

Credit (/class/search/term\_type/Credit)

Credit Fall 2019

search words

Advanced Search (/class/search/advanced/yes/term\_type/Credit/term\_code/201908)

On March 11th, the legacy class search will no longer be available. This service will be replaced with **Course Analytics Report** ([https://cognosweb.jccc.edu/ibmcognos/bi/?pathRef=.public\\_folders%2FIPR+Reports%2FCampus+Wide%2FCourse+Analytics](https://cognosweb.jccc.edu/ibmcognos/bi/?pathRef=.public_folders%2FIPR+Reports%2FCampus+Wide%2FCourse+Analytics)).

Only employees will be able to access Course Analytics Report using their JCCC username and password similar to InfoHub. For training or questions, please contact Institutional Research ext. 3441.

## Credit Summer 2019

### Academic Achievement Center

#### AAC 100 - Study Skills

This self-instructional course is designed to improve students' ability to study efficiently. Based on the results of a study skills survey administered during the student's initial visit to the center, an individualized program is established. Using instructional material provided by the AAC, students will master a variety of concepts, including time management, goal setting, textbook reading, note taking from textbook and from lecture, stress management, test taking and using college resources. An Academic Achievement Center instructor is available to work with the student to establish specific instructional goals, administer tests, and provide individualized instruction as it is needed to complete the student's program. 20 hrs./semester

**Credit Hours:** 1

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_100](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_100))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60829 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

#### AAC 102 - Basic Spelling

This self-instructional course is for students who wish to improve their spelling ability but who have not been successful in the traditional spelling program. This course provides a highly structured approach to spelling improvement through mastery of morphographs (units of meaning) and guidelines for combining morphographs. A limited number of spelling rules are taught in the course. This course is ideal for students for whom English is a second language. An Academic Achievement Center instructor is available to work with students to establish specific goals, administer tests, and provide individualized instruction as needed to complete the students' program. 16 hrs./semester

**Credit Hours:** 3

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_102](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_102))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60830 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

#### AAC 106 - Vocabulary Development

This self-instructional course is designed for college students who wish to expand both their receptive and expressive vocabulary levels. College students are expected to be able to recognize and use vocabularies specific to specialized and changing contents, i.e., data processing, sociology and business. A vocabulary placement test will be administered to determine a starting level. Instructional material provided by the AAC includes Latin and Greek derivatives, specialized vocabulary, stated and implied meanings as well as the process of acquisition (context clues, etymology and derivatives). An Academic Achievement Center instructor is available to work with the student to establish specific instructional goals, administer tests and provide individualized instruction as needed to complete the student's program. 20 hrs./semester

**Credit Hours:** 1

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_106](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_106))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60831 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

### AAC 112 - Basic Math Review

This self-instructional course is designed for students who need to learn or review basic mathematical concepts. Based on the results of a pretest administered during the student's initial visit to the Center, an individualized program is established. While one student may begin the program with multiplication facts, another may begin with solving proportions or equations. Instructional material is provided by the AAC. An Academic Achievement Center instructor is available to work with the student to establish specific instructional goals, administer tests and to provide individualized instruction as needed to complete the student's program. 20 hrs./semester

**Credit Hours:** 1

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_112](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_112))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60833 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

### AAC 113 - Algebra Preparation

This self-instructional course is designed for students who possess basic math skills and want to learn basic concepts in algebra. Based on the results of a pretest administered during the student's initial visit to the center, an individualized program is established. Using instructional material provided by the AAC, students will master a variety of concepts, including the terminology of mathematics and algebra, simplifying open expressions, solving algebraic equations and other concepts. An Academic Achievement Center instructor will be available to work with the student to establish specific instructional goals, administer tests and provide individualized instruction as needed to complete the student's program. 20 hrs./semester

**Credit Hours:** 1

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_113](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_113))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60834 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

### AAC 120 - Individualized Study

This self-instructional course is designed for students who want to improve in any of the following AAC areas: study skills, reading comprehension, reading rate, vocabulary improvement, advanced spelling, basic math, algebra preparation or chemistry preparation. Once the area of study has been determined, a pretest will be administered by the instructor and a program of study will be developed using materials provided by the AAC. An Academic Achievement Center instructor is available to work with students to establish specific goals, administer tests, and to provide individualized instruction needed to complete the student's program. 20 hrs./semester

**Credit Hours:** 1

**Associated Costs:** \$2 to 5

Outline ([http://catalog.jccc.edu/coursedescriptions/aac/#AAC\\_120](http://catalog.jccc.edu/coursedescriptions/aac/#AAC_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60835 001 IND	-----	-	06/03/19-07/25/19	OCB 304	Merritt J Fielder R	Closed

## ACCT 111 - Small Business Accounting

This course will introduce the basic accounting procedures needed to maintain daily records for a small business and the use of such records in the decision-making process. Upon successful completion of the course, the student will be able to maintain a set of financial records with the occasional help of an outside accountant. This course does not prepare the student for Accounting II.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_111](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_111))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60177 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Farmer C	Closed

*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

## ACCT 121 - Accounting I

This course is an introduction to accounting fundamentals. Upon successful completion of this course, a student should be able to analyze transactions, use various journals and ledgers, prepare financial statements, and summarize results at the close of the fiscal period for the sole proprietorship.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_121](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60179 002 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 256	Megariss M	Closed

*KBOR Seamless Transfer*  
*SB 155 Excel in CTE*  
*Accelerating Opportunity KS*

60180 004 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	GEB 256	Marmon C	Closed
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*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*  
*KBOR Seamless Transfer*

60181 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Krug D	Closed
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*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*  
*KBOR Seamless Transfer*

60182 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Krug D	Closed
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*SB 155 Excel in CTE*  
*Accelerating Opportunity KS*  
*KBOR Seamless Transfer*

60183 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Krug D	Closed
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*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*  
*KBOR Seamless Transfer*

60185 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Spoolstra A	Closed
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*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*  
*KBOR Seamless Transfer*

60190 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Spoolstra A	Closed
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*SB 155 Excel in CTE*  
*KBOR Seamless Transfer*  
*Accelerating Opportunity KS*

60202 355 ONLNE	-----	-	06/03/19-07/25/19	Online	Fisher E	Closed
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CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						

## ACCT 122 - Accounting II

This course is a continuation of ACCT 121. Upon successful completion of this course, the student will be able to prepare and use financial statements with an increased emphasis on their interpretation, and be introduced to managerial accounting concepts. Prerequisite: ACCT 121 with a grade of "C" or higher.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_122](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60209</b> 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 353B	Gluhovsky A	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>SB 155 Excel in CTE</i>						
<b>60382</b> 002 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 353B	Gluhovsky A	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>SB 155 Excel in CTE</i>						
<b>60213</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Fisher E	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>SB 155 Excel in CTE</i>						
<b>60216</b> 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Sivaratnam L	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>SB 155 Excel in CTE</i>						
<b>60220</b> 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Sivaratnam L	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>SB 155 Excel in CTE</i>						

## ACCT 131 - Federal Income Taxes I

This course teaches the student federal income tax rules and the procedures for reporting federal income tax. Upon completion of this course, the student should be able to do short- and long-range tax planning and keep records that will provide appropriate information for use in preparing federal income tax. The student should also be able to prepare the standard individual federal income tax return. 3 hrs./wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_131](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60230</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Spoolstra A	<b>Closed</b>
<i>SB 155 Excel in CTE</i>						

## ACCT 136 - Computerized Accounting Applications

Upon successful completion of this course, a student will be able to use accounting software to record daily transactions, perform reconciliations, record payroll, generate reports, set up new companies and create budgets. Prerequisite: ACCT 111 or ACCT 121.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_136](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_136))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60225</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Van Dyke E	<b>Closed</b>
<i>SB 155 Excel in CTE</i>						

## ACCT 222 - Managerial Accounting ▶

Upon completion of this course, the student will be able to develop and use accounting information as an instrument of management control. Students will recognize needed information, determine where it can be obtained and decide how this information can be used by managers to plan, control and make decisions. Material covered includes cost analysis, cost allocation and budgeting reports to management. Prerequisite: ACCT 122 with a grade of "C" or higher.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/acct/#ACCT\\_222](http://catalog.jccc.edu/coursedescriptions/acct/#ACCT_222))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60226 001 F2F <i>KBOR Seamless Transfer</i> <i>SB 155 Excel in CTE</i>	M-W----	11:00-01:30 PM	06/03/19-07/25/19	GEB 258	Cropp D	Closed
60228 350 ONLNE <i>SB 155 Excel in CTE</i> <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Jones L	Closed
60229 351 ONLNE <i>SB 155 Excel in CTE</i> <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Jones L	Closed
60227 960 F2F <i>SB 155 Excel in CTE</i> <i>KBOR Seamless Transfer</i>	M-W----	06:00-08:30 PM	06/03/19-07/25/19	GEB 363	Cropp D	Closed

## Administration of Justice

### ADMJ 121 - Introduction to Administration of Justice ▶

This course provides an overview of the three components of the American criminal justice system: police, courts and corrections. Interrelationships are stressed and problem areas discussed, particularly with respect to constitutional guarantees. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ\\_121](http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60274 351 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Sissom K	Closed

### ADMJ 124 - Criminal Justice and Corrections

This course is an introductory study of the field of corrections. Correctional history and an examination of the American correctional system will be explored, including detention, incarceration and community corrections. 3 hrs. lecture/ wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ\\_124](http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60275 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Gabrielson J	Closed

### ADMJ 127 - Criminology

This class will identify the major criminology theories. Various explanations for criminal conduct will be explored and society's responses to crime will be examined. 3 hrs. lecture/wk. ADMJ 127 and SOC 127 are the same course. Do not enroll in both.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ\\_127](http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ_127))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60276 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Galbrecht F	Closed
60278 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Blank S	Closed

## ADMJ 150 - Criminal Procedure

Criminal Procedure is an exploration of the structure of judicial processes; constitutional protections; and remedies for violations of constitutional rights. Students will learn, through discussion of important U.S. Supreme Court cases, how the Constitution is interpreted. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ\\_150](http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ_150))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60280 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Blank S	Closed

## ADMJ 285 - Administration of Justice Internship

Students augment their academic course work with an internship in an appropriate setting under instructional supervision. Internship projects are cooperative efforts between appropriate federal, state or local criminal justice agencies or not-for-profit organizations, and college staff and students. Internships give students the opportunity to participate in the real-world application of their academic studies. In addition, this synthesis of classroom study with practical experience provides students with skills and insights useful in selecting a career in the field of criminal justice. The student spends the equivalent of 12 hours per week for 14 weeks performing internship duties over the course of the semester or a total of 168 hours. Prerequisite: Department approval with fifteen credit hours in ADMJ courses or department approval and a grade point average of 2.0 or higher.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ\\_285](http://catalog.jccc.edu/coursedescriptions/admj/#ADMJ_285))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60284 501 INT	-----	-	06/03/19-07/25/19		Galbrecht F	2 of 6

Requirement: Department approval

## Automation Engineering Tech

### AET 110 - Industrial Maintenance

This is an introductory course that discusses common industrial maintenance topics, such as industrial tools and equipment, mechanical drive systems and maintenance programs. The lab component to this course will expand on concepts taught in lecture by incorporating hands-on projects using common components found in industry. 2 hrs. lecture/wk. and 3 hrs. lab/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/aet/#AET\\_110](http://catalog.jccc.edu/coursedescriptions/aet/#AET_110))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60421 001 F2F	-T-R---	05:00-06:50 PM	06/04/19-07/25/19	CTE 248	Clark H	Closed
	<b>Lab</b> -T-R---	07:00-10:00 PM	06/04/19-07/25/19	CTE 248		

*SB 155 Excel in CTE*

## Animation

### ANI 122 - Digital Rendering for Animation

This basic digital rendering course is designed for animators and game artists. Students will study basic and advanced digital rendering elements and principles. Students will produce digitally rendered elements used in animation and gaming, including realistic and stylistic character designs, vehicles, architecture, weapons and environments. Prerequisite or Corequisite: CDTP 135.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/ani/#ANI\\_122\)](http://catalog.jccc.edu/coursedescriptions/ani/#ANI_122)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60768 001 F2F	MTWR---	09:00-11:50 AM	06/03/19-07/25/19	RC 311	Garrison A	Closed

*SB 155 Excel in CTE*

### ANI 125 - Introduction to 2D Animation

In this course students will learn all aspects of traditional 2 dimensional animation, including flipbook, cell, puppet and claymation. Students will write a short story and create storyboards, an animatic and a 2-dimensional character. Students will explore the key principles of animation and learn the rules of filmmaking. Experimental animation will be integrated into the course using various artistic mediums. Prerequisite or Corequisite: CDTP 135.

**Credit Hours: 3**

**Associated Costs: \$50**

[Outline \(http://catalog.jccc.edu/coursedescriptions/ani/#ANI\\_125\)](http://catalog.jccc.edu/coursedescriptions/ani/#ANI_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60769 001 F2F	MTWR---	12:00-02:50 PM	06/03/19-07/25/19	RC 311	Kimball L	Closed

*SB 155 Excel in CTE*

### ANI 150 - Introduction to 3D Modeling and Game Art

This course provides an introduction to 3D modeling and creating game art assets for next-generation games. Students will learn industry production pipelines and create high polygon and low polygon gaming models, such as architectural, weapons, vehicles and other model assets. Students will also learn how to create photorealistic textures, light and render, create construction and texture worksheets, and export them into an existing game engine. Prerequisite or Corequisite: CDTP 135.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/ani/#ANI\\_150\)](http://catalog.jccc.edu/coursedescriptions/ani/#ANI_150)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60770 001 F2F	MTWR---	09:00-11:50 AM	06/03/19-07/25/19	OCB 106	Byers J	Closed

*SB 155 Excel in CTE*

## Anthropology

### ANTH 125 - Cultural Anthropology

This introductory course will employ various anthropological theories, perspectives and methodologies to critically and comparatively examine an array of cultural and social topics as they relate to selected Western and non-Western cultures and societies. 3 hrs./wk.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/anth/#ANTH\\_125\)](http://catalog.jccc.edu/coursedescriptions/anth/#ANTH_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60792 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Raab A	Closed
<i>General Education Designation KBOR Seamless Transfer Cultural Diversity Designation</i>						
60793 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Huber-Smith M	Closed
<i>KBOR Seamless Transfer General Education Designation Cultural Diversity Designation</i>						
60794 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Raab A	Closed
<i>KBOR Seamless Transfer General Education Designation Cultural Diversity Designation</i>						

## ANTH 126 - Physical Anthropology

This course is an introduction to selected concepts and principles important to an understanding of evolutionary forces and their influence on the physiology and behavior of humans. The importance of the scientific method will be explored. Awareness of humans and their place in nature will be achieved by examining basic genetics, micro- and macroevolution, primate ecology and behavior, the paleoanthropological evidence for human evolution, and modern human adaptation and variation. 3 hrs./wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/anth/#ANTH\\_126](http://catalog.jccc.edu/coursedescriptions/anth/#ANTH_126))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60795 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Corbett S	Closed

## ANTH 130 - World Cultures

This introductory course will utilize an ethnographic approach to introduce students to various cultural and social practices of Westernized and non-Westernized cultures and societies from around the world. This course will examine a wide range of topics including economic production, religion, world view, kinship patterns and political and economic institutions. 3 hrs./wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/anth/#ANTH\\_130](http://catalog.jccc.edu/coursedescriptions/anth/#ANTH_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60796 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Ediger R	Closed
<i>General Education Designation</i> <i>Cultural Diversity Designation</i>						
60797 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Huber-Smith M	Closed
<i>General Education Designation</i> <i>Cultural Diversity Designation</i>						
60798 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Harmon L	Closed
<i>Cultural Diversity Designation</i> <i>General Education Designation</i>						

## ANTH 142 - World Prehistory

This course is an introduction to the variety and continuity of the prehistoric human past. Through the archaeological record we will consider the evolution of humans, the transition of foraging to farming economies, the rise of complex societies, secondary state formation, and the collapse of complex societies.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/anth/#ANTH\\_142](http://catalog.jccc.edu/coursedescriptions/anth/#ANTH_142))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60799 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Raab A	Closed
<i>Cultural Diversity Designation</i> <i>General Education Designation</i>						

## Art

### ART 130 - Drawing I

This is an introductory course with an emphasis on the development of fundamental drawing skills, increased power of observation and an awareness of the personally expressive and compositional aspects of drawing. 6 hrs. integrated lecture/studio/wk.

**Credit Hours: 3**

**Associated Costs:** \$100 to 200

Outline ([http://catalog.jccc.edu/coursedescriptions/art/#ART\\_130](http://catalog.jccc.edu/coursedescriptions/art/#ART_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60612 001 F2F	MTW----	08:00-11:50 AM	06/03/19-07/24/19	FADS 210	Kira K	Closed
<i>KBOR Seamless Transfer</i>						
60613 002 F2F	MTW----	06:00-09:50 PM	06/03/19-07/24/19	FADS 210	Stewart M	Closed
<i>KBOR Seamless Transfer</i>						

## ART 131 - Drawing II

This course involves intermediate problems in drawing with emphasis on individual expression based on historical as well as contemporary concerns and approaches in art. Students will work from models, still-life, and conceptual presentations. A variety of media will be explored. Prerequisite: ART 130.

**Credit Hours:** 3

**Associated Costs:** \$100 to 200

Outline ([http://catalog.jccc.edu/coursedescriptions/art/#ART\\_131](http://catalog.jccc.edu/coursedescriptions/art/#ART_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60614 002 F2F	MTW----	06:00-09:50 PM	06/03/19-07/24/19	FADS 210	Stewart M	Closed

## ART 135 - Painting I

This course is an introduction to the basic elements of painting. Students will learn basic painting skills, color properties, color mixing, color relationships, applications and proper use of tools and equipment. 6 hrs. integrated lecture/studio/wk.

**Credit Hours:** 3

**Associated Costs:** \$100 to 200

Outline ([http://catalog.jccc.edu/coursedescriptions/art/#ART\\_135](http://catalog.jccc.edu/coursedescriptions/art/#ART_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60615 001 F2F	MTW----	01:00-04:50 PM	06/03/19-07/24/19	FADS 208	Carroll J	Closed

## ART 142 - Ceramics I

This course is designed to build a conceptual and manual foundation for future ceramics education. Students will study the properties of clay, its preparation, hand and wheel techniques, surface design, firing methods, fundamental ceramic terms, principles of design, introductory ceramic history and orientation to safe practices for the ceramic artist. Emphasis will be on developing skills appropriate to the beginning student for the purpose of creative and technical expression. 6 hrs. integrated lecture/studio/wk.

**Credit Hours:** 3

**Associated Costs:** \$100 to 250

Outline ([http://catalog.jccc.edu/coursedescriptions/art/#ART\\_142](http://catalog.jccc.edu/coursedescriptions/art/#ART_142))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60616 001 F2F	MTW----	08:00-11:50 AM	06/03/19-07/24/19	FADS 123	Haney N	Closed
60617 002 F2F	-TWR---	01:00-04:50 PM	06/04/19-07/25/19	FADS 123	Davis S	Closed

## ART 143 - Ceramics II

This course covers more advanced methods and studio practices in creative ceramic wheel expression and glaze formation. Emphasis is on development of a sense of thrown form and creative decoration or optional creative non-wheel ceramic form development. The course focuses on advanced ceramic form production, aesthetic issues, investigative study and practice. Clay, glaze and firing techniques are investigated in depth. The student acquires a repertoire of studio skills, a deeper awareness of ceramic history and articulated criteria of judgment. Individual interpretation and conceptual development are expected. The study of aesthetics of ceramic form is undertaken. Prerequisite: ART 142.

**Credit Hours:** 3

**Associated Costs:** \$100 to 250

[Outline \(http://catalog.jccc.edu/coursedescriptions/art/#ART\\_143\)](http://catalog.jccc.edu/coursedescriptions/art/#ART_143)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60618 001 F2F	MTW----	08:00-11:50 AM	06/03/19-07/24/19	FADS 123	Haney N	Closed
60619 002 F2F	-TWR---	01:00-04:50 PM	06/04/19-07/25/19	FADS 123	Davis S	Closed

## ART 145 - Sculpture I

Students will explore and study natural and synthetic sculptural forms as they create work using traditional or contemporary media and techniques. Assignments require work in limestone, clay, wax, bronze, aluminum and steel, and involve carving, modeling and building up. 6 hrs. integrated lecture/studio/wk.

**Credit Hours:** 3

**Associated Costs:** \$50 to 200

[Outline \(http://catalog.jccc.edu/coursedescriptions/art/#ART\\_145\)](http://catalog.jccc.edu/coursedescriptions/art/#ART_145)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60622 001 F2F	MTW----	08:00-11:50 AM	06/03/19-07/24/19	FADS 125	Sandoval A	Closed

## ART 146 - Sculpture II

This continuation of ART 145 will focus on advanced methods and techniques with emphasis on materials, forms and the student's selection of an individual direction with individual material choices. Prerequisite: ART 145.

**Credit Hours:** 3

**Associated Costs:** \$50 to 200

[Outline \(http://catalog.jccc.edu/coursedescriptions/art/#ART\\_146\)](http://catalog.jccc.edu/coursedescriptions/art/#ART_146)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60623 002 F2F	MTW----	08:00-11:50 AM	06/03/19-07/24/19	FADS 125	Sandoval A	Closed

## ART 148 - Metal and Silversmithing I

This course is a basic introduction to the terms, tools and techniques involved in creating jewelry and other wearables as they relate to the human figure. Casting, fabrication and construction will be explored. 6 hrs. integrated lecture/studio/wk.

**Credit Hours:** 3

**Associated Costs:** \$50 to 200

[Outline \(http://catalog.jccc.edu/coursedescriptions/art/#ART\\_148\)](http://catalog.jccc.edu/coursedescriptions/art/#ART_148)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60620 001 F2F	MTW----	01:00-04:50 PM	06/03/19-07/24/19	FADS 126	Pener S	Closed

## ART 149 - Metal and Silversmithing II

Students will study advanced casting and construction techniques. Projects should show a higher degree of design and function. Prerequisite: ART 148.

**Credit Hours:** 3

**Associated Costs:** \$50 to 200

[Outline \(http://catalog.jccc.edu/coursedescriptions/art/#ART\\_149\)](http://catalog.jccc.edu/coursedescriptions/art/#ART_149)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60621 001 F2F	MTW----	01:00-04:50 PM	06/03/19-07/24/19	FADS 126	Pener S	Closed

## ART 291 - Independent Study

Independent study is a directed, structured learning experience offered as an extension of the regular curriculum. It is intended to allow individual students to broaden their comprehension of the principles of and competencies associated with the discipline or program. Its purpose is to supplement existing courses with individualized, in-depth learning experiences. Such learning experiences may be undertaken independent of the traditional classroom setting, but will be appropriately directed and supervised by regular instructional staff. Total contact hours vary based on the learning experience. Prerequisite: 2.0 GPA minimum and department approval.

**Credit Hours: 3**

**Associated Costs:** \$100 to 200

Outline ([http://catalog.jccc.edu/coursedescriptions/art/#ART\\_291](http://catalog.jccc.edu/coursedescriptions/art/#ART_291))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60918 961 IND	-----	-	06/03/19-07/25/19		Smith A	Full
Requirement: Department approval						
60930 962 IND	-----	-	06/03/19-07/25/19		Davis S	1 of 4
Requirement: Department approval						

## Art History

### ARTH 180 - Art History: Ancient to Renaissance

This course will acquaint students with the arts and ideas of world civilizations from the prehistoric period to the beginning of the Italian Renaissance. The course will examine the aesthetic elements that mark the styles of major periods in two-dimensional, three-dimensional and architectural works. Particular attention will be paid to the relationship between artistic elements and their various cultural and historical contexts.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/arth/#ARTH\\_180](http://catalog.jccc.edu/coursedescriptions/arth/#ARTH_180))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60232 351 ONLNE	-----	-	06/03/19-07/25/19	Online	DiCamillo R	Closed
<i>KBOR Seamless Transfer</i> <i>Cultural Diversity Designation</i> <i>General Education Designation</i>						
60233 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Smith A	Closed
<i>Cultural Diversity Designation</i> <i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60234 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Newlands J	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i> <i>Cultural Diversity Designation</i>						
60937 354 ONLNE	-----	-	07/01/19-07/25/19	Online	Smith A	Closed
<i>Cultural Diversity Designation</i> <i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						

### ARTH 182 - Art History: Renaissance to Modern

This course will acquaint students with the arts and ideas of Western cultures from the beginning of the Italian Renaissance to the present. The course will examine the aesthetic elements that mark the styles of major periods in two-dimensional, three-dimensional and architectural works. Particular attention will be paid to the relationship between artistic elements and their various cultural and historical contexts.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/arth/#ARTH\\_182](http://catalog.jccc.edu/coursedescriptions/arth/#ARTH_182))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60235 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Zell V	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
60236 352 ONLINE	-----	-	06/03/19-07/25/19	Online	Zell V	Closed
<i>KBOR Seamless Transfer</i>						

### ARTH 184 - Art History: Twentieth Century

This course introduces the student to the arts and ideas of Western Europe and the United States from the late 19th century to the present. The course will examine the aesthetic elements that mark the styles of major movements in two-dimensional, three-dimensional and architectural works. Particular attention will be paid to the relationship between artistic elements and their various cultural and historical contexts.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/arth/#ARTH\\_184](http://catalog.jccc.edu/coursedescriptions/arth/#ARTH_184))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60237 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Smith A	Closed

### ARTH 186 - Art History: Introduction to Asian Art

This course will acquaint students with the arts and ideas that arose in India, China and Japan from the prehistoric to the early modern periods. The course will examine the aesthetic elements that mark the styles of major periods in two-dimensional, three-dimensional and architectural works. Particular attention will be paid to the relationship between artistic elements and their various cultural and historical contexts. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/arth/#ARTH\\_186](http://catalog.jccc.edu/coursedescriptions/arth/#ARTH_186))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60239 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Dolembo M	Closed

*Cultural Diversity Designation*

### American Sign Language

#### ASL 120 - Elementary American Sign Language I

This class will focus on the development of beginning American Sign Language communication skills. Comprehension skills and linguistic features of the language taught in context will be emphasized. A minimum grade of "C" is required to continue in the ASL program. 6 hrs. integrated lecture/lab/wk. ASL 120 and FL 180 are the same course. Do not enroll in both.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/asl/#ASL\\_120](http://catalog.jccc.edu/coursedescriptions/asl/#ASL_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60730 001 F2F	MTW----	08:00-11:05 AM	06/03/19-07/24/19	GEB 215	Kuhns K	Closed

*SB 155 Excel in CTE*

60731 002 F2F	MTW----	06:00-09:05 PM	06/03/19-07/24/19	GEB 215	Symansky R	Closed
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*SB 155 Excel in CTE*

### Astronomy

#### ASTR 120 - Fundamentals of Astronomy

This course is a study of the universe from the earth, moon and planets to the stars and the most distant galaxies. Topics include black holes, quasars, and the origin of the universe and the possibility of life on other planets. Current astronomical discoveries are discussed in class as they occur. Access to astronomical websites is available to students in this course. 3 hrs. lecture/wk.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/astr/#ASTR\\_120\)](http://catalog.jccc.edu/coursedescriptions/astr/#ASTR_120)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60253 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Koch W	Closed

*KBOR Seamless Transfer*

NOTE: Orientation for first-time online students is highly recommended. Students should log into the course and begin working within the first week of instruction. Students that haven't logged in within the first week may be dropped for non-attendance. The textbook and all course material is provided free online. COURSE DESCRIPTION: This course is a study of the universe from the earth, moon and planets to the stars and the most distant galaxies. Topics include black holes, quasars, and the origin of the universe and the possibility of life on other planets. Current astronomical discoveries are discussed in class as they occur. Access to astronomical websites is available to students in this course. 3 hrs. lecture/wk.

60254 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Koch W	Closed
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*KBOR Seamless Transfer*

NOTE: Orientation for first-time online students is highly recommended. Students should log into the course and begin working within the first week of instruction. Students that haven't logged in within the first week may be dropped for non-attendance. The textbook and all course material is provided free online. COURSE DESCRIPTION: This course is a study of the universe from the earth, moon and planets to the stars and the most distant galaxies. Topics include black holes, quasars, and the origin of the universe and the possibility of life on other planets. Current astronomical discoveries are discussed in class as they occur. Access to astronomical websites is available to students in this course. 3 hrs. lecture/wk.

## ASTR 122 - Astronomy

This course is a study of the universe from the Earth, moon and planets to the stars and the most distant galaxies. Topics include black holes, quasars, and the origin of the universe and the possibility of life on other planets. Current astronomical discoveries are discussed in class as they occur. Access to astronomical websites is available to students in this course. 3 hrs. lecture, 3 hrs. lab/wk., 5 nighttime telescope sessions are required.

**Credit Hours: 4**

[Outline \(http://catalog.jccc.edu/coursedescriptions/astr/#ASTR\\_122\)](http://catalog.jccc.edu/coursedescriptions/astr/#ASTR_122)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60255 001 F2F	M-W----	09:00-10:50 AM	06/03/19-07/25/19	CLB 411	Koch W	Closed
	-T-R--	09:00-09:50 AM	06/04/19-07/25/19	CLB 411		
	Lab -T-R--	10:00-11:50 AM	06/04/19-07/25/19	CLB 411		

*KBOR Seamless Transfer*

## Automotive Technology

### AUTO 125 - Introduction to Automotive Shop Practices

This course is an introductory course required for all students in the Automotive Technology program. Upon successful completion of this course, the student should be able to develop shop safety habits and become proficient in tire, battery, cooling system, lubrication service and minor electrical diagnosis. Emphasis will be placed on learning basic skills needed to enter advanced automotive classes. 2 hrs. lecture, 3 hrs. lab/wk.

**Credit Hours: 3**

**Associated Costs:** \$300 to \$400

[Outline \(http://catalog.jccc.edu/coursedescriptions/auto/#AUTO\\_125\)](http://catalog.jccc.edu/coursedescriptions/auto/#AUTO_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60843 376 HYB	-T-R--	09:00-10:40 AM	06/04/19-07/25/19	CTE 254	Hall D	Closed
	Lab -T-R--	11:00-01:40 PM	06/04/19-07/25/19	CTE 154		
	-----	-	06/04/19-07/25/19			

*Accelerating Opportunity KS  
SB 155 Excel in CTE*

### AUTO 161 - Engine Performance I

In this learning plan students will: complete work order and check history; identify engine mechanical integrity; explore the fundamentals of fuel system theory; identify fuel system concerns; explore the fundamentals of ignition theory; identify ignition system concerns; identify induction system concerns; identify exhaust system concerns; identify engine mechanical integrity through a variety of learning and assessment activities. Prerequisite: AUTO 156.

**Credit Hours:** 3

**Associated Costs:** \$0 to \$400

Outline ([http://catalog.jccc.edu/coursedescriptions/auto/#AUTO\\_161](http://catalog.jccc.edu/coursedescriptions/auto/#AUTO_161))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60892 376 HYB	M-W----	05:30-07:10 PM	06/03/19-07/24/19	CTE 254	Jones M	Closed
	Lab M-W----	07:15-09:55 PM	06/03/19-07/24/19	CTE 154		
	-----	-	06/03/19-07/24/19			

*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

## AUTO 166 - Electrical II

Upon completion of this course, the student should be able to perform battery diagnosis, perform battery service, perform starting system diagnosis, perform starting system repair, perform charging system diagnosis, perform charging system repair, and identify current flow on starting and charging system diagrams. Prerequisite: AUTO 156.

**Credit Hours:** 2

**Associated Costs:** \$0 to \$400

Outline ([http://catalog.jccc.edu/coursedescriptions/auto/#AUTO\\_166](http://catalog.jccc.edu/coursedescriptions/auto/#AUTO_166))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60893 376 HYB	-T-R---	06:00-06:50 PM	06/04/19-07/25/19	CTE 254	Hale H	Closed
	Lab -T-R---	07:00-09:40 PM	06/04/19-07/25/19	CTE 154		
	-----	-	06/04/19-07/25/19			

*SB 155 Excel in CTE*  
*Accelerating Opportunity KS*

## AUTO 271 - Automotive Technology Internship

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. The internship will provide advanced students on-the-job experience under the supervision of professionals in the industry. The work will be developed cooperatively with area employers, college staff and each student to provide a variety of actual job experiences directly related to the student's career goals. Prerequisite: Department approval.

