes the developmental drafting techniques. Topics include terminology, drafting equipment, equipment care and use, lettering, line relationships, and geometric construction. Beginning students choose between DDF 100, a CAD-based course, and DDF

101, a board-based course, depending on their individual needs.

*Prerequisite: Provisional admission, permission of department*  
*Offered quarterly*

**DDF 102**  
**Size and Shape Description I (1-9-5)**

*Banner Title: Size and Shape Description I*

Students learn multi-view and dimensioning techniques needed to develop views that describe machine parts for manufacturing. Topics include tolerances and fits, sketching, and precision measurement.

*Prerequisite: DDF 100 or DDF 101*  
*Offered quarterly*

**DDF 103**  
**Size and Shape Description II (1-9-5)**

*Banner Title: Size and Shape Description II*

Students continue to develop their dimensioning skills. Topics include advanced dimensioning practices and section views.

*Prerequisite: DDF 102*  
*Offered quarterly*

**DDF 105**  
**Auxiliary Views (1-4-3)**

*Banner Title: Auxiliary Views*

Instructors introduce techniques necessary for auxiliary view drawings. Topics include primary and secondary auxiliary views.

*Prerequisite: DDF 103*  
*Offered quarterly*

**DDF 106**  
**Fasteners (3-6-6)**

*Banner Title: Fasteners*

Students obtain the knowledge and skills they need to draw and specify fasteners. Topics include technical reference sources utilization, types of threads, representation of threads, specifying threads, fasteners, and welding symbols.

*Prerequisite/Corequisite: DDF 105*  
*Offered quarterly*

**DDF 107**  
**CAD Fundamentals (2-8-6)**

*Banner Title: CAD Fundamentals*

Students complete a detailed study of the skills and techniques of using CAD software to create and edit two-dimensional drawings. Topics include file management; drawing format set-up; construction of objects using draw, edit, insert, and view commands and drawing aids; annotation of drawings using text commands; dimensioning of objects; and plotting objects.

*Prerequisite/Corequisite: DDF 100 or DDF 101 or INT 116*  
*Offered quarterly*

**DDF 108**  
**Intersections and Development (1-9-5)**

*Banner Title: Intersections and Development*

This course introduces graphic descriptions of objects represented by the intersection of geometric components. Topics include surface development; establishment of true length; and intersections of lines, planes, prisms, pyramids, curved surfaces, cylinders, and cones.

*Prerequisite: DDF 102*  
*Prerequisites/Corequisites: DDF 103, MAT 1015*  
*Offered quarterly*

**DDF 109**  
**Assembly Drawings I (1-9-5)**

*Banner Title: Assembly Drawings I*

This course provides the knowledge and skills students need to make working drawings. Students use technical reference sources, drafting boards, and/or CAD equipment to complete detail drawings, orthographic assembly drawings, and pictorial assembly drawings.

*Prerequisite: DDF 108*  
*Offered quarterly*

**DDF 111**  
**Intermediate CAD (2-8-6)**

*Banner Title: Intermediate CAD*

Students develop their CAD utilization skills in discipline-specific applications. Topics include intermediate CAD commands, entity management, advanced line construction, block construction and management, command reference customization, advanced entity manipulation, and system variables.

*Prerequisite: DDF 107*  
*Offered quarterly*

**DDF 112**  
**3-D Drawing and Modeling (2-8-6)**

*Banner Title: 3-D Drawing/Modeling*

Students develop CAD utilization skills in discipline-specific applications. Topics include advanced CAD commands and applications, macro utilization, 3-D modeling, rendering, advance application utilization, and pictorial drawings.

*Prerequisite: DDF 111*  
*Offered quarterly*

**ADVANCED DRAFTING AND DESIGN**

*Department Code: DDS*

**DDS 203**  
**Surveying I (1-4-3)**

*Banner Title: Surveying I*

Program instructors introduce students to fundamental plane surveying concepts,

instruments, and techniques. Topics include linear measurement; angles, bearings, and directions; and the use of transits, levels, and other instruments.

*Prerequisites: DDF 107, ENG 1010, MAT 1015*

*Offered Spring term*

**DDS 204**  
**Estimating (2-3-3)**

*Banner Title: Estimating*

Students focus on construction cost estimating to meet quality and profit objectives for both the contractor and owner. Topics include the interpretation of working drawings, specifications, and building codes; quantity take-off; and direct and overhead costs associated with material, labor, and equipment. Students should be able to prepare detailed cost estimates and bid documents for construction projects.