**Credit Hours:** 3

Outline ([http://catalog.jccc.edu/coursedescriptions/auto/#AUTO\\_271](http://catalog.jccc.edu/coursedescriptions/auto/#AUTO_271))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60844 500 INT	-----	-	06/03/19-07/25/19		Ireland J	1 of 5

*SB 155 Excel in CTE*  
Requirement: Department approval

## Health Occupations

### AVHO 102 - Certified Nurse Aide (CNA)

This course provides classroom and clinical instruction for the primary care of clients in long-term and acute-care facilities. Students learn skills for daily hygiene, bedside care, vital sign measurement, positioning and safe transfer of clients. The class prepares and schedules the student to take the Kansas CNA examination. 96 total contact hrs. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.

**Credit Hours:** 5

**Associated Costs:** \$20 to 110

Outline ([http://catalog.jccc.edu/coursedescriptions/avho/#AVHO\\_102](http://catalog.jccc.edu/coursedescriptions/avho/#AVHO_102))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60337</b> 001 F2F	-TW----	08:30-03:30 PM	06/04/19-07/24/19	OHEC 233	Horst K	<b>Closed</b>
<i>SB 155 Excel in CTE</i>						
<i>Accelerating Opportunity KS</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60364</b> 002 F2F	MTW----	04:00-08:00 PM	06/03/19-07/24/19	OHEC 241	Kuria J	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60365</b> 003 F2F	MTW----	05:00-09:00 PM	06/03/19-07/24/19	OHEC 231	Brune M	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60366</b> 004 F2F	MTWR---	08:30-03:30 PM	06/03/19-06/27/19	OHEC 235	Schrader L	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60527</b> 005 F2F	MTWRFS-	07:30-04:00 PM	06/03/19-06/15/19	OHEC 209	Radom V	<b>Closed</b>
<i>SB 155 Excel in CTE</i>						
<i>Mandatory Classroom Meetings</i>						
<i>Accelerating Opportunity KS</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60535</b> 006 F2F	MTWRFS-	07:30-04:00 PM	06/17/19-06/29/19	OHEC 209	Radom V	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60521</b> 376 HYB	-----	08:00-03:00 PM	06/07/19-07/26/19	<b>Online</b>	Brown D	<b>Closed</b>
	---F--	08:00-03:00 PM	06/07/19-07/26/19	OHEC 233		
<i>Accelerating Opportunity KS</i>						
<i>SB 155 Excel in CTE</i>						
<i>Mandatory Classroom Meetings</i>						
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class. Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.						
<b>60367</b> 377 HYB	-----	08:00-03:00 PM	06/03/19-07/22/19	<b>Online</b>	Reischman C	<b>Closed</b>
	M-----	08:00-03:00 PM	06/03/19-07/22/19	OHEC 241		

CRN	Days	Time	Date	Location	Instructor	Seats Open	
<i>Mandatory Classroom Meetings</i>							
<i>SB 155 Excel in CTE</i>							
<i>Accelerating Opportunity KS</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60368	378 HYB	-----	08:00-03:00 PM	06/04/19-07/23/19	Online	Reischman C	Closed
		-T-----	08:00-03:00 PM	06/04/19-07/23/19	OHEC 241		
<i>Accelerating Opportunity KS</i>							
<i>SB 155 Excel in CTE</i>							
<i>Mandatory Classroom Meetings</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60370	379 HYB	-----	08:00-03:00 PM	06/05/19-07/24/19	Online	Reischman C	Closed
		--W----	08:00-03:00 PM	06/05/19-07/24/19	OHEC 241		
<i>Mandatory Classroom Meetings</i>							
<i>SB 155 Excel in CTE</i>							
<i>Accelerating Opportunity KS</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60373	382 HYB	-----	08:30-03:30 PM	06/05/19-07/24/19	Online	Kobularcik L	Closed
		--W----	08:30-03:30 PM	06/05/19-07/24/19	OHEC 231		
<i>Accelerating Opportunity KS</i>							
<i>SB 155 Excel in CTE</i>							
<i>Mandatory Classroom Meetings</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60374	383 HYB	-----	08:00-03:00 PM	06/03/19-07/22/19	Online	Talbert K	Closed
		M-----	08:00-03:00 PM	06/03/19-07/22/19	OHEC 233		
<i>Accelerating Opportunity KS</i>							
<i>SB 155 Excel in CTE</i>							
<i>Mandatory Classroom Meetings</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60375	384 HYB	-----	08:00-03:00 PM	06/07/19-07/26/19	Online	Talbert K	Closed
		---F--	08:00-03:00 PM	06/07/19-07/26/19	OHEC 231		
<i>Mandatory Classroom Meetings</i>							
<i>Accelerating Opportunity KS</i>							
<i>SB 155 Excel in CTE</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60889	385 HYB	---R---	08:00-03:30 PM	06/06/19-07/25/19	OHEC 231	Allenbrand E	Closed
		-----	-	06/06/19-07/25/19	Online		

CRN	Days	Time	Date	Location	Instructor	Seats Open	
<i>Accelerating Opportunity KS</i>							
<i>SB 155 Excel in CTE</i>							
<i>Mandatory Classroom Meetings</i>							
NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ( <a href="http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html">www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html</a> ) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.							
60890	386 HYB	----F--	08:00-03:00 PM	06/07/19-07/26/19	OHEC 235	Allenbrand E	<b>Closed</b>
		-----	-	06/07/19-07/26/19	<b>Online</b>		

*Mandatory Classroom Meetings*  
*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

NOTE: Registration for this course will not begin until 8:00 a.m. on Friday, April 12,2019. Students MUST view CNA Enrollment Tips ([www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html](http://www.jccc.edu/academics/credit/nursing/certified-nurse-aide/cna-enrollment-tips.html)) before April 12th, 2019. Clinical days/hours may vary. Clinical hours may be revised as early as 5:45 a.m., ending as late as 9:00 p.m. Documentation of current TB skin test- negative results within the last year, current CPR for Health Care Providers and a Social Security Card are required by the first day of class.Prerequisite: ENGL 121 with a grade of "C" or higher or an appropriate reading placement test score.

### AVHO 103 - Certified Nurse Aide Refresher Course (CNA-R)

This 21-hour CNA refresher course provides classroom and laboratory experience to update the inactive CNA. The student will discuss the nurse aide's responsibility in the current health care system and the importance of resident rights. The student will demonstrate safety measures, infection control procedures, personal care skills, measurement of vital signs and transfers, positioning and turning. 21 contact hours. Prerequisite: Kansas CNA Certification and department approval.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/avho/#AVHO\\_103](http://catalog.jccc.edu/coursedescriptions/avho/#AVHO_103))

CRN	Days	Time	Date	Location	Instructor	Seats Open	
60628	009 F2F	---RFS-	09:00-04:30 PM	06/13/19-06/15/19	OHEC 241	Waechter J	<b>Closed</b>

### AVHO 108 - Certified Medication Aide Update (CMA-U)

This course meets the continuing education requirements for licensed Certified Medication Aides. The course includes review of commonly used drugs and their interactions with foods and other drugs. Also included are discussions of legal implications and regulations related to administration and record keeping, biological effects of medications on the elderly and a review of basic safety principles. 15 contact hours. Prerequisite: Proof of Kansas CMA certification and Proof of Kansas CNA Certification.

**Credit Hours: 1**

**Associated Costs: \$20**

Outline ([http://catalog.jccc.edu/coursedescriptions/avho/#AVHO\\_108](http://catalog.jccc.edu/coursedescriptions/avho/#AVHO_108))

CRN	Days	Time	Date	Location	Instructor	Seats Open	
60630	110 F2F	-----S-	09:00-04:30 PM	06/15/19-06/22/19	OHEC 231	Wiley K	<b>Closed</b>

## Biology

### BIOL 110 - Nutrition for Life

Designed for students who wish to apply nutrition information to their lives, this course explores how food selection affects body size, body composition, performance, disease resistance, impact on the environment, and longevity. Students will analyze the composition of their diets and develop a plan of action to improve their eating behaviors. This course integrates sustainability concepts.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_110](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_110))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
60571 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Markley L	Closed

NOTE: Students requiring a nutrition class for a BSN nursing degree or allied health must take BIOL 235, not BIOL 110. \* COURSE DESCRIPTION: Designed for students who wish to apply nutrition information to their lives, this course explores how food selection affects body size, body composition, performance, disease resistance, impact on the environment, and longevity. Students will analyze the composition of their diets and develop a plan of action to improve their eating behaviors. This course integrates sustainability concepts.

## BIOL 121 - Introductory Biology for Non-Majors

This course introduces non-majors to selected concepts and principles that form the foundation of an understanding of how biological systems operate. The importance of scientific methods and processes will be explored. Biological systems will be investigated at a variety of levels, from the chemical to the biosphere, and the unity of diversity of life will be examined in light of evolutionary and genetic processes. 3 hrs. lecture & 2 hrs. instructional lab/wk.

**Credit Hours: 4**

**Associated Costs:** \$0 to 15

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_121](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60577 001 F2F	M-W----	08:00-10:30 AM	06/03/19-07/25/19	CLB 314	Arico J	Closed
	<b>Lab</b> -T-----	08:00-09:50 AM	06/04/19-07/25/19	SCI 203		
	<b>Lab</b> ---R---	08:00-09:50 AM	06/06/19-07/25/19	SCI 207		

*KBOR Seamless Transfer*

60578 002 F2F	M-W----	10:00-12:30 PM	06/03/19-07/25/19	CLB 412	Finch D	Closed
	<b>Lab</b> M-----	01:00-02:50 PM	06/03/19-07/25/19	SCI 203		
	<b>Lab</b> --W----	01:00-02:50 PM	06/05/19-07/25/19	SCI 207		

*KBOR Seamless Transfer*

60579 003 F2F	-T-R---	10:00-12:30 PM	06/04/19-07/25/19	CLB 314	Mozingo L	Closed
	<b>Lab</b> -T-----	01:00-02:50 PM	06/04/19-07/25/19	SCI 203		
	<b>Lab</b> ---R---	01:00-02:50 PM	06/06/19-07/25/19	SCI 207		

*KBOR Seamless Transfer*

60581 380 HYB	<b>Lab</b> M-----	03:00-04:50 PM	06/03/19-07/25/19	SCI 203	Finch D	Closed
	-----	-	06/03/19-07/25/19	Online		
	<b>Lab</b> --W----	03:00-04:50 PM	06/05/19-07/25/19	SCI 207		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

60582 381 HYB	<b>Lab</b> M-----	06:00-07:50 PM	06/03/19-07/25/19	SCI 203	Daggett M	Closed
	-----	-	06/03/19-07/25/19	Online		
	<b>Lab</b> --W----	06:00-07:50 PM	06/05/19-07/25/19	SCI 207		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

## BIOL 130 - Environmental Science

Environmental Science seeks to describe problems and solutions associated with human use of natural resources. Students will study the major physical and biological processes that govern the complex interactions in natural ecosystems. Major course topics include human population growth, resource use and pollution. Practical solutions aimed at sustainability will be identified and examined. This is an introductory, nonscience-major survey course.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_130](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60554 001 F2F	M-W----	09:00-11:50 AM	06/03/19-07/25/19	GP 101	Brink M	Closed

*KBOR Seamless Transfer*

CRN	Days	Time	Date	Location	Instructor	Seats Open
60555 002 F2F	M-W----	03:00-05:50 PM	06/03/19-07/25/19	GP 101	Oden J	Closed
<i>KBOR Seamless Transfer</i>						
60556 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Witters L	Closed
<i>KBOR Seamless Transfer</i>						

NOTE: All assignments and exams are accessed online and have specific due dates. Please refer to the syllabus and schedule for exact dates. COURSE DESCRIPTION: Environmental Science seeks to describe problems and solutions associated with human use of natural resources. Students will study the major physical and biological processes that govern the complex interactions in natural ecosystems. Major course topics include human population growth, resource use and pollution. Practical solutions aimed at sustainability will be identified and examined. This is an introductory, nonscience-major survey course. 3 hrs./wk.

60557 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Follo J	Closed
<i>KBOR Seamless Transfer</i>						
NOTE: All assignments and exams are accessed online and have specific due dates. Please refer to the syllabus and schedule for exact dates. COURSE DESCRIPTION: Environmental Science seeks to describe problems and solutions associated with human use of natural resources. Students will study the major physical and biological processes that govern the complex interactions in natural ecosystems. Major course topics include human population growth, resource use and pollution. Practical solutions aimed at sustainability will be identified and examined. This is an introductory, nonscience-major survey course. 3 hrs./wk.						

60558 352 ONLNE	-----	-	06/03/19-06/30/19	Online	Oden J	Closed
<i>KBOR Seamless Transfer</i>						
NOTE: This is an Accelerated 4-week course; students should contact the instructor one week prior to class beginning. All assignments and exams are accessed online and have specific due dates. Please refer to the syllabus and schedule for exact dates. ----- COURSE DESCRIPTION: Environmental Science seeks to describe problems and solutions associated with human use of natural resources. Students will study the major physical and biological processes that govern the complex interactions in natural ecosystems. Major course topics include human population growth, resource use and pollution. Practical solutions aimed at sustainability will be identified and examined. This is an introductory, nonscience-major survey course. 3 hrs./wk.						

60559 353 ONLNE	-----	-	07/01/19-07/25/19	Online	Williams D	Closed
<i>KBOR Seamless Transfer</i>						
NOTE: This is an Accelerated 4-week, Late-Start course; students should contact the instructor one week prior to class beginning. All assignments and exams are accessed online and have specific due dates. Please refer to the syllabus and schedule for exact dates. ----- COURSE DESCRIPTION: Environmental Science seeks to describe problems and solutions associated with human use of natural resources. Students will study the major physical and biological processes that govern the complex interactions in natural ecosystems. Major course topics include human population growth, resource use and pollution. Practical solutions aimed at sustainability will be identified and examined. This is an introductory, nonscience-major survey course. 3 hrs./wk.						

## BIOL 131 - Environmental Science Lab

In this lab, students will learn ecological principles that are necessary for understanding and solving environmental problems. Students will sample the local environment for various types of environmental pollution, conduct lab projects and computer simulations, and attend field trips. Field trips may include a visit to a local wastewater treatment plant, a stream ecosystem and a prairie ecosystem. 2 hrs. lab/wk. plus up to three field trips. BIOL 131 students must be currently enrolled in BIOL 130 or have successfully completed BIOL 130 within the last three years. Prerequisite or Corequisite: BIOL 130.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_131](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60560 001 F2F	Lab M-W----	01:00-02:50 PM	06/03/19-07/25/19	CLB 303	Oden J	Closed
<i>KBOR Seamless Transfer</i>						
60561 350 ONLNE	Lab -----	-	06/03/19-07/25/19	Online	Oden J	Closed
<i>KBOR Seamless Transfer</i>						
NOTE: All lab assignments and exams are submitted online. Students do not need to purchase the lab manual. A digital camera and the ability to upload photos to the online learning management system is a requirement. There are weekly labs with some labs requiring students visit local areas to assess flora and fauna. COURSE DESCRIPTION: In this lab, students will learn ecological principles that are necessary for understanding and solving environmental problems. Students will sample the local environment for various types of environmental pollution, conduct lab projects and computer simulations, and attend field trips. Field trips may include a visit to a local wastewater treatment plant, a stream ecosystem and a prairie ecosystem. 2 hrs. lab/wk. plus up to three field trips. BIOL 131 students must be currently enrolled in BIOL 130 or have successfully completed BIOL 130 within the last three years. Prerequisite or Corequisite: BIOL 130.						

60562 351 ONLNE	Lab -----	-	06/03/19-07/25/19	Online	Powell S	Closed
<i>KBOR Seamless Transfer</i>						
NOTE: All lab assignments and exams are submitted online. Students do not need to purchase the lab manual. A digital camera and the ability to upload photos to the online learning management system is a requirement. There are weekly labs with some labs requiring students visit local areas to assess flora and fauna. COURSE DESCRIPTION: In this lab, students will learn ecological principles that are necessary for understanding and solving environmental problems. Students will sample the local environment for various types of environmental pollution, conduct lab projects and computer simulations, and attend field trips. Field trips may include a visit to a local wastewater treatment plant, a stream ecosystem and a prairie ecosystem. 2 hrs. lab/wk. plus up to three field trips. BIOL 131 students must be currently enrolled in BIOL 130 or have successfully completed BIOL 130 within the last three years. Prerequisite or Corequisite: BIOL 130.						

## BIOL 134 - Principles of Sustainability

Principles of Sustainability introduces students to the social, economic and environmental dimensions of sustainability and sustainable development. The course will critically examine the use of sustainable principles to guide decision making and problem solving in personal, campus, community and global contexts. Students will engage in a variety of individual, group, campus and community activities and collaborate with campus and community offices and agencies in order to identify, assess and address local sustainability needs. Students will be required to present their projects at a public sustainability forum. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_134](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_134))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60812 350 ONLINE	-----	-	06/03/19-07/25/19	Online	Criner K	Closed

*SB 155 Excel in CTE*

## BIOL 135 - Principles of Cell and Molecular Biology

This course is for biology majors and students planning to take additional courses in the life sciences. Subjects covered include the nature of science; the levels of organization and emergent properties of life; basic biochemistry and bioenergetics; cell structure and function; cellular reproduction; Mendelian and molecular genetics and their relationships to the principles of evolution; basic laboratory skills; and experimentation. The lab activities allow for application of the topics presented in the lecture. 3 hrs. lecture, 2 hrs. lab/wk.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_135](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60583 001 F2F	M-W----	08:00-10:30 AM	06/03/19-07/25/19	RC 370	Mozingo L	Closed
	Lab -T-R---	08:00-09:50 AM	06/04/19-07/25/19	RC 345		

*KBOR Seamless Transfer*

60585 050 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	RC 370	Arico J	Closed
	Lab -T-R---	06:00-07:50 PM	06/04/19-07/25/19	RC 345		

*KBOR Seamless Transfer*

## BIOL 140 - Human Anatomy

Students will study gross and microscopic aspects of cells, tissues and organ systems of the human body. They will concentrate on a detailed analysis of the structure of each body system.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_140](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60564 001 F2F	MTWR---	08:00-10:50 AM	06/03/19-07/25/19	CLB 309	Brown S	Closed

*KBOR Seamless Transfer*

60565 002 F2F	MTWR---	09:00-11:50 AM	06/03/19-07/25/19	CLB 313	Makarov A	Closed
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*KBOR Seamless Transfer*

60566 003 F2F	MTWR---	12:00-02:50 PM	06/03/19-07/25/19	CLB 313	Makarov A	Closed
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*KBOR Seamless Transfer*

60567 050 F2F	MTWR---	06:00-08:50 PM	06/03/19-07/25/19	CLB 309	Sherry R	Closed
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*KBOR Seamless Transfer*

60568 350 ONLINE	-----	-	06/03/19-07/25/19	Online	Lasley L	Closed
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*KBOR Seamless Transfer*

60569 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Lasley L	Closed
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CRN	Days	Time	Date	Location	Instructor	Seats Open		
<i>KBOR Seamless Transfer</i>								
60570	352	ONLNE	-----	-	06/03/19-07/25/19	Online	Brown S	Closed

*KBOR Seamless Transfer*

## BIOL 144 - Human Anatomy and Physiology

This course provides basic knowledge on human structures and their function. Students will study the relationship of structures to function in the organ systems of the human body. Emphasis will be on the identification of the anatomical features and their functions. Prerequisite: RDG 126 or College Reading Readiness.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_144](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_144))

CRN	Days	Time	Date	Location	Instructor	Seats Open		
60587	001	F2F	MTWR---	08:00-11:15 AM	06/03/19-07/25/19	SCI 111	Watkins L	Closed
<i>KBOR Seamless Transfer</i>								
60588	002	F2F	MTWR---	01:00-04:15 PM	06/03/19-07/25/19	SCI 103	Sullivan C	Closed
<i>KBOR Seamless Transfer</i>								
60589	050	F2F	MTWR---	06:00-09:15 PM	06/03/19-07/25/19	SCI 103	Cobb A	Closed
<i>KBOR Seamless Transfer</i>								
60590	380	HYB	-----	-	06/03/19-07/25/19	Online	Baumgardner B	Closed
			-T----	05:00-08:50 PM	06/04/19-06/04/19	SCI 111		
			-T----	05:00-08:50 PM	06/11/19-06/11/19	SCI 111		
			-T----	05:00-08:50 PM	06/18/19-06/18/19	SCI 111		
			-T----	05:00-08:50 PM	06/25/19-06/25/19	SCI 111		
			-T----	05:00-08:50 PM	07/09/19-07/09/19	SCI 111		
			-T----	05:00-08:50 PM	07/16/19-07/16/19	SCI 111		
			-T----	05:00-08:50 PM	07/23/19-07/23/19	SCI 111		
<i>KBOR Seamless Transfer</i>								
<i>Mandatory Classroom Meetings</i>								
60591	381	HYB	-----	-	06/03/19-07/25/19	Online	Baumgardner B	Closed
			--W----	05:00-08:50 PM	06/05/19-06/05/19	SCI 111		
			--W----	05:00-08:50 PM	06/12/19-06/12/19	SCI 111		
			--W----	05:00-08:50 PM	06/19/19-06/19/19	SCI 111		
			--W----	05:00-08:50 PM	06/26/19-06/26/19	SCI 111		
			--W----	05:00-08:50 PM	07/10/19-07/10/19	SCI 111		
			--W----	05:00-08:50 PM	07/17/19-07/17/19	SCI 111		
			--W----	05:00-08:50 PM	07/24/19-07/24/19	SCI 111		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

## BIOL 155 - Bioethics

This course introduces students to the scientific, ethical and legal issues relevant to the discipline of biology and those raised by the rapid development of new biological technologies. Students will examine the major theories of ethics, including deontology, utilitarianism, and select others. Topics include: beginning of life issues such as contraception, abortion, and nontraditional methods of human reproduction; end of life issues such as advance healthcare directives and physician-assisted suicide; and other issues such as experimentation on human and animal subjects and human environmental impacts. BIOL 155 and PHIL 155 are the same courses; only enroll in one. Prerequisite: BIOL 121 or department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_155](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60563 350 ONLNE	-----	-	07/01/19-07/25/19	Online	Williams D	Closed

NOTE: Accelerated 4-week, Late-Start course. COURSE DESCRIPTION: This course introduces students to the scientific, ethical and legal issues relevant to the discipline of biology and those raised by the rapid development of new biological technologies. Students will examine the major theories of ethics, including deontology, utilitarianism, and select others. Topics include: beginning of life issues such as contraception, abortion, and nontraditional methods of human reproduction; end of life issues such as advance healthcare directives and physician-assisted suicide; and other issues such as experimentation on human and animal subjects and human environmental impacts. BIOL 155 and PHIL 155 are the same courses; only enroll in one. Prerequisite: BIOL 121 or high school biology with department approval.

## BIOL 225 - Human Physiology

This is an introduction to the dynamic functions of the human organism, from the chemical and molecular mechanisms that sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and systems operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations. Prerequisite: BIOL 140 or BIOL 144. Prerequisite or Corequisite: CHEM 122 or (CHEM 124 and CHEM 125).

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_225](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_225))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60592 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Wright G	Closed

### *KBOR Seamless Transfer*

NOTE: Exams are taken at the JCCC Testing Center or an approved testing site. COURSE DESCRIPTION: This is an introduction to the dynamic functions of the human organism, from the chemical and molecular mechanisms that sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and systems operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations. 6 hrs. integrated lecture/lab/wk. Prerequisite: BIOL 140 or BIOL 144. Prerequisite or Corequisite: CHEM 122 or (CHEM 124 and CHEM 125).

60593 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Wright G	Closed
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### *KBOR Seamless Transfer*

NOTE: Exams are taken at the JCCC Testing Center or an approved testing site. COURSE DESCRIPTION: This is an introduction to the dynamic functions of the human organism, from the chemical and molecular mechanisms that sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and systems operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations. 6 hrs. integrated lecture/lab/wk. Prerequisite: BIOL 140 or BIOL 144. Prerequisite or Corequisite: CHEM 122 or (CHEM 124 and CHEM 125).

60594 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Sullivan C	Closed
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### *KBOR Seamless Transfer*

NOTE: Exams are taken at the JCCC Testing Center or an approved testing site. COURSE DESCRIPTION: This is an introduction to the dynamic functions of the human organism, from the chemical and molecular mechanisms that sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and systems operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations. 6 hrs. integrated lecture/lab/wk. Prerequisite: BIOL 140 or BIOL 144. Prerequisite or Corequisite: CHEM 122 or (CHEM 124 and CHEM 125).

60595 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Thurlby K	Closed
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### *KBOR Seamless Transfer*

NOTE: Exams are taken at the JCCC Testing Center or an approved testing site. COURSE DESCRIPTION: This is an introduction to the dynamic functions of the human organism, from the chemical and molecular mechanisms that sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and systems operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations. 6 hrs. integrated lecture/lab/wk. Prerequisite: BIOL 140 or BIOL 144. Prerequisite or Corequisite: CHEM 122 or (CHEM 124 and CHEM 125).

60596 380 HYB	M-W----	01:00-03:50 PM	06/03/19-07/25/19	SCI 111	Menon Parker J	Closed
	-----	-	06/03/19-07/25/19	Online		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

## BIOL 227 - Human Pathophysiology

This introduction to the physiology of disease covers common disorders of the body from the cellular to the systemic level. Topics include causes, symptoms, diagnostic tests and treatments of disease. Prerequisite: BIOL 144 or BIOL 225.

**Credit Hours: 4**

[Outline \(http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_227\)](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_227)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60597 001 F2F	MTWR---	10:00-11:50 AM	06/03/19-07/25/19	SCI 124	Salah S	Closed
60598 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Clark M	Closed

NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This introduction to the physiology of disease covers common disorders of the body from the cellular to the systemic level. Topics include causes, symptoms, diagnostic tests and treatments of disease. 4 hrs. lecture/wk. Prerequisite: BIOL 144 or BIOL 225.

60599 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Clark M	Closed
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NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This introduction to the physiology of disease covers common disorders of the body from the cellular to the systemic level. Topics include causes, symptoms, diagnostic tests and treatments of disease. 4 hrs. lecture/wk. Prerequisite: BIOL 144 or BIOL 225.

## BIOL 230 - Microbiology

This is a general introductory course in microbiology. It provides a background in many areas of microbiology with an emphasis on medical aspects. The structure, physiology, antimicrobial agents, immunology and host-parasite relationship of microorganisms will be studied, with an emphasis on bacteria. Prerequisite: CHEM 122 or (CHEM 124 and CHEM 125) or one year of high school chemistry.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_230\)](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_230)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60602 002 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	SCI 116	EI Mellouki T	Closed
60603 003 F2F	MTWR---	12:30-01:45 PM	06/03/19-07/25/19	SCI 116	Beaty M	Closed
60767 050 F2F	MTWR---	06:00-07:15 PM	06/03/19-07/25/19	SCI 116	Wu X	Closed
60604 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Seitz H	Closed

NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This is a general introductory course in microbiology. It provides a background in many areas of microbiology with an emphasis on medical aspects. The structure, physiology, antimicrobial agents, immunology and host-parasite relationship of microorganisms will be studied, with an emphasis on bacteria. 3 hrs./wk. Prerequisite: CHEM 122 or (CHEM 124 and CHEM 125) or one year of high school chemistry.

60605 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Seitz H	Closed
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NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This is a general introductory course in microbiology. It provides a background in many areas of microbiology with an emphasis on medical aspects. The structure, physiology, antimicrobial agents, immunology and host-parasite relationship of microorganisms will be studied, with an emphasis on bacteria. 3 hrs./wk. Prerequisite: CHEM 122 or (CHEM 124 and CHEM 125) or one year of high school chemistry.

60606 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Ducote M	Closed
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NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This is a general introductory course in microbiology. It provides a background in many areas of microbiology with an emphasis on medical aspects. The structure, physiology, antimicrobial agents, immunology and host-parasite relationship of microorganisms will be studied, with an emphasis on bacteria. 3 hrs./wk. Prerequisite: CHEM 122 or (CHEM 124 and CHEM 125) or one year of high school chemistry.

## BIOL 231 - Microbiology Lab

Students will learn aseptic techniques and apply them in the isolation of pure cultures of bacteria. Students will also perform various staining techniques and chemical tests to identify these bacteria. The response of bacteria to changes in environmental conditions will also be examined. Various life stages of medically important parasites will also be observed. Prerequisite or Corequisite: BIOL 230.

**Credit Hours: 2**

**Associated Costs: \$35**

[Outline \(http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_231\)](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_231)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60607 001 F2F	Lab MTWR---	09:30-11:20 AM	06/03/19-07/25/19	SCI 113	Beaty M	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
60608 002 F2F	Lab MTWR---	11:30-01:20 PM	06/03/19-07/25/19	SCI 113	El Mellouki T	Closed
60609 003 F2F	Lab MTWR---	02:00-03:50 PM	06/03/19-07/25/19	SCI 113	Beaty M	Closed
60610 050 F2F	Lab MTWR---	07:30-09:20 PM	06/03/19-07/25/19	SCI 113	Faulkner M	Closed

## BIOL 235 - General Nutrition

This introductory course provides a basic knowledge of human nutrition. Students will learn the sources and functions of the various nutrients. They will also explore the interaction of diet, disease prevention and treatment. Through the use of a computerized nutrition program, students will analyze their diets for nutritional deficiencies and excesses. Prerequisite: CHEM 122 or (CHEM 124 and CHEM 125) and BIOL 144 or (BIOL 140 and prerequisite or corequisite: BIOL 225).

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_235](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_235))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60572 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Berry S	Closed
<i>KBOR Seamless Transfer</i>						
60573 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Shetty P	Closed
<i>KBOR Seamless Transfer</i>						
60574 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Shetty P	Closed

*KBOR Seamless Transfer*

## BIOL 240 - General Pharmacology

This course provides a basic understanding of the science of drugs-how they work and what they do. Students will study various drug concepts including mechanism of action, pharmacologic class, pharmaco-kinetics, pharmacodynamics and clinical implications. Prerequisite: BIOL 225.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/biol/#BIOL\\_240](http://catalog.jccc.edu/coursedescriptions/biol/#BIOL_240))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60575 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Clark M	Closed

NOTE: This online course will require testing in the JCCC testing center or an approved testing site. COURSE DESCRIPTION: This course provides a basic understanding of the science of drugs-how they work and what they do. Students will study various drug concepts including mechanism of action, pharmacologic class, pharmaco-kinetics, pharmacodynamics and clinical implications. Prerequisite: BIOL 225.

## Biotechnology

### BIOT 265 - Biotechnology Internship

The internship will provide advanced students the opportunity to develop job and career-related skills while in a work setting. Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. The work will be developed cooperatively with academic, industrial and private institutional biotechnology laboratories. 20 hrs./wk. Prerequisite: BIOT 260 with a grade of "C" or higher.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/biot/#BIOT\\_265](http://catalog.jccc.edu/coursedescriptions/biot/#BIOT_265))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60600 500 INT	-----	-	06/03/19-07/25/19		Harmon M	10 of 10

*SB 155 Excel in CTE*

Requirement: Department approval

## Business Law

## BLAW 261 - Business Law I

This course introduces students to the organization and structure of the American legal system as it applies to business. Upon successful completion of this course, students should be able to identify potential legal problems in their businesses and recognize when to engage the services of an attorney. The application of legal ethics to business situations will be covered. The distinction between criminal law and civil tort law, and how to apply criminal law and civil law to factual situations involving businesses, will be taught. The common law and Article 2 of the Uniform Commercial Code will be applied to contracts. Intellectual property, the principles of agency, and the different forms of business organizations will be introduced. Prerequisite: RDG 126 or College Reading Readiness.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/blaw/#BLAW\\_261](http://catalog.jccc.edu/coursedescriptions/blaw/#BLAW_261))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60862 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Feagan C	Closed
<i>SB 155 Excel in CTE</i>						
60863 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Feagan C	Closed
<i>SB 155 Excel in CTE</i>						
60864 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Waldman E	Closed
<i>SB 155 Excel in CTE</i>						

## BLAW 263 - Business Law II

A continuation of Business Law I, this course teaches students the principles of property, secured transactions, business formation, corporate law, and administrative law. Upon successful completion of this course, students should be able to identify potential legal problems in their businesses and recognize when to engage the services of an attorney. Concepts of real property, personal property, bailments, estates and trusts, and insurance law will be covered. The formation, operation, and dissolution of the different business forms will be taught. The principles of bankruptcy law, professional responsibility, shareholders' rights, employment law, and environmental law will be introduced. Prerequisite: BLAW 261.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/blaw/#BLAW\\_263](http://catalog.jccc.edu/coursedescriptions/blaw/#BLAW_263))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60866 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Pener M	Closed
<i>SB 155 Excel in CTE</i>						

## Business Office Technology

### BOT 101 - Keyboarding

This course is for students who do not know how to correctly keyboard by touch. This course is also for students who need to improve their keyboarding speed to at least 25 words per minute. 1 hr./wk.

**Credit Hours: 1**

**Associated Costs:** \$5 to \$10

Outline ([http://catalog.jccc.edu/coursedescriptions/bot/#BOT\\_101](http://catalog.jccc.edu/coursedescriptions/bot/#BOT_101))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60399 002 F2F	M-W----	06:00-07:45 PM	07/01/19-07/25/19	GEB 351B	Byfield T	Closed

## Business

### BUS 121 - Introduction to Business

Upon successful completion of this course, the student should be able to define the free enterprise system and explain the fundamentals of business creation. Students should be able to describe the interrelationship between the different business areas of accounting, finance, information systems, management, operations and marketing. The student should also be able to explain how ethics and responsible business citizenship are applicable to each area of a business. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_121](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60376 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 254	Syracuse F	Closed
<i>SB 155 Excel in CTE KBOR Seamless Transfer</i>						
60377 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Gallagher K	Closed
<i>KBOR Seamless Transfer SB 155 Excel in CTE</i>						
60456 352 ONLNE	-----	-	07/01/19-07/25/19	Online	Gallagher K	Closed
<i>KBOR Seamless Transfer SB 155 Excel in CTE</i>						
60380 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Gallagher K	Closed
<i>SB 155 Excel in CTE KBOR Seamless Transfer</i>						

### BUS 123 - Personal Finance

Upon successful completion of this course, the student should be able to develop a basic financial plan, calculate principal and interest, identify the types of consumer credit, make housing decisions, fill out a tax form and determine individual insurance needs. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_123](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_123))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60936 002 F2F	MTWR---	08:15-10:45 AM	07/01/19-07/25/19	GEB 258	Ferguson G	Closed
<i>KBOR Seamless Transfer</i>						
60401 350 ONLNE	-----	-	06/03/19-06/30/19	Online	Hussein S	Closed
<i>KBOR Seamless Transfer</i>						
60458 351 ONLNE	-----	-	07/01/19-07/25/19	Online	Hussein S	Closed
<i>KBOR Seamless Transfer</i>						
60910 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Ferguson G	Closed
<i>KBOR Seamless Transfer</i>						

### BUS 140 - Principles of Supervision

Upon successful completion of this course, the student should be able to define the supervisor's role within a company and identify the skills necessary to successfully fulfill that role. In addition, the student should be able to determine the supervisor's role in supervising employees on an individual basis and as a group. The student should also be able to apply the principles of supervision in simulated work situations. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_140](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60461 350 ONLNE	-----	-	06/03/19-06/30/19	Online	Webb F	Closed
<i>Accelerating Opportunity KS</i>						

### BUS 141 - Principles of Management

Upon successful completion of this course, the student should be able to state the basic functions of management, explain the nature of organizations and organizational theories and types, explain the importance of effective communication within the organizational structure, develop and define the techniques for directing and motivating employees, explain the effects of change on an organization, and develop techniques for coping with those effects. In addition, the student should be able to explain and discuss the application of business ethics in managerial decision-making. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_141](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_141))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60463 350 ONLNE <i>SB 155 Excel in CTE</i>	-----	-	06/03/19-06/30/19	Online	Webb F	Closed
60464 351 ONLNE <i>SB 155 Excel in CTE</i>	-----	-	07/01/19-07/25/19	Online	Webb F	Closed
60465 352 ONLNE <i>SB 155 Excel in CTE</i>	-----	-	06/03/19-07/25/19	Online	Nikravan S	Closed

## BUS 150 - Business Communications

Upon successful completion of this course, the student should be able to explain the role of communication in the business environment and identify the most effective methods for creating, sending and receiving messages. In addition, the student should be able to use effective oral and written communication skills in business; write and evaluate business documents, including letters, memos, and reports using the principles of correct style, organization and format; and prepare an effective oral business presentation. Prerequisite: ENGL 121.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_150](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_150))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60467 350 ONLNE <i>General Education Designation</i>	-----	-	06/03/19-07/25/19	Online	Gaines K	Closed
60468 351 ONLNE <i>General Education Designation</i>	-----	-	06/03/19-07/25/19	Online	Haverty M	Closed
60469 352 ONLNE <i>General Education Designation</i>	-----	-	07/01/19-07/25/19	Online	Haverty M	Closed

## BUS 215 - Savings and Investments

Upon successful completion of this course, the student should be able to define, analyze and evaluate types of savings instruments and other investments. In addition, the student should be able to determine which instruments are desirable for a personal financial plan. The student should also be able to demonstrate an understanding of basic financial-planning concepts and tax-planning procedures. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_215](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_215))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60470 350 ONLNE <i>SB 155 Excel in CTE</i>	-----	-	06/03/19-07/25/19	Online	Begley J	Closed

## BUS 225 - Human Relations

Upon successful completion of this course, the student should be able to evaluate the impact of human relations as it relates to the social system, technical system and administrative system of a work environment. In addition, the student should be able to analyze these systems and their effects on individual group and organizational performance. 3 hrs. lecture/wk.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_225\)](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_225)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60490 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Korb J	Closed
60811 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hanover M	Closed
60483 960 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 315	Syracuse F	Closed

### BUS 243 - Human Resource Management

Upon successful completion of this course, the student should be able to state the principles of human resource management; describe the human resource function as an integral part of management; differentiate between roles of the personnel and line manager in the management of human resources; define and evaluate strategic planning, recruitment, selection and training; define the primary methods of human resource development; employ methods of employer appraisal; and state the major components and coverages of the Equal Employment Opportunity Act and other personnel/human resource-related laws. 3 hrs. lecture/wk.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_243\)](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_243)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60493 351 ONLNE	-----	-	07/01/19-07/25/19	Online	Hussein S	Closed

*SB 155 Excel in CTE*

### BUS 270 - Business Administration Internship

Upon successful completion of this course, the student will be able to apply classroom knowledge to an actual work situation. This course offers work experience under instructional supervision in an approved training situation designed to provide practical experience in business administration. A minimum of 8 or more hours a week of on-the-job training is required.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/bus/#BUS\\_270\)](http://catalog.jccc.edu/coursedescriptions/bus/#BUS_270)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60924 500 INT	-----	-	06/03/19-07/25/19		Hussein S	9 of 10

*SB 155 Excel in CTE*

### Computer Desktop Publishing

#### CDTP 135 - Desktop Photo Manipulation I: Photoshop

In this career-related short course, students will manipulate digital photographs and images using a variety of basic techniques on either the Macintosh or PC computer platform. Students will apply techniques to correct, repair, retouch, create selections, and work with layers on a variety of digital photographs and images, including basic scanning techniques. 1 hr. lecture/wk.

**Credit Hours: 1**

**Associated Costs:** \$15 to 20

[Outline \(http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP\\_135\)](http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP_135)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60636 001 F2F	M-----	12:00-02:45 PM	06/10/19-07/08/19	RC 374	Hincks B	Closed
60638 002 F2F	--W----	08:00-10:45 AM	06/12/19-07/10/19	RC 374	Hincks B	Closed
60639 003 F2F	--W----	12:00-02:45 PM	06/12/19-07/10/19	RC 374	Hincks B	Closed

*SB 155 Excel in CTE*

*SB 155 Excel in CTE*

*SB 155 Excel in CTE*

CRN	Days	Time	Date	Location	Instructor	Seats Open
60640 351 ONLNE	-----	-	06/10/19-07/21/19	Online	Harn R	Closed

SB 155 Excel in CTE

### CDTP 140 - Desktop Publishing I: InDesign

In this career-related course, students will create page layout documents using a variety of basic techniques on either the Macintosh or PC computer platform. Students will produce text material with complex tabs and indents and style attributes. Upon successful completion of the course, students will also be able to group and distribute multiple elements and demonstrate a basic proficiency with drawing tools, multiple document work, drop caps, text rotation, locking items and threading text blocks. 1 hr. lecture/wk.

**Credit Hours:** 1

**Associated Costs:** \$15 to 90

Outline ([http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP\\_140](http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60641 001 F2F	-T-----	08:00-10:45 AM	06/11/19-07/09/19	RC 374	Hincks B	Closed
60642 351 ONLNE	-----	-	06/10/19-07/21/19	Online	Powers S	Closed

### CDTP 145 - Desktop Illustration I: Illustrator

In this career-related course, students will create basic computer-generated illustrations using a variety of techniques on either the Macintosh or Windows PC computer platform. Students will draw simple paths and shapes, create layers, import graphics and add typographic elements in rows and columns with runarounds, baseline shifts and conversion to outlines. 1 hr. lecture/wk.

**Credit Hours:** 1

**Associated Costs:** \$15 to 90

Outline ([http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP\\_145](http://catalog.jccc.edu/coursedescriptions/cdtp/#CDTP_145))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60643 001 F2F	M-----	08:00-10:45 AM	06/10/19-07/08/19	RC 374	Hincks B	Closed
<i>SB 155 Excel in CTE</i>						
60644 002 F2F	-T-----	12:00-02:45 PM	06/11/19-07/09/19	RC 374	Hincks B	Closed
<i>SB 155 Excel in CTE</i>						

## Chemistry

### CHEM 100 - Preparation for Chemistry

This course is designed for students who have never taken high school chemistry, are struggling with their current chemistry course or have anxiety about chemistry. It is intended to prepare students described above for CHEM 122 or CHEM 124; emphasis on study skills, scientific calculations, problem solving and basic chemical concepts. 3 hrs. lecture/wk.

**Credit Hours:** 3

Outline ([http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_100](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_100))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60471 380 HYB	-----	-	06/10/19-07/25/19	Online	Glass A	Closed
	-T-R---	12:30-02:20 PM	06/11/19-07/25/19	CLB 405		

*Mandatory Classroom Meetings*

NOTE: Late-Start Course. \*COURSE DESCRIPTION: This course is designed for students who have never taken high school chemistry, are struggling with their current chemistry course or have anxiety about chemistry. It is intended to prepare students described above for CHEM 122 or CHEM 124; emphasis on study skills, scientific calculations, problem solving and basic chemical concepts. 3 hrs. lecture/wk.

### CHEM 120 - Chemistry in Society ▶



[Outline \(http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_124\)](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_124)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60480 001 F2F	MTWR---	09:30-11:50 AM	06/03/19-07/25/19	SCI 114	Williams J	Closed
<i>KBOR Seamless Transfer</i> <i>Co-requisite to enroll in CHEM 125 (CRN 60486)</i>						
60481 002 F2F	MTWR---	12:00-02:20 PM	06/03/19-07/25/19	SCI 114	Williams J	Closed
<i>Co-requisite to enroll in CHEM 125 (CRN 60487)</i> <i>KBOR Seamless Transfer CHEM 125 (CRN 60487)</i>						
60482 050 F2F	M-W----	06:00-09:50 PM	06/03/19-07/25/19	SCI 114	Khvostenko D	Closed
	-T-R---	06:00-06:50 PM	06/04/19-07/25/19	SCI 114		
<i>Co-requisite to enroll in CHEM 125 (CRN 60488)</i> <i>KBOR Seamless Transfer CHEM 125 (CRN 60488)</i>						
60484 380 HYB	-----	-	06/03/19-07/25/19	Online	Jacobsen F	Closed
<i>Co-requisite to enroll in CHEM 125 (CRN 60489)</i> <i>Mandatory Classroom Meetings CHEM 125 (CRN 60489)</i> <i>KBOR Seamless Transfer CHEM 125 (CRN 60489)</i> NOTE: The corresponding lab will meet on campus. The lecture tests and the final are taken in the JCCC Testing Center. COURSE DESCRIPTION: Students will relate atomic structure to chemical systems, calculate the amount of material used in chemical reactions, use the periodic table as an aid to understanding chemical systems and interpret chemical reactions. 5 hrs. lecture/wk. Corequisite: CHEM 125. Prerequisite: RDG 126 or College Reading Readiness. Prerequisite or Corequisite: MATH 171 or MATH 173 or placement test.						

60479 381 HYB	-----	-	06/03/19-07/25/19	Online	Glass A	Closed
<i>Co-requisite to enroll in CHEM 125 (CRN 60485)</i> <i>Mandatory Classroom Meetings CHEM 125 (CRN 60485)</i> <i>KBOR Seamless Transfer CHEM 125 (CRN 60485)</i> NOTE: The corresponding lab will meet on campus. The lecture tests and the final are taken in the JCCC Testing Center. COURSE DESCRIPTION: Students will relate atomic structure to chemical systems, calculate the amount of material used in chemical reactions, use the periodic table as an aid to understanding chemical systems and interpret chemical reactions. 5 hrs. lecture/wk. Corequisite: CHEM 125. Prerequisite: RDG 126 or College Reading Readiness. Prerequisite or Corequisite: MATH 171 or MATH 173 or placement test.						

## CHEM 125 - General Chemistry I Lab

Experiments of a qualitative and quantitative nature that support topics from General Chemistry I Lecture will be carried out. Corequisite: CHEM 124. Prerequisite: RDG 126 or College Reading Readiness. Prerequisite or Corequisite: MATH 171 or MATH 173 or placement test.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_125\)](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60486 001 F2F	Lab M-W----	12:00-02:50 PM	06/03/19-07/25/19	SCI 211	Jacobsen F	Closed
<i>KBOR Seamless Transfer</i> <i>Co-requisite to enroll in CHEM 124 (CRN 60480)</i>						
60487 002 F2F	Lab M-W----	09:00-11:50 AM	06/03/19-07/25/19	SCI 211	Jacobsen F	Closed
<i>KBOR Seamless Transfer</i> <i>Co-requisite to enroll in CHEM 124 (CRN 60481)</i>						
60488 050 F2F	Lab -T-R---	07:00-09:50 PM	06/04/19-07/25/19	SCI 211	Khvostenko D	Closed
<i>Co-requisite to enroll in CHEM 124 (CRN 60482)</i> <i>KBOR Seamless Transfer CHEM 124 (CRN 60482)</i>						
60489 380 F2F	Lab M-W----	06:00-08:50 PM	06/03/19-07/25/19	SCI 211	Jacobsen F	Closed
<i>Co-requisite to enroll in CHEM 124 (CRN 60484)</i> <i>KBOR Seamless Transfer CHEM 124 (CRN 60484)</i>						
60485 381 F2F	Lab -T-R---	09:00-11:50 AM	06/04/19-07/25/19	SCI 211	Glass A	Closed
<i>Co-requisite to enroll in CHEM 124 (CRN 60479)</i> <i>KBOR Seamless Transfer CHEM 124 (CRN 60479)</i>						

## CHEM 131 - General Chemistry II Lecture

Chemistry 131 is the second semester of a two-semester course in general chemistry in which the student will develop a working knowledge of some of the fundamental concepts and quantitative relationships involved in the study of chemical reactivity. Topics include solutions, chemical kinetics, chemical equilibrium, acid-base chemistry, chemical thermodynamics, electrochemistry, and nuclear chemistry. Corequisite: CHEM 132. Prerequisite: CHEM 124 and CHEM 125.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_131](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60498 001 F2F	MTWR---	08:00-09:50 AM	06/03/19-07/25/19	GEB 217	Britt S	Closed
<i>Co-requisite to enroll in CHEM 132 (CRN 60504)</i> <i>KBOR Seamless Transfer CHEM 132 (CRN 60504)</i>						
60499 002 F2F	MTWR---	10:00-11:50 AM	06/03/19-07/25/19	GEB 217	Britt S	Closed
<i>Co-requisite to enroll in CHEM 132 (CRN 60505)</i> <i>KBOR Seamless Transfer CHEM 132 (CRN 60505)</i>						
60500 003 F2F	MTWR---	12:00-01:50 PM	06/03/19-07/25/19	GEB 217	Slavin L	Closed
<i>Co-requisite to enroll in CHEM 132 (CRN 60507)</i> <i>KBOR Seamless Transfer CHEM 132 (CRN 60507)</i>						
60501 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	GEB 217	Weems J	Closed
	-T-R---	06:00-06:50 PM	06/04/19-07/25/19	GEB 217		
<i>Co-requisite to enroll in CHEM 132 (CRN 60509)</i> <i>KBOR Seamless Transfer CHEM 132 (CRN 60509)</i>						
60503 380 HYB	-----	-	06/03/19-07/25/19	Online	Franklin P	Closed
<i>KBOR Seamless Transfer</i> <i>Mandatory Classroom Meetings</i> <i>Co-requisite to enroll in CHEM 132 (CRN 60510)</i>						
NOTE: The corresponding lab will meet on campus. The lecture tests and the final are taken in the JCCC Testing Center. . . . . . . . . . COURSE DESCRIPTION: Chemistry 131 is the second semester of a two-semester course in general chemistry in which the student will develop a working knowledge of some of the fundamental concepts and quantitative relationships involved in the study of chemical reactivity. Topics include solutions, chemical kinetics, chemical equilibrium, acid-base chemistry, chemical thermodynamics, electrochemistry, and nuclear chemistry. Corequisite: CHEM 132. Prerequisite: CHEM 124 and CHEM 125.						

## CHEM 132 - General Chemistry II Lab ▶

The laboratory consists of qualitative and quantitative experiments designed to parallel and support General Chemistry II Lecture. Corequisite: CHEM 131 Prerequisite: CHEM 124 and CHEM 125 (Students who withdraw from GENERAL CHEMISTRY II LECTURE must also withdraw from the corresponding laboratory GENERAL CHEMISTRY II LABORATORY. Students may not withdraw from the laboratory course GENERAL CHEMISTRY II LABORATORY without withdrawing from CHEMISTRY II LECTURE).

**Credit Hours: 1**

**Associated Costs: \$60**

Outline ([http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_132](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_132))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60504 001 F2F	Lab -T-R---	10:00-12:50 PM	06/04/19-07/25/19	SCI 213	Maradiaga A	Closed
<i>Co-requisite to enroll in CHEM 131 (CRN 60498)</i> <i>KBOR Seamless Transfer CHEM 131 (CRN 60498)</i>						
60505 002 F2F	Lab M-W----	12:30-03:20 PM	06/03/19-07/25/19	SCI 213	Britt S	Closed
<i>Co-requisite to enroll in CHEM 131 (CRN 60499)</i> <i>KBOR Seamless Transfer CHEM 131 (CRN 60499)</i>						
60507 003 F2F	Lab -T-R---	02:00-04:50 PM	06/04/19-07/25/19	SCI 213	Watson C	Closed
<i>Co-requisite to enroll in CHEM 131 (CRN 60500)</i> <i>KBOR Seamless Transfer CHEM 131 (CRN 60500)</i>						
60509 050 F2F	Lab -T-R---	07:00-09:50 PM	06/04/19-07/25/19	SCI 213	Weems J	Closed
<i>Co-requisite to enroll in CHEM 131 (CRN 60501)</i> <i>KBOR Seamless Transfer CHEM 131 (CRN 60501)</i>						
60510 380 F2F	Lab M-----	05:00-07:00 PM	06/03/19-06/03/19	CLB 112B	Franklin P	Closed
	Lab M-W----	05:00-07:50 PM	06/05/19-07/25/19	SCI 213		

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
<i>Co-requisite to enroll in CHEM 131 (CRN 60503)</i>						

## CHEM 220 - Organic Chemistry I

Organic Chemistry I is an introduction to the theories and principles of the chemistry carbon compounds. The student will develop an understanding of organic chemistry, which will be useful in the studies of chemistry and related fields such as medicine, engineering and pharmacy. The laboratory is supportive in nature, with a strong emphasis on developing laboratory techniques. Representative compounds will be prepared and used to introduce the student to instrumental analysis. Prerequisite: CHEM 131 and CHEM 132.

**Credit Hours: 5**

**Associated Costs: \$80**

Outline ([http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_220](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_220))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60511 001 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	SCI 124	Watson C	Closed
	<b>Lab</b> MTWR---	09:30-12:20 PM	06/03/19-07/25/19	CLB 307		

## CHEM 250 - Biochemistry

This course is an introduction to the major topics in biochemistry. Topics include the major classes of biological molecules, such as proteins, lipids and nucleic acid; an overview of the major metabolic pathways; and developments and topics relating to molecular biology. Prerequisite: CHEM 131 and CHEM 132 and (CHEM 140 or CHEM 220).

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/chem/#CHEM\\_250](http://catalog.jccc.edu/coursedescriptions/chem/#CHEM_250))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60512 001 F2F	MTWR---	08:00-09:50 AM	06/03/19-07/25/19	SCI 112	Lehman W	Closed

## Computer Information Systems

### CIS 124 - Introduction to Computer Concepts and Applications

In this introductory, non-technical computer course, students will learn through hands-on assignments to use current computer technologies to enhance personal and professional productivity. This includes current and emerging computer and Internet technologies, as well as desktop and web-based business applications. Students will learn strategies for evaluating the validity, legitimacy, and productivity potential of future technologies as they emerge, as well as how to assess the privacy risks associated with each. 3 hrs. lecture/wk.

**Credit Hours: 3**

**Associated Costs: \$10 to 15**

Outline ([http://catalog.jccc.edu/coursedescriptions/cis/#CIS\\_124](http://catalog.jccc.edu/coursedescriptions/cis/#CIS_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60813 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Pihl C	Closed

*KBOR Seamless Transfer*

60814 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Short C	Closed
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*KBOR Seamless Transfer*

## CIS 201 - Introduction to Information Systems

This course introduces students to contemporary information systems and demonstrates how these systems are used throughout global organizations. Students will study key information system components and learn how these components are best leveraged by businesses. This course also provides an introduction to systems and development concepts, technology acquisition and various types of emerging or prevalent application software. Prerequisite: ACCT 121.

**Credit Hours:** 3

**Associated Costs:** \$10 to \$15

Outline ([http://catalog.jccc.edu/coursedescriptions/cis/#CIS\\_201](http://catalog.jccc.edu/coursedescriptions/cis/#CIS_201))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60815 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Short C	Closed
60816 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Byers D	Closed

## Cosmetology - Esthetics

### CO 109 - Nail Technology

This course provides skill instruction in determining nail disorders and care as well as the artistic application of tips, overlays and sculptured nails. Upon successful completion, students are prepared to take the Kansas State Board of Cosmetology Manicurist examination. This class meets for 130 Lecture hours, 60 Lab hours and 160 Clinic hours to meet the 350 contact hours required by the Kansas Board of Cosmetology. For enrollment information, call 913-469-8500, ext. 2390. Prerequisite: ENGL 121 with a grade of "C" or higher or RDG 126 with a grade of "C" or higher or an appropriate reading placement test score and department approval.

**Credit Hours:** 16

**Associated Costs:** \$50 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/co/#CO\\_109](http://catalog.jccc.edu/coursedescriptions/co/#CO_109))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60529 209 F2F	---F--	08:00-04:30 PM	06/03/19-06/21/19	🚗 WPK 108	Goebel M Geer K Hinojosa M Henderson D	Closed
	MTWR---	08:00-05:00 PM	06/03/19-06/21/19	🚗 WPK 108		
	---F--	08:00-04:30 PM	06/24/19-08/11/19	🚗 WPK 101		
	-TWR---	08:00-05:00 PM	06/24/19-08/11/19	🚗 WPK 101		
	M-----	08:00-05:00 PM	06/24/19-08/11/19	🚗 WPK 108		

*SB 155 Excel in CTE*

### CO 114 - Cosmetology Business

In this course, students will explore how to begin the process of owning a salon. Coursework is focused on industry networking, professional goal setting, the components of salon ownership, writing a business plan, resume and interviewing skills, salon retailing, and a refresher for state laws and regulations. This course propels students further into the professional salon environment. Students are instructed to practice and perfect their skills in a salon setting, performing all cosmetology services for clients and models, as well as scheduling appointments and practicing salon management. A successful student will have acquired basic skills to fill a position in the field of cosmetology. Total 220 contact hours. For enrollment and tuition information, call 913-469-8500, ext. 2390. Prerequisite: CO 110 with a grade of "C" or higher.

**Credit Hours:** 7

Outline ([http://catalog.jccc.edu/coursedescriptions/co/#CO\\_114](http://catalog.jccc.edu/coursedescriptions/co/#CO_114))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60531 215 F2F	---F--	08:00-04:30 PM	06/10/19-07/25/19	🚗 WPK 101	Goebel M Dye K Geer K Hinojosa M Henderson D	Closed
	--W----	08:00-05:00 PM	06/10/19-07/25/19	🚗 WPK 101		
	MT-----	08:00-05:00 PM	06/10/19-07/25/19	🚗 WPK 177		
	---R---	11:00-08:00 PM	06/10/19-07/25/19	🚗 WPK 101		

This section's title is **Cosmetology Business- Resident**.

*SB 155 Excel in CTE*

CRN	Days	Time	Date	Location	Instructor	Seats Open
60530 S F2F	----F--	08:00-04:30 PM	06/10/19-07/25/19	🚗 WPK 133	Goebel M Dye K Geer K Hinojosa M Henderson D	Closed
	---R---	08:00-05:00 PM	06/10/19-07/25/19	🚗 WPK 133		
	MTW----	08:00-05:00 PM	06/10/19-07/25/19	🚗 WPK 101		

This section's title is **Cosmetology Business- Intern.**

*SB 155 Excel in CTE*

## College Success

### COLL 135 - Career and Life Planning

This course helps students make decisions about their college majors, careers and other life goals. It emphasizes career research as a tool for making current career decisions and meeting changes in the future workplace. Students learn a systematic approach for making career and life decisions based on their personalities, interests, skills, and values.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_135](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60646 001 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 338	Filley D	Closed
60653 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Garcia J	Closed
60654 351 ONLNE	-----	-	06/10/19-07/25/19	Online	Mann V	Closed
60939 353 ONLNE	-----	-	07/01/19-07/25/19	Online	Doyle M	Closed

### COLL 150 - Job Search Skills

This class presents the skills students need to conduct an effective job search, including locating job leads, writing resumés, employment interviewing and job correspondence. Additionally, students will explore the importance of adapting to changes in the workplace to ensure their job survival and success. The class consists of lectures, activities, discussion and exercises in the career planning and job search process.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_150](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_150))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60657 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Quinn L	Closed

### COLL 174 - Learning Strategies for Math

This course teaches thinking and study skills specifically geared toward the learning of math. Students practice these skills on their math textbooks and homework assignments as well as in their math class discussions and lectures. This course also addresses feelings and attitudes that may block math learning and offers strategies and techniques designed to overcome these feelings. College Success courses offer students opportunities to acquire the thinking and learning skills needed to be a successful learner, including reading textbooks, taking notes, organizing information and preparing for tests.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_174](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_174))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60658 001 F2F	MTWR---	11:00-11:50 AM	06/03/19-06/27/19	LIB 303	Putnam T	Closed
60666 350 ONLNE	-----	-	06/10/19-07/21/19	Online	Mann V	Closed

## COLL 176 - College Study Strategies

Upon completion of this course, students will be able to apply a series of strategies for processing college-level information from textbooks and lectures including effective test preparation and taking tests. As the strategies are introduced, students apply them to the content of courses in which they are concurrently enrolled. Upon successful completion of the course, students will have developed a system for learning that can be adapted for use in any learning situation. College Success courses offer students opportunities to acquire the thinking and cognitive skills needed to be a successful learner, including reading textbooks, taking notes, organizing information, and preparing for tests.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_176\)](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_176)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60673 002 F2F	M-W----	09:30-11:30 AM	07/01/19-07/25/19	LIB 305	Krumsick K	Closed
60674 350 ONLNE	-----	-	06/03/19-06/30/19	Online	Doyle M	Closed
60679 351 ONLNE	-----	-	07/01/19-07/25/19	Online	Doyle M	Closed

## COLL 178 - Memory Strategies

In this course, students learn a series of techniques to help them improve their retention and recall of information needed for success in college courses. These techniques provide a systematic approach to learning and remembering. Students immediately use the techniques to learn information from their other college courses. College Success courses offer students opportunities to acquire the thinking and learning skills needed to be a successful learner, including reading textbooks, taking notes, organizing information and preparing for tests.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_178\)](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_178)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60682 001 F2F	-T-R---	12:00-01:30 PM	07/02/19-07/25/19	LIB 303	Woodward S	Closed
60685 350 ONLNE	-----	-	06/03/19-06/30/19	Online	Massman H	Closed
60686 351 ONLNE	-----	-	07/01/19-07/25/19	Online	Doyle M	Closed

## COLL 200 - College Success Strategies

This course provides students with opportunities to develop skills and habits that will help them establish and maintain effective learning systems. Students first learn and practice the learning methods in class and then apply these methods to appropriate situations in their other college coursework. The methods, which are based on valid learning and thinking principles, will help students meet the higher-level demands of the subjects encountered in college courses. College Success courses offer students opportunities to acquire the thinking and learning skills needed to be a successful learner, including reading textbooks, taking notes, organizing information and preparing for tests.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/coll/#COLL\\_200\)](http://catalog.jccc.edu/coursedescriptions/coll/#COLL_200)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60687 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Mann V	Closed
60688 351 ONLNE	-----	-	06/10/19-07/25/19	Online	Massman H	Closed

## Computer Personal Computer App

### CPCA 105 - Introduction to Personal Computers: Windows

This course is designed to give the student an overview of essential personal computer concepts and skills. Current topics include computer terminology, hardware components, system software, application software, file management, email and the internet. Hands-on, real-world projects will be performed to reinforce the concepts taught. 1 hr. lecture /wk.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_105\)](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_105)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60298 350 ONLNE	-----	-	06/05/19-07/03/19	Online	Mahring B	Closed
60299 351 ONLNE	-----	-	06/05/19-07/03/19	Online	Mahring B	Closed

### CPCA 106 - Introduction to Personal Computers: Macintosh

This course is designed to give the student an overview of essential Macintosh (Mac) computer concepts and skills. Current topics include computer terminology, hardware components, operating system software, application software, file management, email and the internet. Hands-on, real-world projects will be performed to reinforce the concepts taught. 1 hr. lecture/wk.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_106\)](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_106)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60300 350 ONLNE	-----	-	06/05/19-07/03/19	Online	Mahring B	Closed

### CPCA 108 - Word Processing I: MS Word

Upon successful completion of this course, students will demonstrate proficiency with word processing software on a personal computer. Foundational word processing competencies, including creating, saving and editing documents; inserting and resizing graphic images; creating and applying styles and themes; creating headers and footers; and setting up tables will be covered. Students will also create multipage reports and incorporate desktop publishing concepts and features. Prerequisite or Corequisite: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_108\)](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_108)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60887 350 ONLNE	-----	-	06/03/19-07/03/19	Online	Mahring B	Closed

Microsoft Word Office 2016

### CPCA 109 - Google Apps

This course provides an introduction to the concepts and real-world applications of Google Apps services and applications. Students will explore the most popular Google Apps on the market today, including Google Email, Google Contacts, Google Calendar, Google Docs, Google Drive and Google Sites. Hands-on, practical projects will be performed to reinforce the concepts taught. Prerequisite or Corequisite: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_109\)](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_109)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60301 350 ONLNE	-----	-	06/05/19-07/03/19	Online	Mahring B	Closed

### CPCA 110 - Spreadsheets I: MS Excel

Upon successful completion of this course, students will demonstrate proficiency with spreadsheet software on the personal computer. Business decision-making worksheet models will be created and modified by entering labels, functions and formulas. Various formatting techniques will be applied to enhance the appearance of printed worksheets. Students will also learn to display the worksheet data graphically with the charting capabilities of the software. Prerequisites or corequisites: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_110\)](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_110)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60303 350 ONLNE	-----	-	06/03/19-06/26/19	Online	Smith C	Closed

Microsoft Excel Office 2016 Note: To additionally enroll in the next level(s) within the sequence of courses, please call 913-469-3803 or stop by the 2nd floor of the Student Success Center. COURSE DESCRIPTION: Upon successful completion of this course, students will demonstrate proficiency with spreadsheet software on the personal computer. Business decision-making worksheet models will be created and modified by entering labels, functions and formulas. Various formatting techniques will be applied to enhance the appearance of printed worksheets. Students will also learn to display the worksheet data graphically with the charting capabilities of the software. Prerequisites or corequisites: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

### CPCA 111 - Spreadsheets II: MS Excel

This course is a continuation of CPCA 110, Spreadsheets I: MS Excel, and will provide the student with intermediate level of spreadsheet concepts. Using typical business scenarios, the student will perform manual and automated "what-if" analyses, manage data in worksheets with tables and database functions and use multiple worksheets to build consolidated statements. Basic macros will be introduced. Prerequisite or Corequisite: CPCA 110 or CPCA 128.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_111](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_111))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60304 350 ONLNE	-----	-	07/03/19-07/24/19	Online	Smith C	Closed

Microsoft Excel Office 2016 COURSE DESCRIPTION: This course is a continuation of CPCA 110, Spreadsheets I: MS Excel, and will provide the student with intermediate level of spreadsheet concepts. Using typical business scenarios, the student will perform manual and automated "what-if" analyses, manage data in worksheets with tables and database functions and use multiple worksheets to build consolidated statements. Basic macros will be introduced. Prerequisite or Corequisite: CPCA 110 or CPCA 128.