*Prerequisites: ENG 1010, MAT 1013*  
*Offered Fall term*

**DDS 205**  
**Residential Architectural Drawing I (2-8-6)**

*Banner Title: Residential Architectural Drawing I*

This introductory course covers the architectural drawing skills students need to produce a complete set of construction drawings. Topics include floor, footing, and foundation plans; interior and exterior elevations; sections and details; window, door, and finish schedules; site plans; and specifications.

*Prerequisite: DDF 100 or DDF 107*  
*Offered quarterly*

**DDS 207**  
**Mechanical Systems for Architecture (1-4-3)**

*Banner Title: Mechanical Systems/Architect*

Students obtain the technical knowledge and skills needed to develop accurate mechanical and electrical plans. Topics include heating, ventilation, and air conditioning calculations and plans; electrical calculations and plans; and plumbing calculations and plans.

*Prerequisite/Corequisite: DDS 205*  
*Offered quarterly*

**DDS 208**  
**Residential Architectural Drawing II (2-8-6)**

*Banner Title: Residential Architectural Drawing II*

Students continue in-depth architectural drawing practices and develop architectural design skills. They design residential architectural plans to meet applicable codes. Topics include footing, foundation, and floor plans; interior and exterior

elevations; sections and details; window, door, and finish schedules; site plans; specifications; and mechanical and electrical systems.

*Prerequisite/Corequisite: DDS 205*  
*Offered quarterly*

## ECONOMICS

*Department Code: ECO*

### ECO 2105

#### Principles of

#### Macroeconomics

**(5-0-5)**

*Banner Title: Macroeconomics*

This course provides a description and analysis of macroeconomic operations in contemporary society. Students develop an understanding of macroeconomic concepts, theories, and policies. Topics include basic economic principles; macroeconomic principles, theories, and policies; money and banking; and the United States economy in perspective.

*Prerequisites: ENG 099 with a grade of C\* or better or placement by diagnostic testing, MAT 097 with a grade of C\* or better and MAT 099 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

### ECO 2106

#### Principles of

#### Microeconomics

**(5-0-5)**

*Banner Title: Microeconomics*

This course provides a description and analysis of microeconomic operations in contemporary society. Students develop an understanding of microeconomic concepts and theories as they apply to daily life. Topics include basic economic principles; theories of the corporate firm; the market system; market structures, pricing, and government regulations; resource markets; and international trade.

*Prerequisites: ENG 099 with a grade of C\* or better or placement by diagnostic testing, MAT 097 with a grade of C\* or better and MAT 099 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

## EMPLOYABILITY SKILLS

*Department Code: EMP*

### EMP 1000

#### Interpersonal Relations and

#### Professional Development

**(3-0-3)**

*Banner Title: Interpersonal Relations*

Students study human relations and professional development in today's changing world in order to prepare themselves for living and working in a complex soci-

ety. Topics include human relations skills, job acquisition skills and communications, job retention skills, job advancement skills, and professional image skills.

*Prerequisite: Provisional admission*  
*Offered quarterly*

## ENGLISH

*Department Code: ENG*

### ENG 1010

#### Fundamentals of English I

**(5-0-5)**

*Banner Title: Fundamentals of English I*

This course emphasizes the development and improvement of written and oral communication abilities. Topics include analysis of writing techniques, applied grammar and writing skills, editing and proofreading skills, research skills, and oral presentation skills.

*Prerequisites: ENG 097 with a grade of C\* or better and RDG 097 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

### ENG 1101

#### Composition and Rhetoric

**(5-0-5)**

*Banner Title: Composition and Rhetoric*

Students practice various modes of writing ranging from exposition to argumentation and persuasion. The course also explores the analysis of literature and articles about issues in the humanities and in society. The course includes a review of standard grammatical and stylistic usage in proofreading and editing. An introduction to library resources lays the foundation for research. Topics covered in the course include writing analysis and practice, revision, and research. Students write a research paper using library resources and using a formatting and documentation style appropriate to the purpose and audience.

*Prerequisites: ENG 099 with a grade of C\* or better and RDG 098 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

### ENG 1102

#### Literature and Composition

**(5-0-5)**

*Banner Title: Literature and Composition*

This course emphasizes the ability of students to read literature analytically and meaningfully and to communicate clearly. Students analyze the form and content of literature in historical and philosophical contexts. Topics include reading and analysis of fiction, poetry, and drama; research, and writing about literature.