### CPCA 118 - Groupware: Outlook

This course provides an introduction to the concepts and applications of today's robust email systems. Students will use the application to compose, send, open and reply to email; organize email; manage calendars; use contact management features; and work with tasks. Prerequisite or Corequisite: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_118](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_118))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60305 350 ONLNE	-----	-	06/05/19-07/03/19	Online	Mahring B	Closed

Microsoft Outlook Office 2016 COURSE DESCRIPTION: This course provides an introduction to the concepts and applications of today's robust email systems. Students will use the application to compose, send, open and reply to email; organize email; manage calendars; use contact management features; and work with tasks. Prerequisite or Corequisite: CPCA 105 or CPCA 106 or CPCA 128 or CIS 124 or an appropriate score on a waiver test.

### CPCA 128 - PC Applications: MS Office

Upon successful completion of this course, students will demonstrate an in-depth proficiency with word processing, spreadsheet, database and presentation graphics applications. Students will use a current operating system to manage windows and applications, and create and organize files and folders. Students will conduct research on the Internet and apply information in secure documents using ethical and social standards of conduct. Hands-on, practical projects will be performed to reinforce the concepts taught.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA\\_128](http://catalog.jccc.edu/coursedescriptions/cpca/#CPCA_128))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60307 350 ONLNE	-----	-	06/06/19-07/25/19	Online	Smith C	Closed

Microsoft Office 2016

60308 351 ONLNE	-----	-	06/06/19-07/25/19	Online	Kosko J	Closed
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Microsoft Office 2016

60310 376 HYB	---R---	11:00-01:45 PM	06/06/19-06/06/19	RC 355	Jarvis B	Closed
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CRN	Days	Time	Date	Location	Instructor	Seats Open
	-----	-	06/06/19-07/25/19	Online		
	---R---	11:00-01:45 PM	06/27/19-06/27/19	RC 355		
	---R---	11:00-01:45 PM	07/11/19-07/11/19	RC 355		
	---R---	11:00-01:45 PM	07/18/19-07/18/19	RC 355		
	---R---	11:00-01:45 PM	07/25/19-07/25/19	RC 355		

Mandatory Classroom Meetings  
Microsoft Office 2016

## Computer Science

### CS 134 - Programming Fundamentals

In this introductory course, students will create interactive computer applications that perform tasks and solve problems. Students will design, develop and test object-oriented programs that utilize fundamental logic, problem-solving techniques and key programming concepts. 3 hrs. lecture, 2 hrs. open lab /wk.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/cs/#CS\\_134](http://catalog.jccc.edu/coursedescriptions/cs/#CS_134))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60818 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Chen I	Closed
<i>SB 155 Excel in CTE</i>						
60819 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hansen S	Closed
<i>SB 155 Excel in CTE</i>						
60820 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Hansen S	Closed
<i>SB 155 Excel in CTE</i>						
60821 376 HYB	M-W----	02:00-04:50 PM	06/03/19-07/24/19	RC 380	Damico B	Closed
	-----	-	06/03/19-07/24/19	Online		
<i>SB 155 Excel in CTE</i>						
<i>Mandatory Classroom Meetings</i>						
60822 377 HYB	M-W----	06:00-08:50 PM	06/03/19-07/24/19	RC 347	Damico B	Closed
	-----	-	06/03/19-07/24/19	Online		
<i>SB 155 Excel in CTE</i>						
<i>Mandatory Classroom Meetings</i>						
60823 378 HYB	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	RC 380	Nagarajan N	Closed
	-----	-	06/04/19-07/25/19	Online		
<i>Mandatory Classroom Meetings</i>						
<i>SB 155 Excel in CTE</i>						

### CS 200 - Concepts of Programming Algorithms Using C++

This course emphasizes problem solving using a high level programming language and the software development process. Algorithm design and development, programming style, documentation, testing and debugging will be presented. Standard algorithms and data structures will be introduced. Data abstraction and an introduction to object-oriented programming will be studied and used to implement algorithms. 3 hrs. lecture, 2 hrs. lab by arrangement/wk. Prerequisite: CS 134 with a grade of "B" or higher or CIS 142 with a grade of "B" or higher or CS 201 or CS 205 or MATH 241 or an appropriate score on department waiver test or department approval.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/cs/#CS\\_200](http://catalog.jccc.edu/coursedescriptions/cs/#CS_200))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60824 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Chen I	Closed
<i>SB 155 Excel in CTE</i>						
Note: Students will be required to take three exams on campus (JCCC Testing Center) during the semester. A certified proctoring center may also be a possibility, but any cost and arrangement are the responsibility of the student.						

CRN	Days	Time	Date	Location	Instructor	Seats Open
60825 376 HYB	M-W----	06:00-08:50 PM	06/03/19-07/24/19	RC 380	Aljanabi A	Closed
	-----	-	06/03/19-07/24/19	Online		

*Mandatory Classroom Meetings  
SB 155 Excel in CTE*

## Dietary Managers

### DIET 151 - Nutrition and Meal Planning

This course covers the food groups and their function and nutritional values as applied to meal planning. Assessment of personal dietary intake will also be explored. In addition to the current trends in nutrition this course covers energy balance, sustainability and nutrition in the life span. This is a required course for the food and beverage management, chef apprenticeship and dietary manager programs.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/diet/#DIET\\_151](http://catalog.jccc.edu/coursedescriptions/diet/#DIET_151))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60001 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Riley M	Closed
<i>KBOR Seamless Transfer</i>						
60005 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Collier R	Closed
<i>KBOR Seamless Transfer</i>						

## Drafting/CAD/AutoCAD

### DRAF 143 - Introduction to BIM Building Information Modeling

This course introduces students to the concepts and usage of BIM: Building Information Modeling in the building construction field. Students will use Building Information Modeling software to interact with a virtual building model. Upon successful completion of this course, students will manipulate the software interface to model, interpret, access data, and view the building model. The student will use the software to model and access plan views, elevations, sections, 3-D views, structural elements, schedules and support files found in a 3-D building model. The REVIT software package is currently used. Prerequisite or Corequisite: DRAF 129.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/draf/#DRAF\\_143](http://catalog.jccc.edu/coursedescriptions/draf/#DRAF_143))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60632 001 F2F	-T----	06:00-09:30 PM	06/04/19-07/23/19	ITC 126	Burton S	Closed
<i>SB 155 Excel in CTE</i>						

### DRAF 152 - 3D Modeling with SketchUp

The course will teach how to model (draft in 3D) with SketchUp, a popular software program. Students will learn how to sketch their ideas for prototypes, floor plans and buildings, embellish a drawing for presentation purposes, make animations of their model, export the model into different file formats and 3D print the model. 2 hrs. lecture/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/draf/#DRAF\\_152](http://catalog.jccc.edu/coursedescriptions/draf/#DRAF_152))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60633 001 F2F	-T-R--	01:30-05:00 PM	06/18/19-07/16/19	ITC 128	Cline L	Closed
<i>SB 155 Excel in CTE</i>						

### DRAF 271 - Drafting Internship I

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. The internship will provide advanced students the opportunity to develop job- and career-related skills while in a work setting. The work will be developed cooperatively with area employers, college staff and each student to provide a variety of actual job experiences directly related to the student's career goals. 15 hrs. min./wk. Prerequisite: Department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/draf/#DRAF\\_271](http://catalog.jccc.edu/coursedescriptions/draf/#DRAF_271))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60634 500 INT	-----	-	06/03/19-07/25/19		Hughes T	Full

*SB 155 Excel in CTE*  
Requirement: Department approval

### DRAF 272 - Drafting Internship II

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. The internship will provide advanced students the opportunity to develop job- and career-related skills while in a work setting. The work will be developed cooperatively with area employers, college staff and each student to provide a variety of actual job experiences directly related to the student's career goals. 15 hrs. min./wk. Prerequisite: DRAF 271 and department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/draf/#DRAF\\_272](http://catalog.jccc.edu/coursedescriptions/draf/#DRAF_272))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60635 500 INT	-----	-	06/03/19-07/25/19		Hughes T	5 of 5

*SB 155 Excel in CTE*  
Requirement: Department approval

### Data Science

#### DS 210 - Introduction to Data Science

In this course students receive an introduction to the main tools and ideas in the data scientist's toolbox. The course gives an overview of the data, questions, techniques and tools that data analysts and data scientists work with. This course provides a conceptual introduction to the ideas behind turning data into actionable knowledge and tools that will be used to analyze this data. The course will cover collecting, cleaning and sharing data. Additionally, this course will cover how to communicate results through visualizations. 3 hrs. lecture/wk.

**Credit Hours: 3**

**Associated Costs:** \$50 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/ds/#DS\\_210](http://catalog.jccc.edu/coursedescriptions/ds/#DS_210))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60826 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Smith S	Closed

### English for Academic Purposes

#### EAP 103 - Writing and Grammar II

This English for Academic Purposes course provides non-native English-speaking students an integrated communicative experience. Students will focus on using American English in writing at the paragraph level along with grammatical structures to help ensure student success. This is the second writing and grammar course in the sequence of courses leading to ENGL 121. Prerequisite: EAP 101 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_103](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_103))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60343 004 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	GEB 379	Aronoff D	Closed

#### EAP 107 - Speaking and Listening II

This English for Academic Purposes course provides non-native English-speaking students the opportunity to expand fluency in speaking, listening and pronunciation. Students will learn effective techniques for listening with accuracy and speaking with the stress, rhythm and intonation of American English. Personal communications and group interactions in academic, career and community settings are included. This is the second speaking course in a sequence of courses leading to ENGL 121. 3 hrs lecture/wk. Prerequisite: EAP 105 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_107](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_107))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60344 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CC 324	Lychnikova E	Closed
60345 003 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 324	Austin K	Closed

### EAP 111 - Writing and Grammar III

This English for Academic Purposes course provides non-native English-speaking students an integrated communicative experience at the high-intermediate level. Students will focus on developing fluency in writing using American English at the paragraph and multiparagraph level along with grammatical structures to support writing. This course is the third writing and grammar course in the sequence of courses leading to ENGL 121. Prerequisite: EAP 103 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_111](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_111))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60346 001 F2F	M-W----	11:00-01:30 PM	06/03/19-07/25/19	CC 316	Forth J	Closed
60347 003 F2F	M-W----	03:15-05:45 PM	06/03/19-07/25/19	CC 324	Milkowart H	Closed

### EAP 113 - Writing and Grammar IV

This English for Academic Purposes course provides non-native English-speaking students the opportunity to improve fluency in American English in writing at the high intermediate to advanced level. Students will engage in writing tasks that relate to the academic disciplines. The course also focuses on grammar activities including editing strategies for effective writing. This is the fourth writing and grammar course in the sequence of courses leading to ENGL 121. Prerequisite: EAP 111 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_113](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_113))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60348 001 F2F	M-W----	08:00-10:30 AM	06/03/19-07/25/19	CC 316	Forth J	Closed
60350 002 F2F	-T-R---	08:00-10:30 AM	06/04/19-07/25/19	CC 316	Magnuson K	Closed
60349 003 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 316	Blackman P	Closed

### EAP 115 - Speaking and Listening III

This English for Academic Purposes course provides non-native English-speaking students the opportunity to enhance fluency in speaking, pronunciation and listening at the upper intermediate level. Students will apply standard American English communication patterns to understand lectures, speak in academic settings and communicate in group interactions. Students will learn effective techniques for presenting formal and informal speeches in specific fields of study and academic debates. This is the third speaking course in a sequence of courses leading to ENGL 121. Prerequisite: EAP 107 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_115](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_115))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60352 001 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	CC 314	Magnuson K	Closed
60353 005 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	CC 329	Walker A	Closed

## EAP 117 - Speaking and Listening IV

This English for Academic Purposes course offers non-native English-speaking students the opportunity to master speaking, pronunciation and listening at an advanced level. Students will apply advanced communication patterns to understand lectures, speak fluently in academic settings and communicate broadly in group interactions. Students will learn effective techniques for applying advanced strategies to process knowledge from specific fields of study and communicate precise meanings of standard American English. This course will allow students the opportunity to give presentations with idiomatic vocabulary from literature, media and research sources. Prerequisite: EAP 115 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_117](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_117))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60357 001 F2F	M-W----	11:00-01:30 PM	06/03/19-07/25/19	CC 314	Walker A	Closed
60355 003 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	CC 316	Milkowart H	Closed
60358 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Nguyen E	Closed

## EAP 121 - Reading and Vocabulary II

This English for Academic Purposes course provides non-native English-speaking students the opportunity to develop reading fluency, comprehension and vocabulary at the intermediate college level. Reading, writing, speaking and listening will be integrated, and students will learn effective techniques for studying and using American English in an academic setting. This is the second reading course in the sequence of courses leading to ENGL 121. Prerequisite: EAP 120 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_121](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60360 003 F2F	-T-R---	03:00-05:30 PM	06/04/19-07/25/19	CC 316	Blackman P	Closed

## EAP 122 - Reading and Vocabulary III

This English for Academic Purposes course provides non-native English-speaking students an integrated communicative experience at the high-intermediate college level. Students will develop reading fluency, comprehension and vocabulary. Reading, writing, speaking and listening will be integrated, and students will learn effective techniques for using American English to read and study in an academic setting. This is the third reading course in the sequence of courses leading to ENGL 121. Prerequisite: EAP 121 or appropriate ESL assessment test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/eap/#EAP\\_122](http://catalog.jccc.edu/coursedescriptions/eap/#EAP_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60361 001 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	CC 324	Lychnikova E	Closed
60362 005 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 329	Thomas S	Closed

## Economics

### ECON 132 - Survey of Economics

Upon successful completion of this course, the student should be able to explain basic macroeconomic and microeconomic theory, fiscal and monetary policies, the role and significance of international economics and government trade and regulatory policies. In addition, the student should be able to describe the characteristics and consequences of the differing business units in the economy, as well as the functioning of the labor market and how national income is distributed. The course is primarily for students who desire a one-semester, nontechnical overview of the basic components of macroeconomic and microeconomic theory and the functioning of the United States economy.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/econ/#ECON\\_132](http://catalog.jccc.edu/coursedescriptions/econ/#ECON_132))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60047 001 F2F	MTWR---	12:30-01:45 PM	06/03/19-07/25/19	OCB 246	Karscig M	Closed
60048 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Christensen K	Closed
60049 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Christensen K	Closed

## ECON 230 - Principles of Macroeconomics

Upon successful completion of this course, the student should be able to use economic terminology and principles to explain and discuss basic macroeconomic concepts, including supply of and demand for products, national income determination, money and banking, and monetary and fiscal policy. The student enrolling in this course should have successfully completed one year of high school algebra or the equivalent.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/econ/#ECON\\_230](http://catalog.jccc.edu/coursedescriptions/econ/#ECON_230))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60051 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	OCB 246	Hamilton T	Closed
<i>KBOR Seamless Transfer</i>						
60052 002 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 254	Karscig M	Closed
<i>KBOR Seamless Transfer</i>						
60064 003 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	OCB 248	Ashworth S	Closed
<i>KBOR Seamless Transfer</i>						
60077 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Copeland D	Closed
<i>KBOR Seamless Transfer</i>						
60082 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Copeland D	Closed
<i>KBOR Seamless Transfer</i>						
60093 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Hadley S	Closed
<i>KBOR Seamless Transfer</i>						
60096 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Clark L	Closed
<i>KBOR Seamless Transfer</i>						
60098 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Clark L	Closed
<i>KBOR Seamless Transfer</i>						
60099 355 ONLNE	-----	-	06/03/19-07/25/19	Online	Young B	Closed
<i>KBOR Seamless Transfer</i>						
60103 356 ONLNE	-----	-	06/03/19-07/25/19	Online	Karscig M	Closed
<i>KBOR Seamless Transfer</i>						

## ECON 231 - Principles of Microeconomics

Upon successful completion of this course, the student should be able to use economic terminology and principles to explain and discuss basic microeconomic concepts, including an extended analysis of product supply and demand, theories of the firm, and product and resource market structures. Students enrolling in this course should have successfully completed one year of high school algebra or the equivalent.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/econ/#ECON\\_231](http://catalog.jccc.edu/coursedescriptions/econ/#ECON_231))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60104 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	OCB 248	Brogna A	Closed
<i>KBOR Seamless Transfer</i>						
60105 002 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	OCB 246	Hamilton T	Closed
<i>KBOR Seamless Transfer</i>						

CRN	Days	Time	Date	Location	Instructor	Seats Open
60108 350 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Copeland D	Closed
60164 351 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Hadley S	Closed
60169 352 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Hadley S	Closed
60170 353 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Owens D	Closed
60171 354 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Brogna A	Closed
60172 355 ONLNE <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Brogna A	Closed
60899 356 ONLNE <i>KBOR Seamless Transfer</i> <i>General Education Designation</i>	-----	-	06/03/19-07/25/19	Online	Owens D	Closed
60920 357 ONLNE <i>General Education Designation</i> <i>KBOR Seamless Transfer</i>	-----	-	06/03/19-07/25/19	Online	Clark L	Closed

## Education and Early Childhood

### EDUC 130 - Foundations of Early Childhood Education

This introductory survey course is designed to provide students with current information on topics relevant to employment in early childhood programs. The course explores the historical and philosophical roots of early childhood education, general principles in child development, the teacher's role, values and ethics in early childhood education, curriculum design, and classroom management. Twenty hours of observation in a group childcare setting are required. Prerequisite: RDG 126 or College Reading Readiness.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/educ/#EDUC\\_130](http://catalog.jccc.edu/coursedescriptions/educ/#EDUC_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60741 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hurst D	Closed

### EDUC 220 - Survey of the Exceptional Child

This course is an overview of the field of special education geared to those who are preparing to work with children and youths with special needs. The course provides fundamental information on the identification and exceptionality, laws and legal cases affecting the delivery of services to individuals with exceptionalities, and the principles of effective educational approaches for each exceptionality. Categories of exceptionality presented include learning disabilities, behavior disorders, gifted and talented, communication disorders, autism, traumatic brain injury, physical disabilities, sensory impairments, other health impairments, and multiple and severe disabilities. Prerequisite: RDG 126 or College Reading Readiness.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/educ/#EDUC\\_220](http://catalog.jccc.edu/coursedescriptions/educ/#EDUC_220))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60743 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Salvato M	Closed
60744 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Salvato M	Closed

## Electronics

## ELEC 134 - DC Circuits

This course covers resistive circuits having DC sources. Analysis topics include Ohm's law, Kirchoff's law, Watt's law, the superposition theorem, Thevenin's theorem and Norton's theorem. The current, voltage and resistance relationships in series, parallel and combination circuits will be studied. Prerequisite or Corequisite: ELEC 120.

**Credit Hours:** 4

Outline ([http://catalog.jccc.edu/coursedescriptions/elec/#ELEC\\_134](http://catalog.jccc.edu/coursedescriptions/elec/#ELEC_134))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60902 001 F2F	M-W----	05:00-06:50 PM	06/03/19-07/24/19	ITC 184	King M	Closed
	Lab M-W----	07:00-09:50 PM	06/03/19-07/24/19	ITC 184		

*SB 155 Excel in CTE*

## Electrical Technology

### ELTE 115 - Print Reading

This course addresses the fundamentals of interpreting construction drawings. Students learn to read specification manuals and prints as applied to electrical installations in residential, commercial and industrial buildings. Prerequisite: Department approval.

**Credit Hours:** 2

Outline ([http://catalog.jccc.edu/coursedescriptions/elte/#ELTE\\_115](http://catalog.jccc.edu/coursedescriptions/elte/#ELTE_115))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60424 001 F2F	M-W----	06:00-08:50 PM	06/03/19-07/24/19	CTE 233	Byrnes J	Closed

*SB 155 Excel in CTE*

Note: This section is open to ELTE majors only

### ELTE 150 - Solar Electric Systems

Solar Electric Systems presents the key components of photovoltaic (PV) conversion systems to produce electricity from sunlight. Solar module types and properties, balance of system components, stand-alone and utility interface, energy management and economics for a variety of PV applications are studied. Prerequisite: ELTE 125.

**Credit Hours:** 4

**Associated Costs:** \$100 to \$200

Outline ([http://catalog.jccc.edu/coursedescriptions/elte/#ELTE\\_150](http://catalog.jccc.edu/coursedescriptions/elte/#ELTE_150))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60426 001 F2F	-T-R---	05:00-06:50 PM	06/04/19-07/25/19	CTE 233	Cranston B	Closed
	Lab -T-R---	07:00-09:50 PM	06/04/19-07/25/19	CTE 233		

*SB 155 Excel in CTE*

Note: This section is open to ELTE majors only COURSE DESCRIPTION: Solar Electric Systems presents the key components of photovoltaic (PV) conversion systems to produce electricity from sunlight. Solar module types and properties, balance of system components, stand-alone and utility interface, energy management and economics for a variety of PV applications are studied. Prerequisite: ELTE 125.

## Emergency Medical Science/MICT

### EMS 121 - CPR I - Basic Life Support for Healthcare Provider

This course provides an overview of the cardiovascular and respiratory systems, a discussion of medical and environmental emergencies leading to the need for CPR, and an introduction to diagnostic signs and triage, as well as insight into the structure and function of the emergency medical services system. The most current practical CPR skills will be taught, including CPR, AED, and airway obstruction techniques for adults, children and infants. Upon successful completion of all American Heart Association standards, the student will receive affirmation at the Healthcare Provider level.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_121](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60024 001 F2F	---R---	06:00-10:00 PM	06/06/19-07/11/19	SCI 101L	Allen D	Closed
	---R---	06:00-10:00 PM	06/06/19-07/11/19	SCI 101M		
	---R---	06:00-10:00 PM	06/06/19-07/11/19	SCI 101N		

*Accelerating Opportunity KS*

60025 002 F2F	--W----	06:00-10:00 PM	06/19/19-07/17/19	SCI 112	Allen D	Closed
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*Accelerating Opportunity KS*

## EMS 128 - EMS First Responder

This course is designed to provide training in emergency medical care for those who are apt to be the first persons responding to an emergency incident. Fire, police, civil defense personnel, school bus drivers, day-care providers, utility workers and industrial workers are a few examples of those persons who would benefit from this training. The student will receive both didactic and psychomotor skills training in CPR, patient assessment, fracture management, airway management and trauma management. Successful completion of this course with a minimum grade of "C" will enable the student to sit for the First Responder certification exam administered by the Kansas Board of Emergency Medical Services. The First Responder course meets the standards for Emergency Medical Responder (EMR) training and testing.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_128](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_128))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60839 002 F2F	MTW----	06:00-10:00 PM	06/03/19-07/24/19	SCI 101L	Allen D Danenberg-Jones M	Closed
	MTW----	06:00-10:00 PM	06/03/19-07/24/19	SCI 101M		
	MTW----	06:00-10:00 PM	06/03/19-07/24/19	SCI 101N		

*SB 155 Excel in CTE*

60838 376 HYB	MT-R---	12:00-04:30 PM	06/03/19-07/25/19	SCI 112	Biggs S	Closed
	-----	-	06/03/19-07/25/19	Online		

*SB 155 Excel in CTE*

## EMS 133 - Emergency Medical Technician Practicum

EMT Practicum is designed to give the newly certified EMT-B the additional skills and confidence needed to successfully compete for a position as an EMT-B with an EMS service. Skills will include ambulance operation, driving, map reading, insurance billing and unit maintenance. This course will also provide high-fidelity scenario training in all aspects of the EMS call as well as extensive field lab time with a local EMS service. Students will participate in realistic medical emergency scenarios with "actors" playing life-like patients and bystanders as well as numerous field internship shifts on a licensed ambulance. Students will work through all phases of an ambulance call. They will be presented with complex patient care situations that require the development of critical thinking and decision-making skills. Students will be tested on their ability to lead a team of pre-hospital caregivers in the diagnosis, proper treatment and evacuation of a patient. Scenario simulations will be set up to be as lifelike as possible. Prerequisite: EMS 131 and a copy of a current EMT-B card.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_133](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_133))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60840 001 F2F	-T-R---	08:30-11:30 AM	06/04/19-08/22/19		Biggs S Giegerich P	Closed

*SB 155 Excel in CTE*

## EMS 140 - Basic Cardiology and EKG Recognition

The health care worker with an understanding of ECG tracing will function more effectively when providing care for the cardiac patient. Increasing numbers of professionals are being called upon to utilize ECG tracing in their work settings, but without adequate knowledge of its use. This course will serve as both continuing education and the preparation for the job entry and/or job advancement. During the course, students will learn to apply monitoring and 12-lead electrodes, diagnose ECG dysrhythmias and infarct locations, treat ECG dysrhythmias, and defibrillate ventricular fibrillation. Prerequisite: Prospective students should be certified in a health profession, i.e., EMT, RN, LPN, EMT-P.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_140](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60841 001 F2F	-T-R--	06:00-09:00 PM	06/04/19-07/25/19	SCI 112	Garcia A	Closed

SB 155 Excel in CTE

## EMS 230 - MICT III Clinicals

MICT III is the third of four courses in advanced out-of-hospital emergency medical care leading to the opportunity to sit for the National Registry Examination for Paramedics. During MICT III, paramedic students have the opportunity to take the knowledge and skills gained in MICT I and II and apply them in actual supervised clinical practice. MICT III represents a brief, intense 14-week course in which knowledge and skills are synthesized and applied to patients under supervision of physicians and nurses in clinical practice in the emergency department, critical care unit, surgery/ recovery room, labor/delivery room, pediatric emergency department and burn center. Field observation lab and classroom and laboratory review are included as well. Prerequisite: EMS 225 with a grade of "C" or higher.

**Credit Hours: 12**

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_230](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_230))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60856 001 F2F	MTWRF--	09:00-04:30 PM	05/28/19-09/01/19	SCI 101L	Wnek S Michel L Craig S	Closed
	MTWRF--	09:00-04:30 PM	05/28/19-09/01/19	SCI 101M		
	MTWRF--	09:00-04:30 PM	05/28/19-09/01/19	SCI 101N		

SB 155 Excel in CTE

## EMS 271 - MICT IV Field Internship

MICT IV is the final of four courses in advanced out-of-hospital emergency medical care leading to the opportunity to sit for the National Registry Examination for Paramedics. During MICT IV, paramedic students have the opportunity to take the knowledge and skills gained in MICT I, II and III and apply them in an actual practice environment. MICT IV represents an intense 4-month course in which knowledge, skills and professional behaviors are synthesized and applied to victims of sudden trauma or medical emergencies under supervision of paramedic preceptors at the emergency scene and in the ambulance. Entry-level competence into the profession is demonstrated as the student demonstrates the ability to assess the scene and the patient, develop a plan for therapeutic intervention as well as scene management, and effectively lead the out-of-hospital resuscitation team's effort. Classroom and laboratory review are included. Prerequisite: EMS 230 with a grade of "C" or higher.

**Credit Hours: 15**

Outline ([http://catalog.jccc.edu/coursedescriptions/ems/#EMS\\_271](http://catalog.jccc.edu/coursedescriptions/ems/#EMS_271))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60857 500 INT	MTWRF--	09:00-04:30 PM	06/07/19-12/09/19	SCI 101H	Wnek S Michel L Craig S	Closed
	MTWRF--	09:00-04:30 PM	06/07/19-12/09/19	SCI 101J		
	MTWRF--	09:00-04:30 PM	06/07/19-12/09/19	SCI 101K		

SB 155 Excel in CTE

## English

### ENGL 106 - Introduction to Writing

Beginning with a review of basic sentence skills, this course focuses on paragraph development, including subject selection, topic sentences, methods of development, transitional devices and effective introductions and conclusions. The last part of the course will focus on developing multi-paragraph essays. This course is in a sequence of courses leading to ENGL 121. Prerequisite: ENGL 102 or an appropriate score on an assessment test.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_106](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_106))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60087 006 F2F	M-W----	12:30-03:00 PM	06/03/19-07/25/19	CC 229	Biondo A	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
60090 010 F2F	-T-R---	09:30-12:00 PM	06/04/19-07/25/19	HCA 115	Brunner L	Closed
60092 012 F2F	-T-R---	01:00-03:30 PM	06/04/19-07/25/19	RC 342	Lillich S	Closed
60095 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Davis D	Closed
60097 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Newton J	Closed

## ENGL 121 - Composition I

Composition I focuses on writing nonfiction prose suitable in its expression and content to both its occasion and its audience. Students will have an opportunity to improve in all phases of the writing process: discovering ideas, gathering information, planning and organizing, drafting, revising and editing. Each text written in the course should clearly communicate a central idea or thesis, contain sufficient detail to be lively and convincing, reflect the voice of the writer and use carefully edited standard written English. By the end of the semester, students should have completed at least 20 pages (approximately 5,000 words) of revised and edited prose. Prerequisite: ENGL 106 or (EAP 113 and EAP 117) or an appropriate placement test score.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_121](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60100 002 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	CC 314	Carpenter W	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer</i>						
60102 005 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CC 217	Bennett S	Closed
<i>KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60109 009 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	CC 329	Boyer J	Closed
<i>KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60637 010 F2F	MTWR---	11:00-01:30 PM	06/03/19-06/27/19	LIB 357	Dixon G	Closed
<i>KBOR Seamless Transfer General Education Designation Accelerating Opportunity KS</i>						
60110 012 F2F	MTWR---	11:00-01:30 PM	07/01/19-07/25/19	LIB 353B	Fitzpatrick M	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer</i>						
60111 015 F2F	MTWR---	12:30-01:45 PM	06/03/19-07/25/19	CC 122	Devictor C	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer</i>						
60112 020 F2F	M-W----	08:00-10:30 AM	06/03/19-07/25/19	CC 215	Gulley B	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer</i>						
60113 022 F2F	M-W----	09:30-12:00 PM	06/03/19-07/25/19	GEB 279	Jackson M	Closed
<i>KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60114 024 F2F	M-W----	11:00-01:30 PM	06/03/19-07/25/19	CC 217	Bennett S	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer</i>						
60117 029 F2F	M-W----	02:00-04:30 PM	06/03/19-07/25/19	CC 217	Way H	Closed
<i>KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60118 031 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	HCA 115	Longfellow B	Closed
<i>KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60120 035 F2F	-T-R---	08:00-10:30 AM	06/04/19-07/25/19	CC 215	Gulley B	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open	
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60121</b>	038 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	CC 215	Schmeer M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60124</b>	040 F2F	-T-R---	04:00-06:30 PM	06/04/19-07/25/19	RC 342	Lillich S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60125</b>	043 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 217	Skidmore P	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60127</b>	350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Browning M	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60128</b>	351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Browning M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60130</b>	352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Davis D	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60131</b>	353 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Chapman C	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60132</b>	354 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Chapman C	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60134</b>	355 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Cooper J	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60135</b>	356 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Reynolds T	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60136</b>	357 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Petrillo S	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60137</b>	358 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Petrillo S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>							
<i>Accelerating Opportunity KS</i>							
<b>60138</b>	359 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Bell S	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60139</b>	360 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Frazier C	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60140</b>	361 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Restivo P	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60141</b>	362 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Restivo P	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60143</b>	363 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Carriger M	<b>Closed</b>
<i>Accelerating Opportunity KS</i>							
<i>KBOR Seamless Transfer</i>							
<b>60144</b>	426 SEL	-----	-	06/03/19-07/30/20	<b>Self Paced</b>	Ganguly Puckett S	<b>Full</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
Note: Enrollment for ENGL 121-426 starts on April 1, 2019 and ends on June 30, 2019. For more information and permission to enroll in this self-paced class, please contact Prof. Ganguly-Puckett at 913 469-8500, ext. 4576 or e-mail her at <a href="mailto:sganguly@jccc.edu">sganguly@jccc.edu</a> .						
Requirement: Department approval						

## ENGL 122 - Composition II

Composition II focuses on skills essential to gathering, comprehending, analyzing, evaluating and synthesizing information from a variety of academic and non-academic sources. Because writing is integral to college coursework and the workplace, this course emphasizes the rhetorical skills needed to understand and produce complex compositions in a variety of forms, which may include essays, presentations, reports, social media posts and other digital forms of communication. Composition II emphasizes the deep revision needed to compose expository, evaluative and persuasive prose. By the end of the semester, students should have completed at least 25 pages (approximately 6,250 words) of revised and edited prose. Prerequisite: ENGL 121.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_122](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60146</b> 002 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	GEB 242	Luthi G	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60149</b> 005 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 242	Luthi G	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60151</b> 009 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 242	Patch C	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60155</b> 012 F2F	MTWR---	08:00-10:30 AM	07/01/19-07/25/19	GEB 338	Fitzpatrick M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60156</b> 015 F2F	M-W----	01:00-03:30 PM	06/03/19-07/25/19	RC 342	Murtaugh D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60184</b> 017 F2F	M-W----	04:00-06:30 PM	06/03/19-07/25/19	CC 215	Murtaugh D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>General Education Designation</i>						
<b>60186</b> 020 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	CC 217	Skidmore P	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60187</b> 030 F2F	-T-R---	08:00-10:30 AM	06/04/19-07/25/19	GEB 213	Small J	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60188</b> 032 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	GEB 381	Small J	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60189</b> 034 F2F	-T-R---	12:30-03:00 PM	06/04/19-07/25/19	HCA 115	Brunner L	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<i>General Education Designation</i>						
<b>60191</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Pace A	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60192</b> 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Pace A	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60193</b> 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Cooper J	<b>Closed</b>
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<b>60194</b> 353 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Kern S	<b>Closed</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60195 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Kern S	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60196 355 ONLNE	-----	-	06/03/19-07/25/19	Online	Davis D	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60197 356 ONLNE	-----	-	06/03/19-07/25/19	Online	Davis D	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60198 357 ONLNE	-----	-	06/03/19-07/25/19	Online	Paldino L	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60199 358 ONLNE	-----	-	06/03/19-07/25/19	Online	Paldino L	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60200 359 ONLNE	-----	-	06/03/19-07/25/19	Online	Heflin R	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60201 360 ONLNE	-----	-	06/03/19-07/25/19	Online	Heflin R	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60203 361 ONLNE	-----	-	06/03/19-07/25/19	Online	Bell S	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60204 362 ONLNE	-----	-	06/03/19-07/25/19	Online	Funari A	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60205 363 ONLNE	-----	-	06/03/19-07/25/19	Online	McBride L	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60206 364 ONLNE	-----	-	06/03/19-07/25/19	Online	Workman C	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60207 365 ONLNE	-----	-	06/03/19-07/25/19	Online	Hart N	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60208 366 ONLNE	-----	-	06/03/19-07/25/19	Online	Funari A	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60210 426 SEL	-----	-	06/03/19-07/30/20	Self Paced	Ganguly Puckett S	1 of 12
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
Note: Enrollment for ENGL 122-426 starts April 1, 2019 and ends June 30, 2019. For more information or permission to enroll in this self-paced class, please contact Prof. Ganguly-Puckett at 913 469-8500, ext. 4576 or e-mail her at sganguly@jccc.edu.						
Requirement: Department approval						

## ENGL 130 - Introduction to Literature

Students will read, discuss and analyze works from three literary genres: the short story, the poem and the play. Students will learn and apply the technical vocabulary used in the criticism of these literary forms. Students will be introduced to representative works from various literary traditions and cultures, including numerous works from contemporary writers. Prerequisite: ENGL 121.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_130](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60211 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hogan Adams M	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60212 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Rollins T	Closed
<i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						

## ENGL 215 - U.S. Latino and Latina Literature

This course introduces students to texts by U.S. writers of Hispanic descent or origin. Written primarily in English, the texts may include fiction, non-fiction, poetry, drama and/or film. The readings, discussions and related writing projects will emphasize the relationship between mainstream America and borderland writers; explore the cultural and artistic context of the writers and their works; recognize and assess the use of major narrative and rhetorical strategies; and stimulate consideration of issues surrounding assimilation, identity formation, code-switching and cultural hybridity. Prerequisite: ENGL 121.

Credit Hours: 3

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_215](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_215))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60215 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Werkmeister S	Closed
<i>General Education Designation</i> <i>Cultural Diversity Designation</i>						

## ENGL 217 - Literature by Women

This survey course introduces students to a representative sample of texts created by women from the mid-seventeenth century to present. Using the lens of gender, students will explore the social, historical, political and cultural contexts relevant to the literature. Further, students will identify significant literary devices and genres as employed by these authors. The course will emphasize the dynamic relationship between the literature and its contexts. Prerequisite: ENGL 121.

Credit Hours: 3

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_217](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_217))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60217 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hogan Adams M	Closed
<i>General Education Designation</i> <i>Cultural Diversity Designation</i>						

## ENGL 230 - Introduction to Fiction

This course features significant opportunities to write about the literature and the reader's response to it. Students will learn the historical fictional precedents of the short story; the similarities and differences between the short story and other narrative forms, such as the novel; the differences between the short story and its historical precedents, between short stories and film adaptations of them, and between commercial and literary short stories. Students will discover the place of short stories in major literary movements, the key elements of short stories and interpretive approaches to short stories. Prerequisite: ENGL 122.

Credit Hours: 3

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_230](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_230))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60219 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Davis D	Closed
<i>General Education Designation</i>						
60221 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Davis D	Closed
<i>General Education Designation</i>						

## ENGL 232 - Children's Literature

Children's Literature is meant for all students interested in bringing children and books together but is especially suited for those who are students with English or education majors; teachers already in the elementary school classroom; parents; those working with children in preschools, day-care centers and libraries; and grandparents and prospective parents. The course would also benefit those exploring the field of writing and illustrating for children. Students will identify children's needs and interests, list the criteria for choosing books for children, and demonstrate the means by which we can bring children and books together. Students will read, examine and critique a variety of children's literature selected by author, genre and historical time period. Prerequisite: ENGL 121.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_232](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_232))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60222 002 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 352	Hodgkin J	Closed

*Cultural Diversity Designation*

## ENGL 236 - British Literature to 1800

In this survey course, the student will study British literature written up to 1800, ranging from the Anglo-Saxon to the Augustan eras, including works by major authors such as Chaucer, Shakespeare, Milton and Swift. The course will emphasize the relationships among influential writers, their lives and times. Additionally, the student will explore the literary differences between the British culture and one other culture that was governed by the British Empire. Such non-British literary works may be from Australia, India, Asia, various regions of Africa or the Middle East. Prerequisite: ENGL 121.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/engl/#ENGL\\_236](http://catalog.jccc.edu/coursedescriptions/engl/#ENGL_236))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60223 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Werkmeister S	Closed

## Entrepreneurship

### ENTR 142 - Business Plan

Upon successful completion of this course, the student will be able to evaluate a business concept and write a sound business plan. In the process of doing so, students will be able to assess the strengths and weaknesses of a business concept, collect and organize market research data into a marketing plan, and prepare the financial projects for their business concept. In addition, students will be able to identify and evaluate various resources available for funding small businesses.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/entr/#ENTR\\_142](http://catalog.jccc.edu/coursedescriptions/entr/#ENTR_142))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60800 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Addessi J	Closed
	M-----	06:00-09:00 PM	06/10/19-06/10/19	RC 342		

### ENTR 215 - Entrepreneurship Internship II

Upon the successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. A minimum of 240 hours of on-the-job training is required. Prerequisite: ENTR 210 and department approval.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/entr/#ENTR\\_215](http://catalog.jccc.edu/coursedescriptions/entr/#ENTR_215))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60802 500 INT	-----	-	06/03/19-07/25/19		Magnant J	19 of 20

## Fashion Merchandising/Design

### FASH 123 - Apparel Construction I

Upon successful completion of this course, the student should be able to apply clothing construction principles, techniques and skills in apparel construction. The class will use lecture, demonstration and hands-on experience to teach the skills needed to plan and construct four garments during this class.

**Credit Hours: 4**

**Associated Costs:** \$100 to 300

Outline ([http://catalog.jccc.edu/coursedescriptions/fash/#FASH\\_123](http://catalog.jccc.edu/coursedescriptions/fash/#FASH_123))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60522 001 F2F	-T-R---	11:00-04:45 PM	06/04/19-07/25/19	OCB 306	Delaney G	Closed

*SB 155 Excel in CTE*

## FASH 124 - Apparel Construction II

Upon successful completion of this course, the student should be able to apply intermediate apparel construction principles, techniques and skills in the production of various garments. This continuation of FASH 123 will focus on the planning and construction of an ensemble of intermediate complexity made from muslin fitting samples, with emphasis on precise fitting alteration. Prerequisite: FASH 123 or department approval.

**Credit Hours: 4**

**Associated Costs:** \$100 to 300

Outline ([http://catalog.jccc.edu/coursedescriptions/fash/#FASH\\_124](http://catalog.jccc.edu/coursedescriptions/fash/#FASH_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60523 001 F2F	M-W----	09:00-02:45 PM	06/03/19-07/25/19	OCB 306	Hillen D	Closed

*SB 155 Excel in CTE*

## FASH 143 - Tailoring

Upon successful completion of this course, the student should be able to apply advanced construction principles, techniques and skills in the production of tailored garments. This course is a continuation of FASH 124, Apparel Construction II. The class will use lecture, demonstration and hands-on experience as the student completes a trial muslin for a jacket or coat plus a finished three-piece ensemble of advanced complexity during this class. Prerequisite: FASH 124.

**Credit Hours: 4**

**Associated Costs:** \$100 to 300

Outline ([http://catalog.jccc.edu/coursedescriptions/fash/#FASH\\_143](http://catalog.jccc.edu/coursedescriptions/fash/#FASH_143))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60524 001 F2F	M-W----	09:00-02:45 PM	06/03/19-07/25/19	OCB 306	Hillen D	Closed

## FASH 150 - Textiles

Upon successful completion of this course, the student should be able to differentiate fibers and fabrics according to their specific characteristics and to select fibers and fabrics for specific applications. In addition, the student should be able to identify properties and characteristics of natural and man-made fibers, the properties and characteristics of yarns, fabric construction methods including weaving and knitting and various finishing processes including printing and dyeing.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/fash/#FASH\\_150](http://catalog.jccc.edu/coursedescriptions/fash/#FASH_150))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60525 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hillen D	Closed

*SB 155 Excel in CTE*

## FASH 282 - Fashion Internship

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual employment opportunity. This course offers work experience under instructional supervision and is designed to provide practical experience in the fashion industry. Successful completion of this course requires a minimum of 180 hours on-the-job training per semester. This is a repeatable course and may be taken more than once for credit.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/fash/#FASH\\_282](http://catalog.jccc.edu/coursedescriptions/fash/#FASH_282))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60526 500 INT	-----	-	06/03/19-07/25/19		Rhodes J	11 of 20
<i>SB 155 Excel in CTE</i>						

## Foreign Language

### FL 130 - Elementary Spanish I

In this basic course, students will study Spanish grammar, conversation, composition and the culture of Spanish-speaking countries.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/fl/#FL\\_130](http://catalog.jccc.edu/coursedescriptions/fl/#FL_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60683 001 F2F	MTWR---	08:00-10:15 AM	06/03/19-07/25/19	CC 344	Finnie J	Closed
<i>KBOR Seamless Transfer</i>						
60690 003 F2F	MTWR---	06:00-08:15 PM	06/03/19-07/25/19	CC 229	Hillen J	Closed
<i>KBOR Seamless Transfer</i>						

### FL 131 - Elementary Spanish II

This course will continue the presentation of the material introduced in Elementary Spanish I. Graded reading selections will be added as a basis for conversation and composition in discussion periods. Placement test recommended: can be taken at the Testing Center. Prerequisite: FL 130 with a grade of "C" or higher or two years of high-school Spanish or an appropriate score on the placement test.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/fl/#FL\\_131](http://catalog.jccc.edu/coursedescriptions/fl/#FL_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60691 001 F2F	MTWR---	10:30-12:45 PM	06/03/19-07/25/19	CC 344	Finnie J	Closed
<i>KBOR Seamless Transfer</i>						

### FL 180 - Elementary American Sign Language I

This class will focus on the development of beginning American Sign Language communication skills. Comprehension skills and linguistic features of the language taught in context will be emphasized. FL 180 and ASL 120 are the same course. Do not enroll in both.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/fl/#FL\\_180](http://catalog.jccc.edu/coursedescriptions/fl/#FL_180))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60733 001 F2F	MTW----	08:00-11:05 AM	06/03/19-07/24/19	GEB 215	Kuhns K	Closed
<i>SB 155 Excel in CTE</i>						
60734 002 F2F	MTW----	06:00-09:05 PM	06/03/19-07/24/19	GEB 215	Symansky R	Closed
<i>SB 155 Excel in CTE</i>						

### FL 230 - Intermediate Spanish I

This course refines grammar, builds vocabulary, increases understanding of Hispanic culture, and provides practice designed to improve speaking fluency. It includes composition and conversation. Placement test recommended; can be taken at the Testing Center. Prerequisite: FL 131 with a grade of "C" or higher or three years of high-school Spanish or an appropriate score on the placement test.

Credit Hours: 3

[Outline \(http://catalog.jccc.edu/coursedescriptions/fl/#FL\\_230\)](http://catalog.jccc.edu/coursedescriptions/fl/#FL_230)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60693 001 F2F	MTWR---	06:00-08:30 PM	06/03/19-06/27/19	CC 323	Gonzalez E	Closed

*KBOR Seamless Transfer  
General Education Designation*

## FL 231 - Intermediate Spanish II

This course refines grammar, builds vocabulary, increases understanding of Hispanic culture, and provides practice designed to improve speaking fluency. It includes more advanced readings as a source for composition and conversation. Placement test recommended; can be taken at the Testing Center. Prerequisite: FL 230 with a grade of "C" or higher or four years of high-school Spanish or an appropriate score on the placement test.

Credit Hours: 3

[Outline \(http://catalog.jccc.edu/coursedescriptions/fl/#FL\\_231\)](http://catalog.jccc.edu/coursedescriptions/fl/#FL_231)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60695 001 F2F	MTWR---	06:00-08:30 PM	07/01/19-07/25/19	CC 323	Sommerville A	Closed

*General Education Designation*

## Game Development

### GAME 104 - Introduction to Game Development

This course covers the basics of game design and production. Topics include the fundamentals of managing game development, development of a plan for a game, the game production process, the history and business of games, and the various job roles in the industry.

Credit Hours: 1

[Outline \(http://catalog.jccc.edu/coursedescriptions/game/#GAME\\_104\)](http://catalog.jccc.edu/coursedescriptions/game/#GAME_104)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60173 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Seymour T	Closed

*SB 155 Excel in CTE*

### GAME 105 - Beginning Game Creation

This course is designed to present the skills and to provide the hands-on experience required to create computer games utilizing game development tools that require no programming. Topics will include learning how to build games with a game development environment, the basic ideas of game design and an introduction to building 3D levels. Students should learn how to build a variety of games, include sound effects and simple animation effects in games, use simple analysis tools to evaluate games, build a 3D level, and create an original game as a term project.

Credit Hours: 3

Associated Costs: \$50

[Outline \(http://catalog.jccc.edu/coursedescriptions/game/#GAME\\_105\)](http://catalog.jccc.edu/coursedescriptions/game/#GAME_105)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60175 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hanna R	Closed

*SB 155 Excel in CTE*

## Graphic Design

### GDES 120 - Introduction to Graphic Design

This course is designed to acquaint the student with the various aspects of the graphic design field. Topics include the ways in which visual messages are used in society, the skills needed by a graphic designer and the potential areas of specialization and employment. This class will have guest speakers from the field of graphic design. Emphasis will be on assisting the student to make an informed decision about graphic design as a career.

**Credit Hours: 3**

**Associated Costs:** \$40 to 50

Outline ([http://catalog.jccc.edu/coursedescriptions/gdes/#GDES\\_120](http://catalog.jccc.edu/coursedescriptions/gdes/#GDES_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60649 001 F2F	-T-----	06:00-08:50 PM	06/04/19-07/25/19	FADS 213	Hawkins P	Closed
	---R---	06:00-08:50 PM	06/06/19-07/25/19	GEB 233		

## GDES 140 - Technical Processes

This course covers digital prepress applications, scanning, image manipulation and color output devices. The transition from conventional to digital production will be covered. Analysis of output and file management and the understanding of proofing systems will be covered. Proper usage of peripheral equipment will be emphasized. Prerequisite: PHOT 121 and CDTP 135 and CDTP 140 and CDTP 145.

**Credit Hours: 3**

**Associated Costs:** \$200 to 400

Outline ([http://catalog.jccc.edu/coursedescriptions/gdes/#GDES\\_140](http://catalog.jccc.edu/coursedescriptions/gdes/#GDES_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60651 001 F2F	--W-F--	12:00-05:15 PM	06/05/19-07/24/19	FADS 216	Nemer T	Closed

*SB 155 Excel in CTE*

## GDES 275 - Graphic Design Internship

Students will work in an approved training situation under instructional supervision. The internship is designed to give the student the opportunity to use the skills learned in the graphic design program. Student interns will complete a minimum of 180 hours on the job and will be compensated with at least the minimum hourly wage. Prerequisite: Department approval.

**Credit Hours: 1**

**Associated Costs:** \$50 to 100

Outline ([http://catalog.jccc.edu/coursedescriptions/gdes/#GDES\\_275](http://catalog.jccc.edu/coursedescriptions/gdes/#GDES_275))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60652 501 INT	-----	-	06/03/19-07/25/19		Wilson N	3 of 8

*SB 155 Excel in CTE*

Requirement: Department approval

## Geoscience

### GEOS 130 - General Geology

In this introductory course the students will survey the geologic processes that form and shape the earth over geologic time using the models of the rock cycle, the hydrologic cycle and the tectonic cycle. In the laboratory they will conduct hands-on activities designed to enhance and reinforce the geologic concepts they have studied.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/geos/#GEOS\\_130](http://catalog.jccc.edu/coursedescriptions/geos/#GEOS_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60269 380 HYB	-----	-	06/03/19-07/25/19	Online	Frederick B	Closed
	Lab -T-R---	06:00-08:50 PM	06/04/19-07/25/19	CLB 411		

CRN	Days	Time	Date	Location	Instructor	Seats Open
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Mandatory Classroom Meetings  
KBOR Seamless Transfer

## GEOS 140 - Physical Geography

This course is a survey of the physical and environmental topics of geography, including the methods used to study them. The Earth as a system and the subsystems of the atmosphere, hydrosphere, lithosphere and biosphere constitute the major units of study. Students will acquire basic terminology that they will use to explain the earth, the atmosphere, the landscape, and the processes that occur on earth to change the landscape. Topics may include mapping with topographic maps and remote sensing; development and structure of the atmosphere; weather; water resources; climate; rock formation; mountain building; chemical and physical weathering; mass movement; soil formation; erosion, transportation and deposition by running water, wind, ice, currents, waves and tides; and the foundation that these processes build for the biosphere on earth.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/geos/#GEOS\\_140](http://catalog.jccc.edu/coursedescriptions/geos/#GEOS_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60259 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Maher J	Closed
60261 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Maher J	Closed

## GEOS 145 - World Regional Geography ▶

In this introductory course, the student will first review the basic theories of the discipline of geography, the relationship of world population and resources and the factors affecting development. Next, the student will survey the major regions of the world to identify each region's distinguishing geographic characteristics, summarize its past development and explain the key issues affecting the region's future development.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/geos/#GEOS\\_145](http://catalog.jccc.edu/coursedescriptions/geos/#GEOS_145))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60263 001 F2F	-T-R---	09:00-11:50 AM	06/04/19-07/25/19	CLB 412	Meledge-Ade V	Closed
<i>KBOR Seamless Transfer</i>						
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
60266 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Meledge-Ade V	Closed
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
60267 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Anderson C	Closed
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<i>Cultural Diversity Designation</i>						
60268 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Roberts C	Closed
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						
<i>Cultural Diversity Designation</i>						

## Health Care

### HC 130 - Medical Terminology for Healthcare Professions ▶

This course will introduce the student to a systematic method for learning, understanding and applying medical terminology. The course will provide an overview regarding the development of medical terms and will outline medical terminology pertaining to each of the body systems, selected illnesses, diagnostic procedures and pharmacology. This course is designed for the student who is interested in any facet of the healthcare industry and is a required course for several certificate programs. Some portions of this course will require computer utilization and independent online work. There will be two to three mandatory meet times per week.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hc/#HC\\_130](http://catalog.jccc.edu/coursedescriptions/hc/#HC_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60726 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Olsen R	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer SB 155 Excel in CTE</i>						
60727 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Olsen R	Closed
<i>SB 155 Excel in CTE KBOR Seamless Transfer Accelerating Opportunity KS</i>						
60728 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Olsen R	Closed
<i>Accelerating Opportunity KS KBOR Seamless Transfer SB 155 Excel in CTE</i>						
60737 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Talbert K	Closed
<i>KBOR Seamless Transfer SB 155 Excel in CTE Accelerating Opportunity KS</i>						
60738 376 HYB	M-----	06:00-07:30 PM	06/03/19-07/25/19	SCI 122	Kono S	Closed
	-----	-	06/03/19-07/25/19	Online		
<i>Mandatory Classroom Meetings KBOR Seamless Transfer Accelerating Opportunity KS SB 155 Excel in CTE</i>						
60739 377 HYB	-----	-	06/03/19-07/25/19	Online	Kono S	Closed
	-T-----	06:00-07:30 PM	06/04/19-07/25/19	SCI 122		
<i>KBOR Seamless Transfer SB 155 Excel in CTE Accelerating Opportunity KS Mandatory Classroom Meetings</i>						
60740 378 HYB	-----	-	06/03/19-07/25/19	Online	Kono S	Closed
	---R---	06:00-07:30 PM	06/06/19-07/25/19	SCI 122		
<i>KBOR Seamless Transfer Mandatory Classroom Meetings Accelerating Opportunity KS SB 155 Excel in CTE</i>						

## Health Care Interpreting

### HCI 180 - Medical Interpreting Practicum

Students will observe and interpret at assigned medical facilities, participate in organized class discussions about their interpreting experiences and develop a personal philosophy of interpreting. Both classroom meetings and fieldwork are required for this class. Prerequisite: Selective admissions approval and HC 130 with a grade of "C" or higher and HCI 130 with a grade of "C" or higher and HCI 140 with a grade of "C" or higher. Prerequisite or Corequisite: HC 101 with a "C" or higher.

**Credit Hours: 2**

**Associated Costs: \$20**

Outline ([http://catalog.jccc.edu/coursedescriptions/hci/#HCI\\_180](http://catalog.jccc.edu/coursedescriptions/hci/#HCI_180))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60735 500 INT	-T-----	04:30-07:30 PM	06/04/19-07/23/19	 KUCRC	Groneman B	Full
	-----	-	06/04/19-07/23/19	Online		

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>Mandatory Classroom Meetings</i>						
<i>SB 155 Excel in CTE</i>						
Note: This class will meet in a classroom located at KU Clinical Research Center, 4350 Shawnee Mission Parkway, Fairway, KS 66205. Contact Brooke Groneman for more information at bgronema@jccc.edu.						
Requirement: Department approval						

## Health Care Info Systems

### HCIS 230 - Introduction to Health Information Systems

This course provides an overview of the major concepts of health information systems for individuals with backgrounds in information technology (IT) or healthcare who are considering a transition into health information systems. 2 hrs. lecture/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS\\_230](http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS_230))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60015 350 ONLNE	-----	-	06/03/19-07/07/19	Online	Kraus A	Closed
<i>SB 155 Excel in CTE</i>						

### HCIS 255 - Technology Concepts in Healthcare

This course provides a basic overview of computing concepts related to the healthcare sector. Topics include computing terminology, computer architecture, and networking and data communication. The design and development of a large healthcare computing system is discussed, including the electronic health record. 2 hrs. lecture/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS\\_255](http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS_255))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60016 350 ONLNE	-----	-	06/03/19-07/07/19	Online	Brooks L	Closed
<i>SB 155 Excel in CTE</i>						

### HCIS 263 - Working with Health Information Technology (HIT) Systems

This course is powered by Cerner architecture to give students an opportunity to work with real technology used in the healthcare environment. This course focuses on the end user experience with emphasis also placed on standards, system usability, security and integration. 2 hrs. integrated lecture/lab/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS\\_263](http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS_263))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60896 350 ONLNE	-----	-	06/03/19-07/07/19	Online	Lingerfelt C	Closed
<i>SB 155 Excel in CTE</i>						

### HCIS 272 - Terminology in Health Care Settings

This course introduces students to terminology and clinical procedures associated with body systems. It also covers terminology related to health information management (HIM), health information technology (HIT), and public health. 2 hrs. lecture/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS\\_272](http://catalog.jccc.edu/coursedescriptions/hcis/#HCIS_272))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60017 350 ONLNE	-----	-	06/03/19-07/07/19	Online	Foley S	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
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SB 155 Excel in CTE

## History

### HIST 125 - Western Civilization: Ancient World to the Renaissance

The course explores the major developments, ideas and personalities that have shaped Western civilization. Organized around a readings and discussion format, students engage some of the world's most provocative and influential literature. Western Civilization: Ancient World to the Renaissance begins with the ancient cultures of the Middle East, Greece and Rome and follows the development of Western thought from the medieval period to the Renaissance and Reformation. It is not necessary to take HIST 125 before HIST 126.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_125](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60696 001 F2F	M-W----	06:00-08:30 PM	06/03/19-07/24/19	GEB 279	Roberts M	Closed

### HIST 135 - Eastern Civilization

This course is an introduction to the societies and cultures of Asia. Through lectures, readings and discussions, the course will focus on aspects of the history, politics, art, literature and economics of China, Japan and India. The major traditional themes and concepts of these civilizations will be stressed.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_135](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60697 351 ONLNE	-----	-	06/03/19-06/30/19	Online	Boucher D	Closed
<i>General Education Designation</i>						
<i>Cultural Diversity Designation</i>						
60698 352 ONLNE	-----	-	07/01/19-07/25/19	Online	Boucher D	Closed
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						

### HIST 140 - U.S. History to 1877

This survey course in U.S. history will emphasize developments and trends in American society from the early period of discovery and settlement through Reconstruction. Topics will include the Colonial era, the Revolutionary period, the Federalist era, the expansion of the Republic during the mid-19th century, and the Civil War and Reconstruction. The emphasis will be on analysis and interpretation of these developments.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_140](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60700 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Harvey D	Closed
<i>KBOR Seamless Transfer</i>						
60701 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Harvey D	Closed
<i>KBOR Seamless Transfer</i>						
60702 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Dobson P	Closed
<i>KBOR Seamless Transfer</i>						
60703 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Thompson M	Closed
<i>KBOR Seamless Transfer</i>						
60921 355 ONLNE	-----	-	06/03/19-07/25/19	Online	Taylor D	Closed
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						

## HIST 141 - U.S. History Since 1877

This survey course will emphasize developments and trends in American society from the 1870s to the late twentieth century. Topics will include the Reconstruction era, industrialization, immigration, reform movements, World Wars I and II, social and cultural trends, and foreign policy. Emphasis will be on analysis and interpretation of these developments.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_141\)](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_141)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60704 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CC 126A	Dobson P	Closed
<i>KBOR Seamless Transfer</i>						
60705 201 F2F	MTWR---	09:30-12:15 PM	07/01/19-07/25/19	CC 126B	Walker B	Closed
<i>KBOR Seamless Transfer</i>						
60706 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Boyle S	Closed
<i>KBOR Seamless Transfer</i>						
60707 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Boyle S	Closed
<i>KBOR Seamless Transfer</i>						
60708 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Domoney J	Closed
<i>KBOR Seamless Transfer</i>						
60709 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Domoney J	Closed
<i>KBOR Seamless Transfer</i>						

## HIST 151 - World History I: Traditional World

This course provides students an introduction to the history of the major world civilizations up to approximately 1500. Upon successful completion of the course, students will be able to identify the major political, social, economic and technical developments in the histories of Egypt, Mesopotamia, other Near Eastern civilizations, Rome, Greece, India, China, sub-Saharan Africa, pre-Columbian America and medieval Europe. Students will be able to define the concept of a traditional, as opposed to a modern, society. They will be able to compare these societies with each another and with the modern society of the contemporary United States.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_151\)](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_151)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60711 352 ONLNE	-----	-	06/03/19-06/30/19	Online	Mack J	Closed
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						

## HIST 152 - World History II: Modern World

This course provides students an introduction to the history of the world since approximately 1500. Upon successful completion, students will be able to describe and analyze the development of modernism, which occurred first in the West, including the scientific revolution, secularism, industrialism and the rise of new political ideologies. They will be able to trace the expansion of modernization in both the Western and non-Western worlds and the response to modernism in non-Western countries.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/hist/#HIST\\_152\)](http://catalog.jccc.edu/coursedescriptions/hist/#HIST_152)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60713 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Tope J	Closed
<i>KBOR Seamless Transfer</i>						
<i>General Education Designation</i>						
<i>Cultural Diversity Designation</i>						
60715 353 ONLNE	-----	-	07/01/19-07/25/19	Online	Mack J	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>Cultural Diversity Designation</i>						
<i>KBOR Seamless Transfer</i>						
<i>General Education Designation</i>						

## Hospitality Management

### HMGT 120 - Food Service Sanitation

This course covers the basic principles of providing and serving safe food. It also provides the student with safe food-handling procedures necessary to manage a sanitary and safe food service operation in compliance with the national Food Code and National Restaurant Association guidelines. The successful completion of the ServSafe Sanitation exam will result in a national sanitation certification.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT\\_120](http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60853 001 F2F	M-----	08:00-04:00 PM	06/10/19-06/17/19	HCA 115	Riley M	Closed

*SB 155 Excel in CTE*

Note: This class only meets on June 10 and June 17. COURSE DESCRIPTION: This course covers the basic principles of providing and serving safe food. It also provides the student with safe food-handling procedures necessary to manage a sanitary and safe food service operation in compliance with the national Food Code and National Restaurant Association guidelines. The successful completion of the ServSafe Sanitation exam will result in a national sanitation certification.