*Prerequisite: ENG 1101 with a grade of C or better*

*Offered quarterly*

### ENG 1105

#### Technical Communications

**(5-0-5)**

*Banner Title: Technical Communications*

This course emphasizes practical knowledge of technical communications techniques, procedures, and reporting formats used in industry and business. Topics include reference use and research, device and process description, formal technical report writing, business correspondence, and oral technical report presentation.

*Prerequisite: ENG 1101 with a grade of C or better*

*Offered quarterly*

## GEOGRAPHY

*Department Code: GGY*

### GGY 1113

#### Introduction to Landforms

**(4-3-5)**

*Banner Title: Intro to Landforms*

This course focuses on the analysis and classification of major types of land surfaces. It stresses geographic characteristics. Topics include the interpretation of relationships between landforms and other phenomena through maps, air photos, and field observations. There is world coverage with emphasis on North America.

*Prerequisite: Program admission*

## HISTORY

*Department Code: HIS*

### HIS 2112

#### U.S. History II

**(5-0-5)**

*Banner Title: U.S. History II*

The course provides students with an overview of the social, cultural, and political history of the United States from 1865 to the beginning of the twenty-first century and will equip the student to better understand the problems and challenges of the contemporary world in relation to events and trends in modern American history. Topics include the Reconstruction Period; the great West, the new South, and the rise of the debtor; the Gilded Age; the progressive movement; the emergency of the United States in world affairs; the Roaring Twenties; the Great Depression; World War II; the Cold War and the 1950s; the 1960s and 1970s; and America since 1980.

*Prerequisite: Program admission*

*Offered on an as-needed basis*

## HUMANITIES

Department Code: HUM

### HUM 1101

#### Introduction to Humanities (5-0-5)

*Banner Title: Introduction to Humanities*

This course explores the philosophic and artistic heritage of humanity expressed through a historical perspective on visual arts, music, and literature. Instructors present the humanities as a source of subjective insights for the understanding of people and society. Topics include historical and cultural developments and contributions of the humanities. Students will complete a research project as part of this course.

*Prerequisite: ENG 1101 with a grade of C or better*

*Offered Fall, Winter, and Spring terms*

## MATHEMATICS

Department Code: MAT

### MAT 1013

#### Algebraic Concepts (5-0-5)

*Banner Title: Algebraic Concepts*

Instructors introduce concepts and operations which can be applied to the study of algebra. Course content emphasizes basic mathematical concepts and both basic and intermediate algebraic concepts. Class includes lecture, applications, and homework to reinforce learning.

*Prerequisite: MAT 098 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

### MAT 1015

#### Geometry and Trigonometry (5-0-5)

*Banner Title: Geometry and Trigonometry*

This course introduces basic geometric and trigonometric concepts. The course content emphasizes geometric and trigonometric concepts.

*Prerequisite: MAT 1013 with a grade of C or better*

*Offered Winter term*

### MAT 1101

#### Mathematical Modeling (5-0-5)

*Banner Title: Mathematical Modeling*

This course is an alternative to College Algebra for those who will not take trigonometry, pre-calculus, or calculus. It is an applications-driven course that introduces functions using real-world phenomena as models. Topics include fundamental algebra concepts; functions and graphs; linear, quadratic, polynomial, exponential, and

logarithmic functions and models of real-world phenomena; systems of equations; and additional topics in algebra.

*Prerequisite: MAT 097 with a grade of C\* or better and/or MAT 099 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

### MAT 1111

#### College Algebra (5-0-5)

*Banner Title: College Algebra*

This course emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, systems of equations, analytic geometry, and optional topics, including sequences, series, and probability.

*Prerequisite: MAT 097 with a grade of C\* or better and/or MAT 099 with a grade of C\* or better or placement by diagnostic testing*

*Offered Quarterly*

### MAT 1112

#### College Trigonometry (5-0-5)

*Banner Title: College Trigonometry*

This course emphasizes techniques of problem solving using trigonometric concepts. Topics include trigonometric functions and properties of trigonometric functions, vectors and triangles, inverse of trigonometric functions and graphing, logarithmic and exponential functions, and complex numbers.

*Prerequisite: MAT 1111 with a grade of C or better*

*Offered Summer term*

### MAT 1113

#### Pre-Calculus (5-0-5)

*Banner Title: Pre-Calculus*

This course prepares students for calculus. Topics include an intensive study of polynomial, rational, exponential, logarithmic, and trigonometric functions, and their graphs. Applications include simple maximum and minimum problems and exponential growth and decay.