### HMGT 275 - Seminar in Hospitality Management: Internship

This course provides industry experience for students in cooperating businesses, agencies and organizations. While enrolled in this course, a student must work a minimum of 320 hours in an approved position in the hospitality industry. By arrangement. Prerequisite: Admission to the hospitality management program.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT\\_275](http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT_275))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60034 500 INT	-----	-	06/03/19-07/25/19		Bell C	15 of 24

### HMGT 282 - Culinary Arts Practicum II

A qualified chef who is a member of the American Culinary Federation will supervise this on-the-job apprentice training. Upon successful completion of this course, the student should be able to apply food preparation and presentation techniques and gain experience in all phases of food service operation. This course is a continuation of Culinary Arts Practicum I. Prerequisite: HMGT 281.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT\\_282](http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT_282))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60011 501 INT	-----	-	06/03/19-07/25/19		Marcellus J	8 of 10

*SB 155 Excel in CTE*

Requirement: Department approval

### HMGT 286 - Culinary Arts Practicum IV

A qualified chef who is a member of the American Culinary Federation will supervise this on-the-job apprentice training. Upon successful completion of this course, the student should be able to apply food preparation and presentation techniques and gain experience in all phases of food service operation. This course is a continuation of Culinary Arts Practicum III. Prerequisite: HMGT 285.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT\\_286](http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT_286))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60013 503 INT	-----	-	06/03/19-07/25/19		Marcellus J	9 of 10
<i>SB 155 Excel in CTE</i>						
Requirement: Department approval						

## HMGT 287 - Culinary Arts Practicum V

A qualified chef who is a member of the American Culinary Federation will supervise this on-the-job apprentice training. Upon successful completion of this course, the student should be able to apply food preparation and presentation techniques and gain experience in all phases of food service operation. This course is a continuation of Culinary Arts Practicum IV. Prerequisite: HMGT 286.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT\\_287](http://catalog.jccc.edu/coursedescriptions/hmgt/#HMGT_287))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60014 504 INT	-----	-	06/03/19-07/25/19		Marcellus J	7 of 10
<i>SB 155 Excel in CTE</i>						
Requirement: Department approval						

## Honors Program

### HON 250 - Honors Forum: In Search of Solutions

This course will focus on two topics during the semester and how those topics affect the local, national and global communities. The course complements other courses in the curriculum by applying the dual emphases of specific content and skill development to the areas of interaction, analysis, synthesis and conflict resolution. Students will study each issue in a historical and contemporary context, develop a greater understanding of the issues, and take a position on the issues. This position will be subjected to further challenge and dialogue. In this course, the process of reflecting, researching, analyzing and evaluating are as important as content. As points of view concerning the issue are developed, the students must articulate and defend these viewpoints as they are challenged by others and make judgments among alternative options. The first topic is selected by the faculty members, then midway through the semester, the students will select the second topic. This course will require students to use many forms of research, including the Internet and electronic databases. In addition, students will be expected to use e-mail for sharing information with classmates and instructors.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hon/#HON\\_250](http://catalog.jccc.edu/coursedescriptions/hon/#HON_250))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60846 001 F2F	-T-R---	09:00-12:00 PM	07/02/19-07/25/19	GEB 238	Karaim T	Closed

This section's title is **Honors Forum: Community Involvement.**

#### *Honors Course*

Description: This course introduces students to the importance of community involvement, specifically within a college setting, utilizing Johnson County Community College as the main text. Students will learn how colleges serve and benefit from their community and encourage them to think critically about an institutions community relationships. This course will help students develop a better understanding of the communities within a college and the reciprocity between an institution and its community with the aim of students bringing these concepts to their future careers and communities. Note: This is an honors section. Enrollment is by permission, requiring a minimum GPA of 3.5 and department approval. For additional information and permission to enroll, please contact the honors office at [honors@jccc.edu](mailto:honors@jccc.edu)

## Horticulture

### HORT 160 - Garden Center Operations

This course is designed for garden center employees and provides background on the elements necessary for success in a competitive retail environment. The business organization is emphasized, including environmental monitoring, selling, inventory issues, merchandising, advertising, cost effectiveness, labor/team relationships and customer service. In addition, safety and legal issues are examined.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hort/#HORT\\_160](http://catalog.jccc.edu/coursedescriptions/hort/#HORT_160))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60538 380 HYB	-----	-	06/03/19-07/25/19	Online	Boyce B	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
	---R---	06:00-09:00 PM	06/06/19-07/25/19	HSC 121		

*SB 155 Excel in CTE*  
Mandatory Classroom Meetings

## HORT 214 - Woody Plants, Deciduous

The class places emphasis on identification, ornamental characters, site requirements, and use of woody ornamental deciduous trees and shrubs with special emphasis on the cultivated varieties in climatic zones 5 and 6. Plant uses and seasonal effects and influences that affect plant choices will be also be taught. This course will assist the horticulturist, grounds maintenance employee, landscaper, and garden center employee in identifying plant materials used in the landscape.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hort/#HORT\\_214](http://catalog.jccc.edu/coursedescriptions/hort/#HORT_214))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60539 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Sreedhar L	Closed
	Lab -----	-	06/03/19-07/25/19	Online		

*SB 155 Excel in CTE*

## HORT 220 - Herbaceous Plants

This course will focus on the identification, ornamental characters, culture, propagation, and use of herbaceous perennials, bulbs, ground covers, vines and annuals. This course will assist the grounds maintenance employee, landscaper, and garden center employee in identifying and selecting herbaceous plant materials with additional emphasis on uses and maintenance of these plants when used in the landscape.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hort/#HORT\\_220](http://catalog.jccc.edu/coursedescriptions/hort/#HORT_220))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60540 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Seckinger G	Closed
	Lab -----	-	06/03/19-07/25/19	Online		

*SB 155 Excel in CTE*

NOTE: This online course will require testing in the JCCC Testing Center or an approved testing site. \*\*\*COURSE DESCRIPTION: This course will focus on the identification, ornamental characters, culture, propagation, and use of herbaceous perennials, bulbs, ground covers, vines and annuals. This course will assist the grounds maintenance employee, landscaper, and garden center employee in identifying and selecting herbaceous plant materials with additional emphasis on uses and maintenance of these plants when used in the landscape. 2 hrs. lecture, 3 hrs. lab/wk.

## HORT 270 - Horticulture Internship

Student should be able to apply classroom knowledge to an actual work situation. The internship will provide students on-the-job experience under the supervision of professionals in the Horticultural industry. The work will be developed cooperatively with area employers, college staff and each student to provide a job experience in the area of their horticultural focus and career goals. 20 hrs field study. Prerequisite: Department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hort/#HORT\\_270](http://catalog.jccc.edu/coursedescriptions/hort/#HORT_270))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60541 500 INT	-----	-	06/03/19-07/25/19		Sreedhar L	5 of 10

*SB 155 Excel in CTE*

Requirement: Department approval

## Physical Ed, Health & Rec

### HPER 104 - Yoga

This class will utilize techniques from yoga which aim to provide mind/body benefits including better posture and increased body awareness. Muscular strength and flexibility will be developed through poses and positions. This class will be geared toward all students, both beginners as well as those who have previous training. 2 hrs./wk.

**Credit Hours:** 1

**Associated Costs:** \$12 to 15

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_104](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_104))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60285 001 F2F	-T-R---	06:00-07:50 PM	06/04/19-07/25/19	GYM 007	Zickefoose W	Closed

### HPER 134 - Weight Training (Beginning)

In this class, muscular strength and endurance will be developed through weight training activity. A workout program will be implemented for each student. The muscular system, basic terminology of weight training and weight training theory will be discussed. 2 hrs./wk.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_134](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_134))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60803 001 F2F	MTWR---	09:00-09:50 AM	06/03/19-07/25/19	GYM 022	Hall T	Closed

### HPER 135 - Weight Training (Intermediate)

In this class, muscular strength and endurance will be developed. A self-designed and directed resistance workout program will be implemented. The proper use of a training log and personal fitness evaluation techniques will be discussed. Prerequisite: HPER 134.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_135](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60804 001 F2F	MTWR---	09:00-09:50 AM	06/03/19-07/25/19	GYM 022	Hall T	Closed

### HPER 155 - Ballet (Beginning)

This progressive ballet system is designed to produce muscular strength and flexibility and a working knowledge of anatomy, plus the aesthetic satisfaction of expressing yourself through a classical art form. Offered to students of all ages and experience, both beginners as well as those who have had some training. 2 hrs./wk.

**Credit Hours:** 1

**Associated Costs:** \$17 to 30

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_155](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60288 001 F2F	M-W----	01:00-02:50 PM	06/03/19-07/25/19	GYM 007	Phillips D	Closed

### HPER 192 - Wellness for Life

This course introduces students to the theory and principles upon which the concepts of lifetime fitness and wellness are based. Students will examine the relationship that exists between wellness and lifestyle behaviors. Individual self-assessments will be used to establish current health and fitness levels. 1 hr. lecture/wk.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_192](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_192))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
60290 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Carrier D	Closed

Note: The course will incorporate the same content and expectations as the traditional on-campus course. All assignments and tests will be online.

60291 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Carrier D	Closed
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Note: The course will incorporate the same content and expectations as the traditional on-campus course. All assignments and tests will be online.

## HPER 200 - First Aid and CPR

After completing this course, students should be able to perform the basic skills of first aid. The course will cover cause, prevention and first aid care of common emergencies. Certification may be earned in first aid, cardiopulmonary resuscitation and automated external defibrillators (AED). 2 hrs. lecture/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_200](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_200))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60292 001 F2F	MTWR---	09:00-10:50 AM	06/03/19-06/30/19	GYM 021	Pulley T	Closed

*KBOR Seamless Transfer*

## HPER 202 - Personal Community Health

This course is designed to provide the student with the knowledge and understanding to make positive, healthy lifestyle choices. In addition, students will learn about issues within the community that affect their daily health, both directly and indirectly. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_202](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_202))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60296 350 ONLNE	-----	-	06/03/19-06/30/19	Online	Mallory L	Closed

*KBOR Seamless Transfer*  
Note: All assignments and tests will be online.

60294 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Stinson J	Closed
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*KBOR Seamless Transfer*  
Note: All assignments and tests will be online.

60293 353 ONLNE	-----	-	06/03/19-06/30/19	Online	Mallory L	Closed
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*KBOR Seamless Transfer*  
Note: All assignments and tests will be online.

60297 354 ONLNE	-----	-	07/01/19-07/25/19	Online	Mallory L	Closed
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*KBOR Seamless Transfer*  
Note: All assignments and tests will be online.

## HPER 208 - Introduction to Exercise Physiology

This introduction to exercise physiology will introduce the effects of exercise on the muscular system, the cardiovascular system and the metabolic system. The course will prepare the student in the design of and principles for an individual exercise program. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_208](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_208))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60302 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Brethauer S	Closed

## HPER 224 - Outdoor Recreation

This course introduces the student to activities that create interaction between the individual and elements of the outdoor recreational setting. Outdoor Recreation students study the fundamental basics of governmental, private and public control of recreational lands. Outdoor recreation projects include a variety of outdoor activities, such as camping, hiking, nature observation, biking, rock climbing, canoeing, skiing, map and compass, outdoor safety, and how to dress and pack for outdoor adventures. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_224](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_224))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60306 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Burgess C	Closed

Note: During this class students will communicate with the instructor and classmates regarding their outdoor recreational experiences and complete written assignments and tests online.

60309 351 ONLNE	-----	-	07/01/19-07/25/19	Online	Burgess C	Closed
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Note: During this class students will communicate with the instructor and classmates regarding their outdoor recreational experiences and complete written assignments and tests online.

## HPER 240 - Lifetime Fitness I

Lifetime Fitness introduces the student to basic fitness principles, physical activity and the relationship to a healthy lifestyle. This class is designed to provide a variety of physical activity experiences. Students will gain an understanding of the necessary skills needed to develop and implement personal lifestyle improvements related to cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition. Physical activity tracking will be utilized in this course.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_240](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_240))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60311 001 F2F	-----	-	06/03/19-07/25/19	GYM 103	Dey R	Closed

### *Lifetime Fitness*

Note: Lifetime Fitness I requires an initial orientation. Complete your orientation online through Canvas. Orientation must be completed within one week of the start of the course or you will be dropped for non-attendance. After the orientation, the class becomes an open-lab format. If you have further questions contact your instructor.

60312 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Brown S	Closed
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### *Lifetime Fitness*

Note: Lifetime Fitness I requires an initial orientation. Complete your orientation online through Canvas. Orientation must be completed within one week of the start of the course or you will be dropped for non-attendance. All assignments and tests will be online. A heart rate monitor and activity tracker must be used to record exercise. For questions regarding this class, please e-mail the instructor.

## HPER 241 - Lifetime Fitness II

This course is a continuation and expansion of Lifetime Fitness I. Prerequisite: HPER 240.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_241](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_241))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60313 001 F2F	-----	-	06/03/19-07/25/19	GYM 103	Hall T	Closed

### *Lifetime Fitness*

60314 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Brown S	Closed
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### *Lifetime Fitness*

Note: All assignments and tests will be online. A heart rate monitor and activity tracker must be used to record exercise. For questions regarding this class, please e-mail the instructor.

## HPER 255 - Introduction to Physical Education

This course will introduce the student to the field of physical education and sport. This course will discuss the historical, biomechanical, physiological and psychological foundations of physical education and sport. It will examine the role of physical activity as a means to help individuals acquire the skills, fitness levels and knowledge that contribute to the arena of physical development and organized competition. It will also discuss the role physical education and sports play in our society. Each individual will develop a personal philosophy for physical education and sports. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hper/#HPER\\_255](http://catalog.jccc.edu/coursedescriptions/hper/#HPER_255))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60859 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Mallory L	Closed

Note: All assignments and tests will be online.

## Humanities

### HUM 122 - Introduction to Humanities

This interdisciplinary study begins with a look at artistic and technical elements of several art forms, including painting, sculpture, architecture, music, theater, film, dance and literature. Major themes expressed in the works and their reflection of the values of their culture are also examined.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hum/#HUM\\_122](http://catalog.jccc.edu/coursedescriptions/hum/#HUM_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60257 001 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 342	Noble T	Closed
60258 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Garrett M	Closed
60260 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Domoney J	Closed
60262 353 ONLNE	-----	-	06/03/19-07/25/19	Online	McCarty L	Closed

### HUM 145 - Introduction to World Humanities I

This course will acquaint students with the arts and ideas of the world's major civilizations, from antiquity through the Renaissance. The approach will be interdisciplinary, covering the artistic values embodied in painting, sculpture, architecture, literature, theater, music and dance as they have emerged out of their historical contexts. In addition to providing the fundamental principles, methodologies and theories used in the study of the humanities, the course aims to enhance students' understanding of the contemporary world.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hum/#HUM\\_145](http://catalog.jccc.edu/coursedescriptions/hum/#HUM_145))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60264 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Murphy J	Closed

*General Education Designation*  
*Cultural Diversity Designation*

### HUM 155 - Classical Mythology

This course provides a systematic study of the myths and epic cycles of the Greeks and Romans in both literature and art and investigates their survival and metamorphosis in the literature and visual arts of Western Europe. In addition, this course provides several methodological frameworks with which to analyze several types of tales and their relation to history, religion, rituals and art.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hum/#HUM\\_155](http://catalog.jccc.edu/coursedescriptions/hum/#HUM_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60265 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Norcott-Mahany B	Closed

## Heating,Vent.,Air Conditioning

### HVAC 164 - EPA 608 Refrigerant Management

The student should have a complete understanding and knowledge of the characteristics of several different types of refrigerants and the correct usage. Upon completion of this course, the student should be able to pass the examination set forth by a third-party testing facility. Prerequisite: HVAC 105 and HVAC 110.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC\\_164](http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC_164))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60019 001 F2F	----FS-	08:00-05:00 PM	06/07/19-06/08/19	CTE 229	Hendren H	Closed

## HVAC 231 - HVAC Rooftop Units

Topics will include electrical controls and economizers of various rooftop units, roof curbs, installation, service, diagnosis, evacuation and charging of typical light commercial rooftop units. The student will be required to provide ANSI Z87 safety glasses and may be expected to provide other basic hand tools and/or equipment. Prerequisite: HVAC 105 and HVAC 110.

**Credit Hours: 3**

**Associated Costs:** \$30 to 150

Outline ([http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC\\_231](http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC_231))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60018 001 F2F	MTW----	05:30-06:50 PM	06/03/19-07/24/19	CTE 231	Lamping J	Closed
	<b>Lab</b> MTW----	07:00-08:50 PM	06/03/19-07/24/19	CTE 113		
<i>SB 155 Excel in CTE</i>						
60915 002 F2F	-TWR---	01:30-03:10 PM	06/04/19-07/25/19	CTE 231	Lamping J	Closed
	<b>Lab</b> -TWR---	03:15-04:55 PM	06/04/19-07/25/19	CTE 113		

*SB 155 Excel in CTE*

## HVAC 280 - HVAC Internship

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work environment. The internship will provide the students with an on-the-job experience under the supervision of industry professionals. The work will be developed in cooperation with area employers, college staff and each student to provide a variety of actual job experiences directly related to the student's career goals in the HVAC field. Minimum 15 hrs. per week on-the-job training. This is a repeatable course and may be taken more than once for credit. Prerequisite: Department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC\\_280](http://catalog.jccc.edu/coursedescriptions/hvac/#HVAC_280))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60020 501 INT	-----	-	06/03/19-07/25/19		Hendren H	3 of 10
<i>SB 155 Excel in CTE</i>						
Requirement: Department approval						
60021 503 INT	-----	-	06/03/19-07/25/19		Hendren H	3 of 10
<i>SB 155 Excel in CTE</i>						
Requirement: Department approval						

## Industrial Technology

### INDT 125 - Industrial Safety/OSHA 30

Upon successful completion of this course, participants will be able to clearly identify, define and explain general industry hazards and acceptable corrective measures in accordance with the 29th Code of Federal Regulations, Part 1910 (29 CFR 1910), Occupational Safety & Health Administration (OSHA) General Industry Regulations. The OSHA course-completion card can be earned simultaneously with completion of this college course, at the discretion of the student and fulfillment of OSHA's requirements.

**Credit Hours: 3**

**Associated Costs:** \$5-\$20

[Outline \(http://catalog.jccc.edu/coursedescriptions/indt/#INDT\\_125\)](http://catalog.jccc.edu/coursedescriptions/indt/#INDT_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60022 001 F2F	----S-	08:00-05:30 PM	06/08/19-07/06/19	ITC 181	Burks D	Closed

*SB 155 Excel in CTE*

## Information Technology

### IT 120 - CompTIA A+ Practical Applications

Students will gain knowledge required to install, configure and maintain software for end users. This course will also cover the basics of networking as well as networking security/forensics. Students will apply troubleshooting skills to properly and safely diagnose, resolve and document common software issues. Students will also apply appropriate customer support and soft skills, understand the basics of virtualization and examine desktop imaging and deployment. 2 hrs. lecture/wk, 2 hrs. lab/wk, 1 hr. open lab/wk.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/it/#IT\\_120\)](http://catalog.jccc.edu/coursedescriptions/it/#IT_120)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60157 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Lutz A	Closed

*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

60158 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Lutz A	Closed
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*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

### IT 140 - Networking Fundamentals

Networking Fundamentals is the first of four courses in the Cisco Certified Network Associate (CCNA) curriculum. This course introduces the architecture, structure, functions, components, and models of the internet and other computer networks. The principles and structure of Internet Protocol (IP) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple Local Area Network (LANs), perform basic configurations for routers and switches, and implement IP addressing schemes.

**Credit Hours: 4**

[Outline \(http://catalog.jccc.edu/coursedescriptions/it/#IT\\_140\)](http://catalog.jccc.edu/coursedescriptions/it/#IT_140)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60159 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Renfro T	Closed

*SB 155 Excel in CTE*

60160 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Renfro T	Closed
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*SB 155 Excel in CTE*

60161 376 HYB	-T-R---	10:00-11:50 AM	06/04/19-07/25/19	RC 350	Al-Rawi A	Closed
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*Mandatory Classroom Meetings*  
*SB 155 Excel in CTE*

### IT 145 - Routing and Switching Essentials

This course is designed to provide students with a fundamental understanding of network routing and switching. Students successfully completing this course will be able to configure and troubleshoot routers and switches and resolve common issues with Routing Information Protocol (RIP), Access Control Lists (ACLs), Dynamic Host Configuration Protocol (DHCP), Network Address Translation (NAT), Virtual Local Area Networks (VLANs) and inter-VLAN routing in Internet Protocol version 4 and 6 (IPv4 and IPv6) networks. Laboratory exercises will accompany lectures. Prerequisite: IT 140.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/it/#IT\\_145\)](http://catalog.jccc.edu/coursedescriptions/it/#IT_145)

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
60162 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Akkam M	Closed

SB 155 Excel in CTE

## IT 201 - Network Security Fundamentals

This course is designed to provide an introduction to the core security concepts and skills needed for the installation, troubleshooting and monitoring of network devices to maintain the integrity, confidentiality and availability of data and devices. Topics covered include network threats, mitigation techniques, securing network devices, implementing firewall technologies, implementing intrusion prevention, securing local area networks (LANs), implementing virtual private networks (VPNs), and managing a secure network. Hands-on exercises will be used to reinforce the concepts. Prerequisite: IT 145.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/it/#IT\\_201](http://catalog.jccc.edu/coursedescriptions/it/#IT_201))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60163 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Akkam M	Closed

SB 155 Excel in CTE

## IT 209 - Scaling Networks

This course is designed to provide students with the necessary knowledge and skills to interconnect and configure routers and switches in large networks. Students successfully completing this course should be able to perform switch and router administration tasks including installing, configuring and troubleshooting. Students will build networks based on the hierarchical design model supported by Virtual Local Area Networks (VLANs), VLAN Trunking Protocol (VTP), Spanning Tree Protocol (STP), Etherchannel, Hot Standby Redundancy Protocol (HSRP), Open Shortest Path First (OSPF) and Enhanced Interior Gateway Routing Protocol (EIGRP) in Internet Protocol version 4 and 6 (IPv4 and IPv6) networks. Prerequisite: IT 145.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/it/#IT\\_209](http://catalog.jccc.edu/coursedescriptions/it/#IT_209))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60166 376 HYB	-T-R---	06:00-07:50 PM	06/04/19-07/25/19	RC 352	Al-Rawi A	Closed
	-----	-	06/04/19-07/25/19	Online		

Mandatory Classroom Meetings

SB 155 Excel in CTE

## IT 230 - Linux Fundamentals

This course is designed to provide students with a fundamental understanding of the Linux operating system environment. Students successfully completing this course will be able to perform Linux installation and package management; execute common Linux commands and utilities; and accomplish different system tasks such as navigating the filesystem and utilizing the resources of a basic Linux system.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/it/#IT\\_230](http://catalog.jccc.edu/coursedescriptions/it/#IT_230))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60167 376 HYB	M-----	06:00-08:50 PM	06/03/19-07/22/19	RC 346	Sien H	Closed
	-----	-	06/03/19-07/22/19	Online		

SB 155 Excel in CTE

Mandatory Classroom Meetings

## IT 271 - Information Technology Internship I

This course affords the student the opportunity to apply classroom knowledge to an actual work environment. It will provide advanced information technology students with appropriate on-the-job experience with area employers, under instructional oversight, which will promote the student's career goals. Student will work a total of 300 hours a semester at an approved job site. Prerequisites: IT 210 or IT 221 or IT 230 and department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/it/#IT\\_271](http://catalog.jccc.edu/coursedescriptions/it/#IT_271))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60168 500 INT	-----	-	06/03/19-07/25/19		Renfro T	Full

*SB 155 Excel in CTE*  
Requirement: Department approval

## Interior Design

### ITMD 121 - Interior Design I

This course is an introduction to interior design. Upon successful completion of this course, the student should recognize the significance of interior design, apply the elements and principles of design and color theory, use the basis of the design process to solve a design problem and present design information visually and verbally in a professional manner. Finally identify the significance of sustainability in the built environment.

**Credit Hours: 3**

**Associated Costs:** \$50 to \$75

Outline ([http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD\\_121](http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD_121))

Am I ready for this course?

CRN	Days	Time	Date	Location	Instructor	Seats Open
60771 001 F2F	M-W----	09:00-11:45 AM	06/03/19-07/24/19	GEB 351A	Hersch A	Closed

*SB 155 Excel in CTE*

### ITMD 125 - Interior Textiles

This course is an examination of textiles used in the built environment. Upon successful completion of this course, the student should be able to differentiate fibers, yarns and textiles according to their specific characteristics and to select appropriate textiles for applications. Specific course content includes properties and characteristics of natural and man-made fibers; yarn construction, textile construction methods; and various finishing processes. Furthermore, students will study the sustainability of these textile elements. The course will concentrate on textiles designed for interior built environment applications.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD\\_125](http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60772 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hersch A	Closed

*SB 155 Excel in CTE*

### ITMD 231 - History of Interior Design II

This course is an examination of the built environments from approximately the Renaissance to the 20th century. Upon successful completion of this course, the student will be able to analyze and compare elements of the built environment including but not limited to: architecture, interiors, furniture, ornamentation, design motifs and textiles of historical periods from the Renaissance to the 20th century. Additionally, the student should discover the social, religious and political influences on the built environment of each period. The student should also be able to identify the craftsmanship and materials used in the construction techniques of each historical period and correctly use vocabulary related to each era.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD\\_231](http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD_231))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60773 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Green D	Closed

*SB 155 Excel in CTE*

### ITMD 282 - Interiors Internship I

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course consists of supervised work experience in an approved training situation. It is designed to provide practical experience in the interiors industry. A minimum of 160 hours per semester of on-the-job training is required. Prerequisite: ITMD 121 with a grade of "C" or higher.

Credit Hours: 1

[Outline \(http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD\\_282\)](http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD_282)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60774 501 INT	-----	-	06/03/19-07/25/19		Kalkofen B	12 of 20
<i>SB 155 Excel in CTE</i>						

### ITMD 284 - Interiors Internship II

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course consists of supervised work experience in an approved training situation. It is designed to provide practical experience in the interiors industry. A minimum of 160 hours per semester of on-the-job training is required. Prerequisite: ITMD 121 with a grade of "C" or higher.

Credit Hours: 1

[Outline \(http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD\\_284\)](http://catalog.jccc.edu/coursedescriptions/itmd/#ITMD_284)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60775 501 INT	-----	-	06/03/19-07/25/19		Kalkofen B	16 of 20
<i>SB 155 Excel in CTE</i>						

### Journalism/Media Communication

#### JOUR 120 - Mass Media and Society

Each of us is exposed to and affected by the mass media on a daily basis. This course is designed to increase students' awareness of the various media and media's impact on their daily beliefs, opinions, decisions and goals. As a result, students will become more media literate and astute critics of media messages.

Credit Hours: 3

[Outline \(http://catalog.jccc.edu/coursedescriptions/jour/#JOUR\\_120\)](http://catalog.jccc.edu/coursedescriptions/jour/#JOUR_120)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60894 001 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	SCI 218	Dawson-O'Brien S	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i>						
60002 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Thum G	Closed
<i>KBOR Seamless Transfer</i>						
60003 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Thum G	Closed
<i>KBOR Seamless Transfer</i>						
60004 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Schulte M	Closed
<i>KBOR Seamless Transfer</i>						

#### JOUR 269 - Journalism Internship

A journalism/media internship allows students to gain work experience at an approved training center under staff supervision. Emphasis is on learning new skills related to a particular program or department at a media facility. Students may learn the application of writing and production techniques needed to produce video and broadcast news, produce advertising, or public relations promotional copy. On-the-job training includes a minimum of 60 hrs. for the semester by arrangement. Prerequisite: Department approval and completion of 3 credit hours in journalism/media communications coursework with a grade of "C" or higher.

Credit Hours: 1

[Outline \(http://catalog.jccc.edu/coursedescriptions/jour/#JOUR\\_269\)](http://catalog.jccc.edu/coursedescriptions/jour/#JOUR_269)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60808 500 INT	-----	-	06/03/19-07/25/19		Thum G	8 of 10

NOTE: Students meet in Professor Thums office in LIB 301E. For more information on Journalism internships, please contact Prof. Thum, gthum@jccc.edu.  
Requirement: Department approval

## JOUR 270 - Journalism Internship

A journalism/media internship allows students to gain work experience at an approved training center under staff supervision. Emphasis is on learning new skills related to a particular program or department at a media facility. Students may learn the application of writing and production techniques needed to produce video and broadcast news, produce advertising, or public relations promotional copy. On-the-job training includes a minimum of 120 hrs. for the semester by arrangement. Prerequisite: Department approval and completion of 3 credit hours in journalism/media communications coursework with a grade of "C" or higher.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/jour/#JOUR\\_270](http://catalog.jccc.edu/coursedescriptions/jour/#JOUR_270))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60809 500 INT	-----	-	06/03/19-07/25/19		Thum G	9 of 10

NOTE: Students meet in Professor Thums office in LIB 301E. For more information on Journalism internships, please contact Prof. Thum, [gthum@jccc.edu](mailto:gthum@jccc.edu). Requirement: Department approval

## JOUR 271 - Journalism Internship

A journalism/media internship allows students to gain work experience at an approved training center under staff supervision. Emphasis is on learning new skills related to a particular program or department at a media facility. Students may learn the application of writing techniques needed to produce and broadcast news, and produce advertising or public relations promotional copy. On-the-job training involves approximately 15-20 hrs./wk. by arrangement. Prerequisite: Department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/jour/#JOUR\\_271](http://catalog.jccc.edu/coursedescriptions/jour/#JOUR_271))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60810 500 INT	-----	-	06/03/19-07/25/19		Thum G	9 of 10

NOTE: Students meet in Professor Thums office in LIB 301E. For more information on Journalism internships, please contact Prof. Thum, [gthum@jccc.edu](mailto:gthum@jccc.edu). Requirement: Department approval

## Legal Studies

### LAW 120 - Introduction to Paralegal Studies

Upon successful completion of this course, the student should be able to describe the paralegal profession and explain the role of the paralegal in a legal environment, including necessary skills, education and training, common duties, and representative tasks. The student should be able to explain the regulation of the legal profession and ethical issues relevant to attorneys and paralegals. The student should be able to draft a professional resume and design an effective job-search strategy. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/law/#LAW\\_120](http://catalog.jccc.edu/coursedescriptions/law/#LAW_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60532 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Manlove H	Closed

*SB 155 Excel in CTE*

### LAW 121 - Introduction to Law

Upon successful completion of this course, the student should be able to describe the structure and organization of the American legal system and explain its role, functions, and legal powers. The student should be able to explain the fundamental principles of the major subject areas of the law, including criminal law, tort law, contract law, business and employment law, family law, property law, and estate planning and probate law.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/law/#LAW\\_121](http://catalog.jccc.edu/coursedescriptions/law/#LAW_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60533 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Simpson J	Closed
60534 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hawk G	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
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## LAW 275 - Paralegal Internship I

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course consists of supervised work experience in an approved training situation. It is designed to provide practice experience in a legal setting. The student must complete 120 hours of work at the internship site. Obtaining an internship is the responsibility of the individual student. Prerequisite: Admission to the Paralegal program and LAW 120 and LAW 121 or department approval.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/law/#LAW\\_275](http://catalog.jccc.edu/coursedescriptions/law/#LAW_275))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60536 500 INT	-----	-	06/03/19-07/25/19		Manlove H	7 of 8

## LAW 276 - Paralegal Internship II

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course consists of supervised work experience in an approved training situation. It is designed to provide practice experience in a legal setting. The student must complete 120 hours of work at the internship site. Obtaining an internship is the responsibility of the individual student. Prerequisite: Admission to the Paralegal program and LAW 275.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/law/#LAW\\_276](http://catalog.jccc.edu/coursedescriptions/law/#LAW_276))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60537 500 INT	-----	-	06/03/19-07/25/19		Manlove H	4 of 8

## Mathematics

### MATH 111 - Fundamentals of Mathematics

Fundamentals of Mathematics is designed for the student who needs to improve or review basic math skills and concepts. This course includes computation using integers, fractions, decimals, proportions and percents along with an overview of measurement, geometry, statistics and linear equations. Fundamentals of Math provides the mathematical foundation upon which subsequent studies in mathematics and other areas depend. This course is the first in a sequence of courses leading to MATH 116 or higher. Prerequisite: AAC 112 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours:** 3

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_111](http://catalog.jccc.edu/coursedescriptions/math/#MATH_111))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60316 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	OCB 332	Colburn R	Closed
60322 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Fischer E	Closed

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: Fundamentals of Mathematics is designed for the student who needs to improve or review basic math skills and concepts. This course includes computation using integers, fractions, decimals, proportions and percents along with an overview of measurement, geometry, statistics and linear equations. Fundamentals of Math provides the mathematical foundation upon which subsequent studies in mathematics and other areas depend. This course is the first in a sequence of courses leading to MATH 116 or higher. 3 or 5 hrs. lecture/wk. Prerequisite: AAC 112 with a grade of "C" or higher or appropriate score on the math placement test.

60323 450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P Deas M	8 of 10
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CRN	Days	Time	Date	Location	Instructor	Seats Open
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Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor, Mary Deas, at [mdeas@jccc.edu](mailto:mdeas@jccc.edu). For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: Fundamentals of Mathematics is designed for the student who needs to improve or review basic math skills and concepts. This course includes computation using integers, fractions, decimals, proportions and percents along with an overview of measurement, geometry, statistics and linear equations. Fundamentals of Math provides the mathematical foundation upon which subsequent studies in mathematics and other areas depend. This course is the first in a sequence of courses leading to MATH 116 or higher. Prerequisite: AAC 112 with a grade of "C" or higher or appropriate score on the math placement test. Requirement: Department approval

## MATH 115 - Elementary Algebra

This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_115](http://catalog.jccc.edu/coursedescriptions/math/#MATH_115))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60324 011 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 381	Church J	Closed

Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 9:30 a.m. until 11:20 a.m. in the regularly scheduled classroom. The final exam end time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. 3 or 5 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

60326 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	CLB 205	Worthy M	Closed
60327 060 F2F	-T-R---	11:00-01:50 PM	06/04/19-07/25/19	OCB 332	Mages M	Closed

60328 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hatcher D	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. 3 or 5 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

60329 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Dunham J	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. 3 or 5 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

60330 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Hatcher D	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. 3 or 5 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

CRN	Days	Time	Date	Location	Instructor	Seats Open
60331 450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P Deas M Weston M	10 of 20

Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor, Mary Deas, at [mdeas@jccc.edu](mailto:mdeas@jccc.edu). For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: This is a beginning course in algebra, designed to help students acquire a solid foundation in the basic skills of algebra. Students will learn to simplify arithmetic and algebraic expressions, including exponential expressions, polynomials, rational expressions and radical expressions; solve equations and inequalities, including linear equations and quadratic equations; graph linear equations; and analyze linear equations. This course is the first in a sequence of courses leading to MATH 116 or higher. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test. Requirement: Department approval

## MATH 116 - Intermediate Algebra

This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations including linear, quadratic, quadratic in form, as well as those containing rational expressions or radicals; graph linear inequalities in two variables; and analyze functions and non-functions. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs: \$0 to \$100**

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_116](http://catalog.jccc.edu/coursedescriptions/math/#MATH_116))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60332 011 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	GEB 315	Caldwell B	Closed
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 7:30 a.m. until 9:20 a.m. in the regularly scheduled classroom. The final exam start time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.						
60333 012 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 315	Benes S	Closed
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 9:30 a.m. until 11:20 a.m. in the regularly scheduled classroom. The final exam end time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.						
60334 013 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	CLB 211	Thomas M	Closed
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 11:00 a.m. until 12:50 p.m. in the regularly scheduled classroom. The final exam end time is different than the normal class time and room and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.						
60336 040 F2F	M-W----	12:30-03:20 PM	06/03/19-07/25/19	GEB 340	Davis P	Closed
60338 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	CLB 203	Dickey S	Closed
60339 060 F2F	-T-R---	08:00-10:50 AM	06/04/19-07/25/19	CLB 203	Sandner M	Closed
60340 080 F2F	-T-R---	04:30-07:20 PM	06/04/19-07/25/19	CLB 213	White D	Closed
60341 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Lefert K	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

60351	351 ONLNE	-----	-	06/03/19-07/25/19	Online	Lefert K	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

60354	352 ONLNE	-----	-	06/03/19-07/25/19	Online	Lefert K	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

60356	353 ONLNE	-----	-	06/03/19-07/25/19	Online	Fischer E	Closed
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Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. 3 or 5 hrs.lecture/wk. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

60363	450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P Deas M Weston M	13 of 25
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Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor, Mary Deas, at mdeas@jccc.edu. For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) Requirement: Department approval COURSE DESCRIPTION: This course focuses on arithmetic and algebraic manipulation, equations and inequalities, graphs, and analysis of equations and graphs. Students will simplify arithmetic and algebraic expressions, including those containing rational expressions, rational exponents, radicals and complex numbers; solve equations and inequalities including linear, quadratic, quadratic in form, as well as those containing rational expressions, radicals or absolute value; graph linear inequalities; and analyze functions and non-functions. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.  
Requirement: Department approval

## MATH 118 - Geometry

This course is an informal approach to geometry. Topics will include lines, polygons, area, volume, circles, similarity, congruence and coordinate geometry. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours:** 3

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_118](http://catalog.jccc.edu/coursedescriptions/math/#MATH_118))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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60369	450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P Weston M	3 of 5
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CRN	Days	Time	Date	Location	Instructor	Seats Open
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Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor, Phil Veer, at [pveer@jccc.edu](mailto:pveer@jccc.edu). For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: This course is an informal approach to geometry. Topics will include lines, polygons, area, volume, circles, similarity, congruence and coordinate geometry. Prerequisite: MATH 115 with a grade of "C" or higher or appropriate score on the math placement test. Requirement: Department approval

## MATH 120 - Business Mathematics

This is a course for the student who needs specific skills in mathematics to address business problems and business applications. Students will learn the mathematics involved in payroll, retailing, asset valuation, interest, finance, and the time value of money. Students will use a calculator and computer to solve a variety of applications. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$25

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_120](http://catalog.jccc.edu/coursedescriptions/math/#MATH_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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<b>60383</b> 040 F2F	M-W----	08:00-10:50 AM	06/03/19-07/25/19	OCB 332	Sutherland C	<b>Closed</b>
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*Accelerating Opportunity KS*

<b>60384</b> 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	GEB 340	Byrne M	<b>Closed</b>
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*Accelerating Opportunity KS*

<b>60385</b> 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Fischer E	<b>Closed</b>
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*Accelerating Opportunity KS*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a course for the student who needs specific skills in mathematics to address business problems and business applications. Students will learn the mathematics involved in payroll, retailing, asset valuation, interest, finance, and the time value of money. Students will use a calculator and computer to solve a variety of applications. 3 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

<b>60386</b> 353 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Jacobs L	<b>Closed</b>
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*Accelerating Opportunity KS*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a course for the student who needs specific skills in mathematics to address business problems and business applications. Students will learn the mathematics involved in payroll, retailing, asset valuation, interest, finance, and the time value of money. Students will use a calculator and computer to solve a variety of applications. 3 hrs. lecture/wk. Prerequisite: MATH 111 with a grade of "C" or higher or appropriate score on the math placement test.

## MATH 130 - Technical Mathematics I

This course is the first of a two-semester sequence that will introduce the mathematical skills and concepts necessary in technical work. It will focus on the basics of algebra, geometry and their applications. Topics will include operations with polynomials, linear equations, systems of equations, formulas and basic geometry. Prerequisite: MATH 111 with a grade of "C" or higher or an appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_130](http://catalog.jccc.edu/coursedescriptions/math/#MATH_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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<b>60858</b> 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	GEB 315	Caldwell B	<b>Closed</b>
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*General Education Designation*

## MATH 171 - College Algebra

This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. Prerequisite: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_171](http://catalog.jccc.edu/coursedescriptions/math/#MATH_171))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60387</b> 010 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	CLB 205	McCoy M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 7:30 a.m. until 9:20 a.m. in the regularly scheduled classroom. The final exam start time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.						
<b>60388</b> 011 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CLB 205	Haehl M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 9:30 a.m. until 11:20 a.m. in the regularly scheduled classroom. The final exam end time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.						
<b>60389</b> 012 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	CLB 203	Irfan S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 11:00 a.m. until 12:50 p.m. in the regularly scheduled classroom. The final exam end time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.						
<b>60391</b> 040 F2F	M-W----	08:00-10:50 AM	06/03/19-07/25/19	GEB 340	Greenwood J	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60392</b> 041 F2F	M-W----	11:00-01:50 PM	06/03/19-07/25/19	CLB 205	Greenwood J	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60393</b> 050 F2F	M-W----	04:00-06:50 PM	06/03/19-07/25/19	GEB 313	Valle C	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60394</b> 060 F2F	-T-R---	08:00-10:50 AM	06/04/19-07/25/19	OCB 332	Cooper S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60395</b> 080 F2F	-T-R---	12:30-03:20 PM	06/04/19-07/25/19	GEB 340	Cooper S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60396</b> 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	GEB 315	Church J	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60397</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Imm C	<b>Closed</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test

60402	351	ONLNE	-----	-	06/03/19-07/25/19	Online	Imm C	Closed
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test

60403	352	ONLNE	-----	-	06/03/19-07/25/19	Online	Dunham J	Closed
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test

60404	353	ONLNE	-----	-	06/03/19-07/25/19	Online	Imm C	Closed
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.

60405	354	ONLNE	-----	-	06/03/19-07/25/19	Online	Palcic R	Closed
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.

60406	355	ONLNE	-----	-	06/03/19-07/25/19	Online	Hatcher D	Closed
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CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. 3 or 5 hrs./wk. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.						
60407 450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P Deas M	13 of 60

*KBOR Seamless Transfer*

Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor, Mary Deas, at mdeas@jccc.edu. For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will analyze and graph functions, including constant, linear, quadratic, piecewise-defined, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; solve equations and inequalities, including polynomial equations, absolute value equations, radical equations, rational equations, exponential equations, logarithmic equations, systems of linear and non-linear equations and systems of linear inequalities; and apply functions in real-world situations. Prerequisites: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.  
Requirement: Department approval

## MATH 172 - Trigonometry

This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours:** 3

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_172](http://catalog.jccc.edu/coursedescriptions/math/#MATH_172))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60408 010 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	GEB 381	Church J	Closed
<i>KBOR Seamless Transfer</i>						
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 7:30 a.m. until 9:20 a.m. in the regularly scheduled classroom. The final exam start time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. 3 hrs. lecture/wk. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test.						
60409 040 F2F	M-W----	11:00-01:50 PM	06/03/19-07/25/19	OCB 332	Lewis J	Closed
<i>KBOR Seamless Transfer</i>						
Note: The instructor for this class uses the Flipped Classroom format of teaching. Students will be expected to have access to a computer and use videos and a software system to prepare for the classroom discussion and activities. For more information, please contact the instructor at jlewis@jccc.edu. COURSE DESCRIPTION: This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. 3 hrs. lecture/wk. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test.						
60410 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	OCB 332	Dickey S	Closed
<i>KBOR Seamless Transfer</i>						
60411 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Lewis J	Closed
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. 3 hrs. lecture/wk. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test.						
60412 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Lewis J	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. 3 hrs. lecture/wk. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test.						
60413 450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P	8 of 24

*KBOR Seamless Transfer*

Note: Students can begin their study in this self-paced math course at any time between April 1, 2019 and June 30, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor Phil Veer, at [pveer@jccc.edu](mailto:pveer@jccc.edu). For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/mathematics/self-paced.html> (<http://www.jccc.edu/mathematics/self-paced.html>) COURSE DESCRIPTION: This is a course in trigonometric functions and graphs. Emphasis will be on understanding function notation, definitions, algebraic relations, real-world applications, graphing in the real and complex plane, inverse functions, polar functions and vectors. Prerequisite: MATH 171 with a grade of "C" or higher or appropriate score on the math placement test. Requirement: Department approval

## MATH 173 - Precalculus

MATH 173 is an accelerated course recommended for students with a strong high school math background (three to four years) who plan to take calculus. This course focuses on the study of functions and their graphs, solving equations and inequalities, recognition and creation of patterns, and the use of mathematical models. Included in the course are linear, power, polynomial, rational, radical, exponential, logarithmic, trigonometric and absolute value functions. Prerequisite: MATH 116 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 5**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_173](http://catalog.jccc.edu/coursedescriptions/math/#MATH_173))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60414 010 F2F	MTWR---	08:00-10:15 AM	06/03/19-07/25/19	GEB 313	Balman B	Closed

## MATH 181 - Statistics

This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. Prerequisite: MATH 171 with a grade of "C" or higher or MATH 173 with a grade of "C" or higher or appropriate score on the math placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_181](http://catalog.jccc.edu/coursedescriptions/math/#MATH_181))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60416 011 F2F	MTWR---	08:00-09:15 AM	06/03/19-07/25/19	CLB 209	Palmer B	Closed

*KBOR Seamless Transfer*

Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 7:30 a.m. until 9:20 a.m. in the regularly scheduled classroom. The final exam start time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.

60417 012 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CLB 213	Shehab S	Closed
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CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
Note: The class listed above has a 1 hour 50 minute final exam. The final exam is scheduled for Thursday, July 25th from 9:00 a.m. until 10:50 a.m. in the regularly scheduled classroom. The final exam start time is different than the normal class time and may conflict with another class you are considering. If you have a conflict, your math professor will work with you to resolve it. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.						
60736 040 F2F	M-W----	11:00-01:50 PM	06/03/19-07/25/19	CLB 213	Haverhals E	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60418 041 F2F	M-W----	12:30-03:20 PM	06/03/19-07/25/19	CLB 209	Shehab S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60419 050 F2F	M-W----	06:00-08:50 PM	06/03/19-07/25/19	CLB 213	Shehab S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60420 060 F2F	-T-R--	11:00-01:50 PM	06/04/19-07/25/19	CLB 213	Haverhals E	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60422 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Jacobs L	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.						
60423 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Cooper B	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.						
60425 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Gibbs A	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.						
60428 353 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Palcic R	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.						
60429 354 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Palcic R	<b>Closed</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open		
<b>60430</b>	355	ONLNE	-----	-	06/03/19-07/25/19	Online	Gibbs A	Closed

*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.

<b>60725</b>	356	ONLNE	-----	-	06/03/19-07/25/19	Online	Jacobs L	Closed
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*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test.

<b>60431</b>	450	SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P	17 of 29
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*KBOR Seamless Transfer*

Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor Phil Veer, at pveer@jccc.edu. For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: This is a beginning course in statistical analysis, the skill of making sense of raw data, constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, distributions, hypothesis testing, regression and correlation. Use of technology will be incorporated into course topics. 3 hrs. lecture/wk. Prerequisite: MATH 171 or MATH 173 or an equivalent course with a grade of "C" or higher or appropriate score on the math placement test. Requirement: Department approval

## MATH 231 - Business and Applied Calculus I

This is the first course in calculus as it applies to business; the social, behavioral and biomedical sciences; and other fields. Concepts include measuring the slope of a curve, writing equations of tangent lines, finding maximum and minimum points, determining the rate of change of a function, and measuring the area under a curve. Algebraic skills and application problems are stressed. Specific calculus topics include finding limits; differentiation of algebraic, exponential and logarithmic functions; and integration of algebraic and exponential functions. Trigonometry (MATH 172) can be taken concurrently with MATH 231 for those students planning to enroll in MATH 232 in subsequent semesters. Prerequisite: MATH 171 with a grade of "C" or higher or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_231](http://catalog.jccc.edu/coursedescriptions/math/#MATH_231))

CRN	Days	Time	Date	Location	Instructor	Seats Open		
<b>60433</b>	040	F2F	M-W----	08:00-10:50 AM	06/03/19-07/25/19	CLB 203	Wainwright F	Closed
<i>KBOR Seamless Transfer</i>								
<b>60434</b>	050	F2F	M-W----	04:30-07:20 PM	06/03/19-07/25/19	GEB 340	Wainwright F	Closed
<i>KBOR Seamless Transfer</i>								
<b>60435</b>	060	F2F	-T-R---	08:00-10:50 AM	06/04/19-07/25/19	GEB 340	Sutherlin C	Closed
<i>KBOR Seamless Transfer</i>								
<b>60436</b>	061	F2F	-T-R---	11:00-01:50 PM	06/04/19-07/25/19	GEB 313	Sutherlin C	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
60437 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	GEB 313	Sutherland C	Closed
<i>KBOR Seamless Transfer</i>						
60438 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Dunham J	Closed

*KBOR Seamless Transfer*

Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is the first course in calculus as it applies to business; the social, behavioral and biomedical sciences; and other fields. Concepts include measuring the slope of a curve, writing equations of tangent lines, finding maximum and minimum points, determining the rate of change of a function, and measuring the area under a curve. Algebraic skills and application problems are stressed. Specific calculus topics include finding limits; differentiation of algebraic, exponential and logarithmic functions; and integration of algebraic and exponential functions. Trigonometry (MATH 172) can be taken concurrently with MATH 231 for those students planning to enroll in MATH 232 in subsequent semesters. 3 hrs. lecture/wk. Prerequisites: MATH 171 or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test.

60439 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Cooper B	Closed
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is the first course in calculus as it applies to business; the social, behavioral and biomedical sciences; and other fields. Concepts include measuring the slope of a curve, writing equations of tangent lines, finding maximum and minimum points, determining the rate of change of a function, and measuring the area under a curve. Algebraic skills and application problems are stressed. Specific calculus topics include finding limits; differentiation of algebraic, exponential and logarithmic functions; and integration of algebraic and exponential functions. Trigonometry (MATH 172) can be taken concurrently with MATH 231 for those students planning to enroll in MATH 232 in subsequent semesters. 3 hrs. lecture/wk. Prerequisites: MATH 171 or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test.						

60440 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Cooper B	Closed
<i>KBOR Seamless Transfer</i>						
Note: In this online course, it is expected that students will work daily for a total of at least 20 hours each week in order to meet all deadlines. One or more exams will be taken in a proctored setting. Students should possess strong computer skills, be self-motivated, and be good self-learners. Students will use the internet to access course materials, submit work, communicate with the instructor, and other activities. This is NOT a self-paced course. Some instructors require the JCCC Distance Learning Orientation. For more information, contact the instructor. COURSE DESCRIPTION: This is the first course in calculus as it applies to business; the social, behavioral and biomedical sciences; and other fields. Concepts include measuring the slope of a curve, writing equations of tangent lines, finding maximum and minimum points, determining the rate of change of a function, and measuring the area under a curve. Algebraic skills and application problems are stressed. Specific calculus topics include finding limits; differentiation of algebraic, exponential and logarithmic functions; and integration of algebraic and exponential functions. Trigonometry (MATH 172) can be taken concurrently with MATH 231 for those students planning to enroll in MATH 232 in subsequent semesters. 3 hrs. lecture/wk. Prerequisites: MATH 171 or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test.						

## MATH 232 - Business and Applied Calculus II

This is the second course in a two-semester series on calculus that covers five techniques of integration, differentiation and integration of trigonometric functions, differential equations, and functions of several variables as applied to business, statistics, biology and the social sciences. Prerequisite: MATH 231 and (MATH 172 with a grade of "C" or higher or MATH 173 with a grade of "C" or higher) or an appropriate score on the math placement test.

**Credit Hours:** 3

**Associated Costs:** \$0 to 100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_232](http://catalog.jccc.edu/coursedescriptions/math/#MATH_232))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60441 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	CLB 205	Dunham J	Closed

## MATH 241 - Calculus I

This is the first of a three-semester sequence on calculus designed for engineering, physics and math majors. Rates of change and areas will be studied. To accomplish this, the students will study and apply limits and continuity. Differentiation and integration of algebraic, trigonometric and transcendental functions will also be a major focus of this course. Prerequisite: (MATH 171 with a grade of "C" or higher and MATH 172 with a grade of "C" or higher) or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test.

**Credit Hours:** 5

**Associated Costs:** \$0 to \$100

[Outline \(http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_241\)](http://catalog.jccc.edu/coursedescriptions/math/#MATH_241)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60442 001 F2F	MTWR---	08:00-10:15 AM	06/03/19-07/25/19	CLB 207	Harris R	Closed
<i>KBOR Seamless Transfer</i>						
60443 002 F2F	MTWR---	11:00-01:15 PM	06/03/19-07/25/19	CLB 207	Balman B	Closed
<i>KBOR Seamless Transfer</i>						
60444 003 F2F	MTWR---	01:30-03:45 PM	06/03/19-07/25/19	CLB 207	Haehl M	Closed
<i>KBOR Seamless Transfer</i>						
60446 450 SEL	-----	-	06/03/19-07/30/20	Self Paced	Veer P	Full

*KBOR Seamless Transfer*

Note: Summer students can begin their study in this self-paced math course up through July 1, 2019, however pre-approval to enroll is required. To begin the pre-approval process, contact the instructor Phil Veer, at [pveer@jccc.edu](mailto:pveer@jccc.edu). For more information and a link to the course syllabus and self-paced application see <http://www.jccc.edu/academics/math-science/mathematics/self-paced.html> (<http://www.jccc.edu/academics/math-science/mathematics/self-paced.html>) COURSE DESCRIPTION: This is the first of a three-semester sequence on calculus designed for engineering, physics and math majors. Rates of change and areas will be studied. To accomplish this, the students will study and apply limits and continuity. Differentiation and integration of algebraic, trigonometric and transcendental functions will also be a major focus of this course. Prerequisites: Either (MATH 171 and MATH 172 with a grade of "C" or higher) or MATH 173 with a grade of "C" or higher or an appropriate score on a placement test  
Requirement: Department approval

## MATH 242 - Calculus II

This is the second course of a three-semester sequence on calculus. Integration is covered with an emphasis on analytical, numerical, and graphical methods. Techniques of integration are used to solve scientific and geometric applications. Infinite series are analyzed for convergence and applied to the representation of functions. Prerequisite: MATH 241 with a grade of "C" or higher.

**Credit Hours: 5**

[Outline \(http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_242\)](http://catalog.jccc.edu/coursedescriptions/math/#MATH_242)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60447 001 F2F	MTWR---	09:30-11:45 AM	06/03/19-07/25/19	CLB 403	Grondahl R	Closed
60448 002 F2F	MTWR---	01:30-03:45 PM	06/03/19-07/25/19	CLB 403	Grondahl R	Closed
60449 003 F2F	MTWR---	06:00-08:15 PM	06/03/19-07/25/19	CLB 403	Houghton J	Closed

## MATH 243 - Calculus III

This is the third course in a three-semester sequence on analytic geometry and calculus. Topics include vector-valued functions, functions of several variables, multiple integration, and vector analysis. Prerequisite: MATH 242 with a grade of "C" or higher.

**Credit Hours: 5**

**Associated Costs:** \$0 to \$100

[Outline \(http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_243\)](http://catalog.jccc.edu/coursedescriptions/math/#MATH_243)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60450 001 F2F	MTWR---	08:00-10:15 AM	06/03/19-07/25/19	CLB 211	Irfan S	Closed
60451 002 F2F	MTWR---	01:30-03:45 PM	06/03/19-07/25/19	CLB 211	Valle C	Closed
60452 003 F2F	MTWR---	06:00-08:15 PM	06/03/19-07/25/19	CLB 211	Baldwin R	Closed

## MATH 246 - Elementary Linear Algebra

This sophomore-level introduction to linear algebra uses a matrix-oriented approach, with an emphasis on problem solving and applications. The course focus is on matrix arithmetic, systems of linear equations, properties of Euclidean n-space, eigenvalues and eigenvectors, orthogonality and vector spaces. Students are expected to use technology for matrix operations. Prerequisite: MATH 242 with a grade of "C" or higher.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_246](http://catalog.jccc.edu/coursedescriptions/math/#MATH_246))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60453 090 F2F	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	CLB 203	Valle C	Closed

## MATH 254 - Differential Equations

This course will cover standard types of equations that involve rates of change. In particular, this is an introductory course in equations that involve ordinary derivatives. Both qualitative and quantitative approaches will be used. Standard types and methods will be covered, including Laplace transforms, infinite series, and numerical methods. Basic linear algebra will be developed to solve systems of differential equations. Prerequisite: MATH 243 with a grade of "C" or higher.

**Credit Hours:** 4

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_254](http://catalog.jccc.edu/coursedescriptions/math/#MATH_254))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60454 040 F2F	MTWR---	01:00-02:50 PM	06/03/19-07/25/19	CLB 203	Houghton J	Closed

## MATH 285 - Statistics for Business

This is a beginning course in calculus-based statistical analysis with an emphasis on applications to business. The skill of making sense of raw data is important, and includes constructing graphical representations of data, developing models for making predictions, performing tests to determine significant change and finding intervals for population values. Students will learn the basics of descriptive statistics, probability, sampling, confidence intervals, hypothesis testing, linear regression, and an introduction to quality control. Students must have an understanding of calculus concepts in order to successfully complete this course. Prerequisite: MATH 231 with a grade of "C" or higher or MATH 241 with a grade of "C" or higher.

**Credit Hours:** 4

**Associated Costs:** \$0 to \$100

Outline ([http://catalog.jccc.edu/coursedescriptions/math/#MATH\\_285](http://catalog.jccc.edu/coursedescriptions/math/#MATH_285))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60455 010 F2F	MTWR---	09:30-11:20 AM	06/03/19-07/25/19	CLB 209	Keslar C	Closed

## Metal Fabrication and Welding

### MFAB 124 - Introduction to Welding

Introduction to Welding is a basic welding, tool, and equipment safety course. This course will expose students to the various welding processes and techniques. Tools, equipment and safety related to the metal fabrication area will be discussed and used by the student. This is a hands-on course. Students will be required to purchase and use personal protective equipment (PPE).

**Credit Hours:** 3

**Associated Costs:** \$50 to \$150

Outline ([http://catalog.jccc.edu/coursedescriptions/mfab/#MFAB\\_124](http://catalog.jccc.edu/coursedescriptions/mfab/#MFAB_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60855 001 F2F	MTWR---	01:00-01:50 PM	07/01/19-07/25/19	ITC 189	Crompton S	Closed
	Lab MTWR---	02:00-05:50 PM	07/01/19-07/25/19	ATB 150		

*Co-requisite to enroll in  
SB 155 Excel in CTE*

### MFAB 140 - Maintenance Repair Welding

Upon successful completion of this course, the student should be able to perform oxyfuel cutting (OFC), shielded metal arc welding (SMAW), gas metal arc welding (GMAW) and plasma arc cutting (PAC). Basic blueprint and standard AWS welding symbols will be introduced. Selected welds and assignments will be tested according to industry and AWS standards. The student will be required to provide ANSI Z-87.1 approved safety glasses and may be expected to provide other basic hand tools and/or equipment as required by employers. This course is designed for individuals who have welding experience or who are employed by a company that requires welding skills. This course can be customized for advanced training. Prerequisite: MFAB 131 and MFAB 133 and MFAB 136.

**Credit Hours: 3**

**Associated Costs:** \$30 to 150

Outline ([http://catalog.jccc.edu/coursedescriptions/mfab/#MFAB\\_140](http://catalog.jccc.edu/coursedescriptions/mfab/#MFAB_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60854 001 F2F	MTWR---	08:00-08:50 AM	07/01/19-07/25/19	ITC 189	Crompton S	Closed
	Lab MTWR---	09:00-11:50 AM	07/01/19-07/25/19	ATB 150		

*SB 155 Excel in CTE*

## Med Info & Revenue Management

### MIRM 140 - Fundamentals of Health Records

This course introduces students to foundational concepts in the management, storage, retrieval and use of health information in healthcare settings. Instruction focuses on the content and uses of health records, professional roles within the health information profession and accreditation and regulatory requirements in the management of health information.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/mirm/#MIRM\\_140](http://catalog.jccc.edu/coursedescriptions/mirm/#MIRM_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60107 350 ONLNE	-----	-	06/03/19-07/22/19	Online	Winans J	Closed

*SB 155 Excel in CTE*

### MIRM 148 - Medical Coding Internship

This internship provides students with real-world coding experience in a healthcare facility. Students will shadow professional coders, as well as practice coding for a 40-hour work week. This internship also introduces students to various departments and professionals whose job functions relate to the work of medical coders through tours and interviews in the healthcare facility, with approximately 8 hours spent in this capacity. Students will prepare a daily journal describing their internship experiences. This internship includes 48 hours of internship responsibilities. A background check will be conducted on each student for internship placement purposes. Some healthcare facilities may require TB skin tests and/or drug screens for interns. Prerequisite or Corequisite: MIRM 146 and department approval.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/mirm/#MIRM\\_148](http://catalog.jccc.edu/coursedescriptions/mirm/#MIRM_148))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60901 500 INT	-----	-	06/03/19-07/25/19		Kraus A	1 of 2

*SB 155 Excel in CTE*  
Requirement: Department approval

## Marketing Management

### MKT 134 - Professional Selling

Upon successful completion of this course, the student should be able to describe the process of successful selling. In addition, the student should be able to define the steps of selling and identify appropriate application. The student should also be able to apply selling principles through role-play.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_134](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_134))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
60542 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Smith B	Closed

*SB 155 Excel in CTE*

## MKT 146 - Introduction to Social Media Marketing

Students in this course will survey usage of social media for marketing purposes. This course will study the relevance and importance of new and emerging marketing processes within social media. Students will analyze basic practical social media as well as learn "best practices" and use different social media throughout the class to create content. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_146](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_146))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60543 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Lambert D	Closed

*SB 155 Excel in CTE*

60545 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Spilde B	Closed
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*SB 155 Excel in CTE*

## MKT 202 - Consumer Behavior

Upon successful completion of this course, the student should be able to analyze the elements and influences that affect consumer behavior. In addition, the student should be able to apply the basic principles of consumer behavior and insight to the application of consumer-research findings used in the professional practice of marketing.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_202](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_202))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60544 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hollister A	Closed

## MKT 205 - eMarketing

The Internet has led to an increasingly connected environment, and the growth of Internet usage has resulted in the declining distribution of traditional media: television, radio, newspapers, and magazines. Marketing in this connected environment and using that connectivity to market is eMarketing. In this course, the student will understand and recognize the importance of an integrated eMarketing communications plan in order to coordinate all of the promotional mix and marketing communications elements for today's businesses. Topics of study include advertising, direct marketing, sales promotion, social media, web design, public relations and interactive media. The course integrates theory with planning, management and strategy plus hands-on experience. eMarketing explores how to use integrated web, email and database technologies in pre-built, personalized marketing campaigns to acquire and retain customers. Upon completion, the student will be able to develop an effective eMarketing communications program.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_205](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_205))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60546 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hollister A	Closed

*SB 155 Excel in CTE*

## MKT 230 - Marketing

Upon successful completion of this course, the student should be able to explain the concepts of production, consumption and distribution in relation to a free enterprise economy; list the basic channels of distribution available to the manufacturer of consumer and industrial products; explain and compare the distribution functions of the manufacturer, wholesaler and retailer; and state the procedures necessary to develop a total marketing plan for a given product, service or product line. In addition, the student should be able to discuss the fundamental principles of consumer behavior in the buying process and apply those principles to target market strategies.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_230\)](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_230)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60548 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hulen P	Closed
<i>SB 155 Excel in CTE</i>						
60549 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hulen P	Closed
<i>SB 155 Excel in CTE</i>						
60550 352 ONLNE	-----	-	07/01/19-07/25/19	Online	Hulen P	Closed
<i>SB 155 Excel in CTE</i>						

## MKT 284 - Marketing Management Internship I

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course offers work experience under instructional supervision in an approved training situation designed to provide practical experience in marketing and management. A minimum of 48 hours, per semester, of on-the-job training is required.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_284\)](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_284)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60551 500 INT	-----	-	06/03/19-07/25/19		Hulen P	3 of 8
<i>SB 155 Excel in CTE</i>						

## MKT 286 - Marketing Management Internship II

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work situation. This course offers work experience under instructional supervision in an approved training situation designed to provide practical experience in marketing and management. A minimum of 48 hours, per semester, of on-the-job training is required. Prerequisite: MKT 284.

**Credit Hours: 1**

[Outline \(http://catalog.jccc.edu/coursedescriptions/mkt/#MKT\\_286\)](http://catalog.jccc.edu/coursedescriptions/mkt/#MKT_286)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60552 500 INT	-----	-	06/03/19-07/25/19		Hulen P	2 of 8
<i>SB 155 Excel in CTE</i>						

## Music

### MUS 121 - Introduction to Music Listening

This course is designed to enhance student music listening. Students will learn to identify changes in the elements of music through the different stylistic periods of classical music. Factual and historical information will be presented to broaden the student's cultural and music appreciation. Students will hear recorded examples of music from the Medieval, Renaissance, Baroque, Classical, Romantic and 20th-century eras, as well as popular American forms and music from non-Western cultures.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_121\)](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_121)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60777 001 F2F	M-W----	09:30-12:15 PM	06/03/19-07/24/19	OCB 144	Peters C	Closed
<i>KBOR Seamless Transfer</i>						
60778 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Peters C	Closed
<i>KBOR Seamless Transfer</i>						
60779 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Kern J	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
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*KBOR Seamless Transfer*

## MUS 125 - Introduction to Jazz Listening

This is an entry-level course for the student with little or no prior knowledge of the American art form of jazz music. Through reading and listening, the student will learn the basic structure of the elements of music and how these are organized to create jazz. Topics to be covered will include rhythm, harmony, and form; Dixieland style; swing style; bop; and contemporary jazz.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_125](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60781 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Heinlein R	Closed

## MUS 128 - History of Rock and Roll Music

Through the study of the history of Rock and Roll music, students will discover how the various styles and structures of Rock have evolved, and how these styles reflected the social and cultural events in each stylistic era. By studying this history the students will also learn about the major Rock artists and what their contributions were to the development of the art form and the social climate in which the artist lived. The course will also address the role of technology on the development of the music and the music business.