*Prerequisites: MAT 1111 with a grade of C or better*

*Offered Fall, Winter, and Spring terms*

### MAT 1127

#### Introduction to Statistics (5-0-5)

*Banner Title: Introduction to Statistics*

This course discusses the concepts and methods fundamental to utilizing and interpreting commonly used statistics. Topics include descriptive statistics, basic probability, discrete and continuous distributions, sampling distributions,

hypothesis testing, chi square tests, and linear regression.

*Prerequisite: MAT 097 with a grade of C\* or better and/or MAT 099 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

## PHYSICS

Department Code: PHY

### PHY 1110

#### Introductory Physics (4-3-5)

*Banner Title: Introductory Physics*

This course introduces students to the basic laws of physics. Topics include systems of units and conversion of units; vector algebra; Newtonian mechanics; fluids and thermodynamics; heat; light and optics; mechanical waves; sound; electricity and magnetism; and modern physics. Laboratory experience supports classroom learning. Computer use is an integral part of class and laboratory assignments.

*Prerequisite: MAT 1100 or MAT 1101 or MAT 1111*

*Offered Fall, Winter, and Spring terms*

## POLITICAL SCIENCE

Department Code: POL

### POL 1101

#### American Government (5-0-5)

*Banner Title: American Government*

This course is a study of government politics in the United States. The course provides an overview of the Constitutional foundations of the American political process and focuses on government institutions and political procedures. The course examines the constitutional framework, federalism, civil liberties and civil rights, public opinion, the media, special interest groups, political parties, the election process, and the three branches of government. Topics include the foundations of government, political behavior, and governing institutions.

*Prerequisite: Program admission*

*Offered quarterly*

## PSYCHOLOGY

Department Code: PSY

### PSY 1101

#### Introduction to Psychology (5-0-5)

*Banner Title: Introduction to Psychology*

This course emphasizes the basics of psychology. Topics include the science of psychology; social environments; life stages; physiology and behavior; personality;

emotions and motives; conflicts, stress, and anxiety; abnormal behavior; and perception, learning, and intelligence.

*Prerequisites: ENG 099 with a grade of C\* or better and RDG 098 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

## SCIENCE AND TECHNOLOGY

*Department Code: SCT*

### SCT 100

#### Introduction to

#### Microcomputers (1-4-3)

*Banner Title: Intro to Microcomputers*

This course introduces the fundamental concepts and operations necessary to use microcomputers. Course content emphasizes basic functions and familiarity with computer use. Topics include computer terminology and an introduction to the Windows environment, networking, word processing, spreadsheets, presentation graphics, and databases.

*Prerequisite: Provisional admission*

*Offered quarterly*

## SOCIOLOGY

*Department Code: SOC*

### SOC 1101

#### Introduction to Sociology (5-0-5)

*Banner Title: Introduction to Sociology*

This course provides students with a sociological analysis of society, its culture, and structure. Instructors present sociology as a science with emphasis placed on its methodology and theoretical foundations. Topics include basic sociological concepts, socialization, social interaction and culture, social groups and institutions, deviance and social control, social stratification, social change, and marriage and family.

*Prerequisites: ENG 099 with a grade of C\* or better and RDG 098 with a grade of C\* or better or placement by diagnostic testing*

*Offered quarterly*

## SPEECH

*Department Code: SPC*

### SPC 1101

#### Public Speaking

(5-0-5)

*Banner Title: Public Speaking*

This course introduces the fundamentals of oral communication. Topics include selection and organization of materials, preparation and delivery of individual and group presentations, and analysis of ideas presented by others, and professionalism.

*Prerequisites: ENG 099 with a grade of C\* or better and RDG 098 with a grade of C\* or better or placement by diagnostic testing*  
*Offered quarterly*

## TECHNICAL DRAFTING

*Department CODE: LAN*

### TDG 1500

#### Design and

#### the Environment

(5-0-5)

*Banner Title: Design and the Environment*

This course explores the built environment and its effects on natural systems. The focus is on the design of the built environment as an ongoing activity integrating ecological, social, and cultural values. Topics include land-use patterns and policies, development and resource management, community design issues, and strategies for improving environmental integrity and quality of life.

*Prerequisite: Program admission*

### TDG 1600

#### Reading the Landscape

(0-6-3)

*Banner Title: Reading the Landscape*

This course focuses on approaches to perceiving and interpreting the landscape. Topics include the landscape in art and literature, visual assessment techniques, use of maps, field sketching, and photography.

*Prerequisite: Program admission*

### TDG 2250

#### Portfolio Development

(0-6-3)

*Banner Title: Portfolio Development*

This course investigates graphic design principles, as well as the use of current computer applications for design communication projects and professional stationery as they apply to landscape architecture.

*Prerequisite: Program admission*