**Credit Hours: 3**

**Associated Costs:** \$0 to \$45

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_128](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_128))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60782 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Fitzer H	Closed

*Cultural Diversity Designation*

## MUS 155 - Introduction to the Recording Studio

This course is design to provide a basic overview of the contemporary digital recording studio. Students will learn though demonstration and practice how to use current hardware and software used to produce music.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_155](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60783 001 F2F	----S-	09:00-12:50 PM	06/08/19-07/20/19	OCB 364	Ransom T	Closed
60784 002 F2F	-T-R--	09:00-10:50 AM	06/04/19-07/25/19	OCB 364	Ransom T	Closed

## MUS 156 - MIDI Music Composition

MIDI Music Composition I is designed to create a technical and conceptual foundation for further studies in electronic music. Students will learn and demonstrate basic compositional techniques, including form, melody, rhythm and harmony. Also, the student will demonstrate the ability to use computers and software to create and perform music. Emphasis will be on developing skills appropriate to the beginning student for the purpose of creative and technical expression.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_156](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_156))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60785 001 F2F	MTWR---	11:00-12:50 PM	06/03/19-07/25/19	OCB 364	Olvera V	Closed

## MUS 221 - Piano Class I

This course provides a basic knowledge of music and the essential techniques required to play the piano. Students will learn essential musical terminology, including musical notation and symbols, major and minor key signatures, and the harmonization of melodies using tonic and dominant triads. Specific piano-related terminology will include finger exercises, basic keyboard repertoire using major and minor five-finger patterns, major and minor scales, major and minor triads in root position, ensemble playing of two to four parts, and the formation of good practice habits. Group Piano II should follow the successful completion of this course. Private piano lessons are encouraged for students who successfully complete both courses.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_221](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_221))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60786 001 F2F	M-W----	11:00-12:45 PM	06/03/19-07/24/19	OCB 362	Pretzel M	Closed

## MUS 223 - Piano Class III

This is an intermediate course that provides a basic knowledge of keyboard instruments. Students will learn and review musical terminology, musical notation and symbols, and specific piano-related terminology. Topics covered will include major and minor key signatures; exercises and repertoire using major and minor scales and modes; exercises and repertoire using major, minor, diminished and augmented triads in root position and inversions; chord progressions; ensemble playing of two to four parts; and use of the damper pedal. This course is the continuation of MUS 222. Completion of this course should precede Applied Piano I. This course is designed for students who have completed one year of study or who have completed MUS 222. Prerequisite: MUS 222 or department approval.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_223](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_223))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60787 001 F2F	M-W----	01:00-02:45 PM	06/03/19-07/24/19	OCB 362	Pretzel M	Closed

## MUS 236 - Applied Piano I (Private)

This is an entry-level course for the student with little or no prior piano training. This course provides a basic knowledge of keyboard instruments. Students will learn essential musical terminology, musical notation and symbols, and specific piano-related terminology. Topics covered will include major and minor key signatures; exercises and repertoire using major and minor five-finger patterns; and exercises and repertoire using major and minor scales.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_236](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_236))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60789 601 PVL	-----	-	06/03/19-07/25/19		Pretzel M	6 of 6

Requirement: Department approval

## MUS 237 - Applied Piano II (Private)

This is a beginning-level course for the student with at least one semester of prior applied piano study. Students will learn the intermediate-level concepts of piano performance. Topics to be covered will include major scales and the natural and harmonic forms of the minor scales, rhythmic patterns and subdivisions of duple and triple meter and the basic keyboard literature of the intermediate level. Prerequisite: MUS 236.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_237](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_237))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60790 601 PVL	-----	-	06/03/19-07/25/19		Pretzel M	6 of 6

Requirement: Department approval

60922 602 PVL	-----	-	06/03/19-07/25/19		Peters C	5 of 6
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Requirement: Department approval

CRN	Days	Time	Date	Location	Instructor	Seats Open
60923 603 PVL	-----	-	06/03/19-07/25/19		Peters C	6 of 6

Requirement: Department approval

## MUS 241 - Applied Guitar I (Private)

In this private study in basic guitar technique, emphasis will be upon playing position, posture, tone production and basic music reading skills. Students will begin with studies and short pieces.

Credit Hours: 1

Outline ([http://catalog.jccc.edu/coursedescriptions/mus/#MUS\\_241](http://catalog.jccc.edu/coursedescriptions/mus/#MUS_241))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60791 601 PVL	-----	-	06/03/19-07/25/19		Fitzer H	3 of 6

Requirement: Department approval

## Nursing

### NURS 125 - Health Assessment in Nursing

Health Assessment in Nursing is a three credit course designed to provide students with a basic understanding and working knowledge of health assessment in the adult. The course is divided into modules that correlate with the bodily systems, including content preparation for subsequent courses including pediatric and older adult. Learning environments will include both classroom and simulated lab setting. Prerequisite: Admission to Nursing Program. Corequisite: NURS 100.

Credit Hours: 3

Outline ([http://catalog.jccc.edu/coursedescriptions/nurs/#NURS\\_125](http://catalog.jccc.edu/coursedescriptions/nurs/#NURS_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60868 376 HYB	-T-----	08:00-03:00 PM	05/28/19-05/28/19	CLB 111	Deines W Carver K LaMartina K Barlett M Lanier N Ritter M McNally J Vraich P Quinn R Vezendan C Schull H	<b>Closed</b>
	----F--	08:00-01:00 PM	05/31/19-05/31/19	CLB 111		
	-T-----	08:00-11:00 AM	06/04/19-06/04/19	CLB 111		
	----F--	08:00-12:00 PM	06/07/19-06/07/19	CLB 111		
	--W----	08:00-01:00 PM	06/12/19-06/12/19	CLB 111		
	----F--	08:00-09:00 AM	06/14/19-06/14/19	RC 234		
	----F--	11:30-04:00 PM	06/14/19-06/14/19	CLB 111		
	----F--	08:00-10:00 AM	06/28/19-06/28/19	RC 234		
	----F--	11:00-11:30 AM	06/28/19-06/28/19	CLB 111		

SB 155 Excel in CTE

### NURS 175 - Concepts of Nursing Care: PN to RN Transition

This course is an introduction to the second year of the associate degree nurse (ADN) program for graduates of licensed practical nurse (LPN) programs. This course will combine foundational and childbearing family and child concepts of clinical judgment, facilitator of learning, advocacy, caring practices, collaboration, systems thinking, response to diversity and clinical inquiry. Populations examined will include the adult as well as the childbearing family, child and adolescent. An in-depth examination of physical assessment and psychomotor/communication skills will prepare the student for transition to the associate degree nursing program. Course instruction will occur

using a blended approach that focuses on active engagement of the student in the classroom, online, in the Health Resource Center, the Simulation Center and in other learning environments. Prerequisite: Admission to the Nursing Program and BIOL 144 and BIOL 227 and ENGL 121 and MATH 171 and PSYC 218. Corequisite: NURS 125.

**Credit Hours: 6**

Outline ([http://catalog.jccc.edu/coursedescriptions/nurs/#NURS\\_175](http://catalog.jccc.edu/coursedescriptions/nurs/#NURS_175))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60869 001 F2F	M-----	08:00-02:00 PM	06/03/19-06/03/19	CLB 111	Deines W Shank L Carver K LaMartina K Barlett M Lanier N Ritter M Russell J McNally J Vraich P Quinn R Vezendan C Schull H Randolph J	<b>Closed</b>
	-T-----	12:00-03:00 PM	06/04/19-06/04/19	CLB 111		
	--W----	08:00-02:00 PM	06/05/19-06/05/19	CLB 111		
	M-----	08:00-01:59 PM	06/10/19-06/10/19	CLB 111		
	M-----	02:00-03:00 PM	06/10/19-06/10/19	RC 234		
	-T-----	08:00-03:00 PM	06/11/19-06/11/19	CLB 111		
	--W----	12:00-01:00 PM	06/12/19-06/12/19	RC 234		
	M-----	08:00-04:00 PM	06/17/19-06/17/19	CLB 111		
	-T-----	08:00-03:00 PM	06/18/19-06/18/19	CLB 111		
	--W----	08:00-11:00 AM	06/19/19-06/19/19	CLB 111		
	---R---	08:00-11:00 AM	06/20/19-06/20/19	CLB 111		
	----F--	11:00-12:00 PM	06/21/19-06/21/19	RC 234		
	M-----	08:00-12:00 PM	06/24/19-06/24/19	CLB 111		
	M-----	08:00-10:00 AM	07/01/19-07/01/19	RC 234		
	M-----	10:01-11:30 AM	07/01/19-07/01/19	CLB 111		

SB 155 Excel in CTE

## Philosophy

### PHIL 121 - Introduction to Philosophy

Students will examine the basic questions of philosophical inquiry, such as the nature of being, and the ways humans acquire knowledge and moral, social, religious and political values. Emphasis is on the application of the study of traditional problems of philosophy to the study of contemporary society.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/phil/#PHIL\\_121](http://catalog.jccc.edu/coursedescriptions/phil/#PHIL_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60661 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 317	Conrad O	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60662 002 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	GEB 317	Quillen L	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60663 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Jones A	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60664 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Jones A	<b>Closed</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open
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*KBOR Seamless Transfer*

## PHIL 124 - Logic and Critical Thinking ▾

This course examines the basic elements of formal and informal reasoning. Topics include the elements of argumentative discourse, informal fallacies, inductive and deductive arguments, and propositional logic. The class also focuses on the analysis and evaluation of argumentative discourse in a variety of everyday and academic contexts.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/phil/#PHIL\\_124](http://catalog.jccc.edu/coursedescriptions/phil/#PHIL_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60665 001 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	GEB 338	Coleman K	Closed

*KBOR Seamless Transfer*

60667 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Musil B	Closed
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*KBOR Seamless Transfer*

## PHIL 140 - Business Ethics

Business Ethics is a branch of applied ethics that attempts to understand, evaluate and critique business practices in the light of moral principles and values. This course introduces students to important elements of moral theory as well as main topics in Business Ethics, including the fiduciary duty of managers, outsourcing, corporate responsibility, whistleblowing, income smoothing, insider trading, sole-source procurements and kickbacks, conflicts of interest, legitimate vs. illegitimate write-offs, deception in advertising and marketing, responsibility to the environment, pay for corporate personnel, and interpersonal relationships in the workplace, among others. 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/phil/#PHIL\\_140](http://catalog.jccc.edu/coursedescriptions/phil/#PHIL_140))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60669 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Arp R	Closed

## PHIL 143 - Ethics ▾

This course provides a systematic and critical study of values related to human conduct. It focuses on both traditional standards of ethical conduct and qualities of personal character. What we hold to be right or wrong, the basis for believing so, and what we consider to be virtues or vices are examined with an eye to understanding our current ethical situation.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/phil/#PHIL\\_143](http://catalog.jccc.edu/coursedescriptions/phil/#PHIL_143))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60670 001 F2F	MTWR---	12:30-01:45 PM	06/03/19-07/25/19	GEB 317	Conrad O	Closed

*KBOR Seamless Transfer*

60671 002 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	GEB 342	Hsiao T	Closed
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*KBOR Seamless Transfer*

60672 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Jones A	Closed
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*KBOR Seamless Transfer*

60675 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Arjo D	Closed
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*KBOR Seamless Transfer*

60676 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Arp R	Closed
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*KBOR Seamless Transfer*

## PHIL 155 - Bioethics

This course introduces students to the scientific, ethical and legal issues relevant to the discipline of biology and those raised by the rapid development of new biological technologies. Students will examine the major theories of ethics, including deontology, utilitarianism, and select others. Topics include: beginning of life issues such as contraception, abortion, and nontraditional methods of human reproduction; end of life issues such as advance healthcare directives and physician-assisted suicide; and other issues such as experimentation on human and animal subjects and human environmental impacts. BIOL 155 and PHIL 155 are the same courses; only enroll in one. Prerequisite: BIOL 121 or department approval.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/phil/#PHIL\\_155](http://catalog.jccc.edu/coursedescriptions/phil/#PHIL_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60677 350 ONLNE	-----	-	07/01/19-07/25/19	Online	Williams D	Closed

## Photography

### PHOT 128 - Digital Photography

This course is an introduction to the concepts, tools and technology of digital imaging for photographers. Students will develop competence in the use of digital photographic equipment, software, storage devices and printers to produce digital photographic images satisfying the requirements of a series of assignments designed to develop specific skills and competencies. Students will "capture," import, adjust, correct, transmit, store and output images. They will use digital imaging technology to produce photographs for visual communication and artistic expression. Ethics and cultural implications of the technology will be discussed.

**Credit Hours: 3**

**Associated Costs:** \$75 to 150

Outline ([http://catalog.jccc.edu/coursedescriptions/phot/#PHOT\\_128](http://catalog.jccc.edu/coursedescriptions/phot/#PHOT_128))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60625 001 F2F	-TWR---	01:00-04:50 PM	06/04/19-07/25/19	FADS 207	Heying P	Closed
60626 002 F2F	-TWR---	06:00-09:50 PM	06/04/19-07/25/19	FADS 203	Sands C	Closed
60627 376 HYB	-----	-	06/06/19-07/25/19	Online	Nichols M	Closed
	---R---	01:00-04:50 PM	06/13/19-06/13/19	FADS 203		
	---R---	01:00-04:50 PM	06/27/19-06/27/19	FADS 203		
	---R---	01:00-04:50 PM	07/11/19-07/11/19	FADS 203		
	---R---	01:00-04:50 PM	07/25/19-07/25/19	FADS 203		

## Physics

### PHYS 130 - College Physics I

In this introductory course for pre-professional and general education, students will learn the fundamentals of selected areas of classical physics. Using the tools of algebra and trigonometry, the course develops the topics of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, and fluid mechanics. The two-semester PHYS 130/131 sequence is designed to meet the requirements of area pre-professional programs. This is a transfer course that meets the college's requirements for associate's degree programs and meets transfer requirements of area colleges and universities. This course does not normally fulfill the requirement of engineering programs. The course includes an integrated laboratory component the completion of which is a necessary part of the total instructional package. Prerequisite: MATH 171 or an appropriate score on a math placement test.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/phys/#PHYS\\_130](http://catalog.jccc.edu/coursedescriptions/phys/#PHYS_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60515 001 F2F	MTWR---	08:00-09:50 AM	06/03/19-07/25/19	SCI 122	Weaver L	Closed
	Lab -T-R---	10:00-12:50 PM	06/04/19-07/25/19	SCI 121		
<i>KBOR Seamless Transfer</i>						
60516 002 F2F	MTWR---	12:00-01:50 PM	06/03/19-07/25/19	SCI 122	Martinez D	Closed
	Lab -T-R---	02:00-04:50 PM	06/04/19-07/25/19	SCI 121		
<i>KBOR Seamless Transfer</i>						

## PHYS 131 - College Physics II

In this introductory course for pre-professional and general education, students will learn the fundamentals of selected areas of classical physics. Using the tools of algebra and trigonometry, the course develops the topics of electricity and magnetism, waves, optics, and some modern physics. The two-semester PHYS 130/131 sequence is designed to meet the requirements of area pre-professional programs. This is a transfer course that meets the college's requirements for associate's degree programs and meets transfer requirements of area colleges and universities. This course does not normally fulfill the requirements of engineering programs. The course includes an integrated laboratory component the completion of which is a necessary part of the total instructional package. Prerequisite: PHYS 130.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/phys/#PHYS\\_131](http://catalog.jccc.edu/coursedescriptions/phys/#PHYS_131))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60517 001 F2F	MTWR---	12:00-01:50 PM	06/03/19-07/25/19	SCI 120	Strecker R	Closed
	<b>Lab</b> M-W----	02:00-04:50 PM	06/03/19-07/25/19	SCI 117		
<i>KBOR Seamless Transfer</i>						
60518 050 F2F	M-W----	06:00-06:50 PM	06/03/19-07/25/19	SCI 120	Thuma R	Closed
	<b>Lab</b> M-W----	07:00-09:50 PM	06/03/19-07/25/19	SCI 117		
	-T-R---	06:00-08:50 PM	06/04/19-07/25/19	SCI 120		
<i>KBOR Seamless Transfer</i>						

## PHYS 221 - Engineering Physics II

Engineering Physics II (and associated laboratory experience) is the continuation of Engineering Physics I. It is the study of electricity, magnetism, electromagnetic waves, and optics using the tools of algebra, trigonometry, and calculus. Prerequisite: PHYS 220 and MATH 242.

**Credit Hours: 5**

Outline ([http://catalog.jccc.edu/coursedescriptions/phys/#PHYS\\_221](http://catalog.jccc.edu/coursedescriptions/phys/#PHYS_221))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60519 001 F2F	M-W----	08:00-10:50 AM	06/03/19-07/25/19	SCI 120	Stites R	Closed
	-T-R---	08:00-08:50 AM	06/04/19-07/25/19	SCI 120		
	<b>Lab</b> -T-R---	09:00-11:50 AM	06/04/19-07/25/19	SCI 117		
<i>KBOR Seamless Transfer</i>						
60520 002 F2F	M-W----	12:00-02:50 PM	06/03/19-07/25/19	SCI 124	Thuma R	Closed
	-T-R---	12:00-12:50 PM	06/04/19-07/25/19	SCI 124		
	<b>Lab</b> -T-R---	01:00-03:50 PM	06/04/19-07/25/19	SCI 117		
<i>KBOR Seamless Transfer</i>						

## Practical Nursing

### PN 125 - KSPN Foundations of Nursing

This course utilizes the nursing standards of practice based on principles of biology, psychosocial, spiritual and cultural to meet the needs of clients throughout the lifespan. Emphasis is placed on basic nursing skills, client safety and therapeutic communication. Concepts and skills are enhanced in subsequent courses. Prerequisite: Admission to the Practical Nursing Program. Corequisite: PN 126.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/pn/#PN\\_125](http://catalog.jccc.edu/coursedescriptions/pn/#PN_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60723 100 F2F	-TW----	05:30-09:30 PM	06/04/19-07/24/19	 OHEC 209	Luoma E	Closed
<i>SB 155 Excel in CTE</i>						

### PN 126 - KSPN Foundations of Nursing Clinical

The art and science of nursing are explored in this clinical course. Emphasis is placed on the nursing process, cultural and spiritual awareness, communication, data collection, performance of basic nursing skills and documentation. Principles of safe medication administration are introduced. Prerequisite: Admission to the Practical Nursing Program. Corequisite: PN 125.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/pn/#PN\\_126](http://catalog.jccc.edu/coursedescriptions/pn/#PN_126))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60724 101 F2F	--R--	05:30-09:30 PM	06/06/19-07/25/19	OHEC 207	Krumsick S Luoma E	<b>Closed</b>
	----S-	08:00-04:00 PM	06/08/19-07/20/19	TBA		
	-----U	08:00-04:00 PM	06/09/19-07/21/19	TBA		

*SB 155 Excel in CTE*

## PN 145 - KSPN Mental Health Nursing

This course explores basic concepts and trends in mental health nursing. Therapeutic modalities and client behavior management are discussed. Emphasis is placed on using the nursing process and meeting the basic human needs of the mental health client. Prerequisite: Admission to the Practical Nursing Program and PN 130 with a grade of "C" or higher and PN 131 with a passing grade and PN 135 with a grade of "C" or higher.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/pn/#PN\\_145](http://catalog.jccc.edu/coursedescriptions/pn/#PN_145))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60721 150 F2F	M-----	05:30-09:30 PM	06/03/19-07/22/19	OHEC 217	Luoma E	<b>Closed</b>

*SB 155 Excel in CTE*

## PN 155 - KSPN Gerontology Nursing

This course is designed to explore issues related to the aging adult using the nursing process as the organizing framework. Also discussed are the impact of ageism, alterations in physiological and psychosocial functioning, and the role of the practical nurse in caring for older adult clients. Prerequisite: Admission to Practical Nursing Program.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/pn/#PN\\_155](http://catalog.jccc.edu/coursedescriptions/pn/#PN_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60722 200 F2F	--W----	05:30-09:30 PM	06/05/19-07/24/19	OHEC 217	DeBolt K	<b>Closed</b>

*SB 155 Excel in CTE*

## Political Science

### POLS 122 - Political Science

This course provides students the opportunity to explore the discipline of political science and to discover how political scientists study politics in the contemporary world.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/pols/#POLS\\_122](http://catalog.jccc.edu/coursedescriptions/pols/#POLS_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60716 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Wright B	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
60806 352 ONLINE	-----	-	06/03/19-07/25/19	Online	Vegter A	<b>Closed</b>

*KBOR Seamless Transfer*

## POLS 124 - American National Government

This course examines the components of the public policy-making process. Topics of study include American political culture, constitutional principles, intergovernmental relations, public opinion, political parties, interest groups, media, the influence of the constant campaign of candidate-centered politics, budget construction, bureaucracy, and decision-making institutions.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/pols/#POLS\\_124](http://catalog.jccc.edu/coursedescriptions/pols/#POLS_124))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60717 001 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	GEB 213	Burns J	Closed
<i>KBOR Seamless Transfer</i>						
60718 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Burns J	Closed
<i>KBOR Seamless Transfer</i>						

## POLS 135 - International Relations

This course analyzes the conflict and cooperation among nation-states. Students will study contemporary problems and how they relate to power, war, terrorism, diplomacy, international organizations and the future of the nation-state system.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/pols/#POLS\\_135](http://catalog.jccc.edu/coursedescriptions/pols/#POLS_135))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60719 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Wright B	Closed
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
<i>KBOR Seamless Transfer</i>						

## POLS 175 - Environmental Policy and Law

This is a survey course in environmental regulation and will provide an overview of key environmental laws and policies including major provisions of the National Environmental Policy Act (NEPA), the Clean Water Act (CWA), the Clean Air Act (CAA), the Resource Conservation and Recovery Act (RCRA), the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and The Endangered Species Act (ESA). 3 hrs. lecture/wk.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/pols/#POLS\\_175](http://catalog.jccc.edu/coursedescriptions/pols/#POLS_175))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60900 350 ONLNE	-----	-	07/01/19-07/25/19	Online	Williams D	Closed
<i>General Education Designation</i>						

## Physical Science

### PSCI 120 - Physical Science

This course is an introduction to the fundamental concepts and principles of physics, chemistry, astronomy and the earth sciences. Topics include forces, energy, electricity, magnetism, modern physics, and chemical bonding. It is counted toward laboratory science requirements and is intended for non-science majors. The course includes presentation of material using audiovisual, computer and other multimedia aids. Three hours of class and three hours of work in a scheduled lab are required each week.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/psci/#PSCI\\_120](http://catalog.jccc.edu/coursedescriptions/psci/#PSCI_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60513 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hess J	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i>						
60514 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hess J	Closed
<i>KBOR Seamless Transfer</i>						

## Psychology

### PSYC 130 - Introduction to Psychology

This basic introduction to psychology includes the study of biological aspects of behavior, the brain, consciousness, sensation and perception, motivation and emotion, stress, maturation and development, learning and memory, normal and abnormal personality, and social psychology. This course is the prerequisite for all advanced-level psychology courses.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC\\_130](http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC_130))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60746 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	CLB 312	Riley N	Closed
<i>KBOR Seamless Transfer</i>						
<i>Accelerating Opportunity KS</i>						
60747 002 F2F	MTWR---	11:00-12:15 PM	06/03/19-07/25/19	CLB 312	Riley N	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60748 003 F2F	-T-R---	11:00-01:30 PM	06/04/19-07/25/19	GEB 377	Sympson S	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60749 004 F2F	-T-R---	03:00-05:30 PM	06/04/19-07/25/19	CLB 312	Ward P	Closed
<i>KBOR Seamless Transfer</i>						
<i>Accelerating Opportunity KS</i>						
60750 005 F2F	M-W----	06:00-08:30 PM	06/03/19-07/24/19	CLB 312	Kelly D	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60751 006 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	GEB 377	Ward A	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60752 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Rader M	Closed
<i>KBOR Seamless Transfer</i>						
<i>Accelerating Opportunity KS</i>						
60753 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Klinger T	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60754 353 ONLNE	-----	-	06/03/19-07/25/19	Online	Rader M	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60755 354 ONLNE	-----	-	06/03/19-07/25/19	Online	Klinger T	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60756 355 ONLNE	-----	-	06/03/19-07/25/19	Online	Rader M	Closed
<i>KBOR Seamless Transfer</i>						
<i>Accelerating Opportunity KS</i>						
60757 356 ONLNE	-----	-	06/03/19-07/25/19	Online	Kappen D	Closed
<i>Accelerating Opportunity KS</i>						
<i>KBOR Seamless Transfer</i>						
60758 357 ONLNE	-----	-	06/03/19-07/25/19	Online	Darrow R	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>KBOR Seamless Transfer</i> <i>Accelerating Opportunity KS</i>						
60759 358 ONLNE	-----	-	06/03/19-07/25/19	Online	Kappen D	Closed
<i>Accelerating Opportunity KS</i> <i>KBOR Seamless Transfer</i>						
60919 359 ONLNE	-----	-	06/03/19-07/25/19		Bratt J	Closed
<i>Accelerating Opportunity KS</i> <i>KBOR Seamless Transfer</i> <i>General Education Designation</i>						
60932 360 ONLNE	-----	-	06/03/19-07/25/19	Online	Abbott C	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i> <i>Accelerating Opportunity KS</i>						
60933 361 ONLNE	-----	-	06/03/19-07/25/19	Online	Ward A	Closed
<i>General Education Designation</i> <i>KBOR Seamless Transfer</i> <i>Accelerating Opportunity KS</i>						

### PSYC 215 - Child Development

This course is a comprehensive account of human development from conception through adolescence. The course integrates genetic, biological, physical and anthropological influences with psychological processes and explores determinants of behavior from a genetic and environmental perspective. Prerequisite: PSYC 130.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC\\_215](http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC_215))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60760 001 F2F	M-W----	11:00-01:30 PM	06/03/19-07/24/19	GEB 377	Darrow R	Closed
<i>KBOR Seamless Transfer</i>						

### PSYC 218 - Human Development

This course is a comprehensive account of human psychological and physical development from conception through infancy, childhood, adolescence, adulthood and death. The course integrates genetic, biological, physiological and anthropological influences with the psychological process, and explores determinants of development from both hereditary and environmental perspectives. Prerequisite: PSYC 130.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC\\_218](http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC_218))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60761 001 F2F	MTWR---	09:30-10:45 AM	06/03/19-07/25/19	GEB 377	Filley D	Closed
<i>KBOR Seamless Transfer</i>						
60762 002 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CLB 312	Ladd B	Closed
<i>KBOR Seamless Transfer</i>						
60763 003 F2F	M-W----	06:00-08:30 PM	06/03/19-07/24/19	GEB 377	Filley D	Closed
<i>KBOR Seamless Transfer</i>						
60764 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Salvato M	Closed
<i>KBOR Seamless Transfer</i>						
60765 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Klinger T	Closed
<i>KBOR Seamless Transfer</i>						

### PSYC 220 - Social Psychology

Social psychology is the study of social influence on behavior and cognition. Social psychology explores our relationships with others, our interdependency, and the mutual influence we have on one another. The course will cover concepts such as attitude formation, attitude change, prejudice, aggression, affiliation, obedience to authority, and conformity; special emphasis will be placed on fostering prosocial behavior and how our attitudes toward self and others are influenced by race, ethnicity, gender, age, religious beliefs, socioeconomic status, sexual orientation, and political beliefs. The course requires students to acquire a critical awareness of research methodology. Prerequisite: PSYC 130.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC\\_220](http://catalog.jccc.edu/coursedescriptions/psyc/#PSYC_220))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60766 001 F2F	-T-R---	03:00-05:30 PM	06/04/19-07/25/19	GEB 377	Ward A	Closed

*Cultural Diversity Designation*

## Reading

### RDG 126 - Academic Reading

This is the mandatory reading course based on JCCC assessment scores, and successful completion of this course is required to exit the assessment mandate. It is designed for students who need to improve their understanding of written expression. The focus of this course is higher-level comprehension and vocabulary skills. Students use written materials to apply and practice skills learned in the class and to provide a background for written assignments. This course does not fulfill degree requirements. Prerequisite: Appropriate test score or (EAP 111 and EAP 115 and EAP 122).

**Credit Hours: 3**

**Associated Costs:** \$5-15

Outline ([http://catalog.jccc.edu/coursedescriptions/rdg/#RDG\\_126](http://catalog.jccc.edu/coursedescriptions/rdg/#RDG_126))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60037 003 F2F	M-W----	09:00-11:30 AM	06/03/19-07/24/19	CC 338	Davis S	Closed
60039 005 F2F	M-W----	06:00-08:30 PM	06/03/19-07/24/19	LIB 353B	McCall S	Closed
60041 007 F2F	-T-R---	09:00-11:30 AM	06/04/19-07/25/19	GEB 375	Davis S	Closed
60045 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Fielder R	Closed

## Religion

### REL 120 - Exploring World Religions

This course is a comparative study of the world's major religious traditions. The basic beliefs of Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity and Islam will be explored. A comparative framework for religious studies will be provided, and essential differences between Eastern and Western religions will be noted. Literary texts and iconographic images will be studied as appropriate.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/rel/#REL\\_120](http://catalog.jccc.edu/coursedescriptions/rel/#REL_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60680 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Boucher D	Closed

*General Education Designation*  
*KBOR Seamless Transfer*  
*Cultural Diversity Designation*

60681 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Bevell Hull M	Closed
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*General Education Designation*  
*KBOR Seamless Transfer*  
*Cultural Diversity Designation*

### REL 125 - Religions of the East

Religions of the East is a detailed examination of the rich and diverse religious traditions of India, Tibet, China and Japan. Students will explore the histories, mutual influences, beliefs, and practices of Hinduism, Buddhism, the Jain religion, the Sikh religion, Confucianism, Daoism, the Tibetan religions, and Shinto, stressing the characteristics they share, as well as those that differentiate them from each other and from Western religions. Primary and secondary texts, as well as the iconographic and artistic traditions of these religions, will be examined as appropriate.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/rel/#REL\\_125](http://catalog.jccc.edu/coursedescriptions/rel/#REL_125))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60684 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Hoare T	Closed

*General Education Designation*  
*Cultural Diversity Designation*

## Railroad Conductor

### RRTC 123 - Introduction to Conductor Service

This is an introductory course for the conductor service option within the railroad operations program. Upon successful completion of this course, the student should be able to describe railroad organization and general operations, policies and practices to ensure railroad safety, and the basic responsibilities of conductors. Prerequisite: Admission to the JCCC railroad operations program.

**Credit Hours: 4**

Outline ([http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC\\_123](http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC_123))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60878 002 F2F	MTWRF--	08:00-05:00 PM	06/17/19-06/21/19	ITC 104	Brown T	Full

*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

### RRTC 175 - Conductor Mechanical Operation

This course covers mechanical operations that relate to conductor service. Upon successful completion of this course, the student should be able to describe the importance and application of freight care mechanical policies and practices to ensure safe railroad operations. Prerequisite: Admission to the JCCC railroad operations program.

**Credit Hours: 2**

**Associated Costs: \$36**

Outline ([http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC\\_175](http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC_175))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60879 002 F2F	MTWRF--	08:00-05:00 PM	06/24/19-06/28/19	ITC 104	McNay R Brown T	Closed

*Accelerating Opportunity KS*  
*SB 155 Excel in CTE*

### RRTC 261 - Conductor Service

Upon successful completion of this course, the student should be able to describe and apply railroad organization and general operations, policies and practices to ensure railroad safety and basic responsibilities of conductors. This course includes safety and the general rules with which conductors must comply and teaches the techniques and administrative procedures conductors use on the job to perform safely and effectively. Prerequisite: Admission to the JCCC railroad operations program.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC\\_261](http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC_261))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60880 002 F2F	MTWRF--	08:00-05:00 PM	07/01/19-07/05/19	ITC 104	McNay R Brown T	Closed

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>SB 155 Excel in CTE Accelerating Opportunity KS</i>						
60897 351	ONLNE	-----	-	06/03/19-06/30/19	Online	Brown T 1 of 6

*SB 155 Excel in CTE  
Accelerating Opportunity KS*

### RRTC 263 - General Code of Operating Rules

Conductors must maintain a thorough understanding of the General Code of Operating Rules (GCOR). This course provides an in-depth study of the GCOR. Upon completion of this course, the student should be able to demonstrate abilities to apply the General Code of Operating Rules to safe and efficient train movement and operations. Prerequisite: Admission to the JCCC railroad operations program.

**Credit Hours: 4**

**Associated Costs: \$60**

Outline ([http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC\\_263](http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC_263))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60882 002	F2F	MTWRF--	08:00-05:00 PM	07/15/19-07/24/19	ITC 104	Brown T Full

*Accelerating Opportunity KS*

### RRTC 267 - Conductor Field Application

Upon successful completion of this course, the student will have observed actual operations and be able to apply skills learned in classroom-based instruction to those operations. The student will observe and perform operations under the supervision of experienced conductor mentors in an actual field location. Prerequisite: Admission to the JCCC railroad operations program.

**Credit Hours: 4**

**Associated Costs: \$200**

Outline ([http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC\\_267](http://catalog.jccc.edu/coursedescriptions/rrtc/#RRTC_267))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60898 051	F2F	MTWRFSU	07:00-04:00 PM	07/06/19-07/12/19	ITC	Brown T 1 of 6

*SB 155 Excel in CTE  
Accelerating Opportunity KS*  
Requirement: NARS dir/JCCC div adm approval

60881 376	HYB	MTWRF--	08:00-05:00 PM	07/08/19-07/12/19	ITC	McNay R Brown T Closed
		-----	-	07/15/19-10/04/19	Online	

*Accelerating Opportunity KS  
SB 155 Excel in CTE*

### Sustainable Agriculture

#### SAG 276 - Sustainable Agriculture Summer Practicum

Through practical experience complemented by lectures and discussions, students will gain exposure to a broad range of tasks facing the market farmer during the summer season. This includes planning, production and marketing of spring and summer crops and planning and production of fall crops in high tunnels and open field. Topics include production planning, planting, integrated crop management, harvest and postharvest practices, marketing through various channels, tools and equipment, soil fertility management, and record keeping. Practicum activities will integrate with other courses in this market farming certificate program. Students will learn both conventional and organic production techniques. Entrepreneurship will be emphasized throughout. 7 hrs. practicum/wk.

**Credit Hours: 2**

Outline ([http://catalog.jccc.edu/coursedescriptions/sag/#SAG\\_276](http://catalog.jccc.edu/coursedescriptions/sag/#SAG_276))



[Outline \(http://catalog.jccc.edu/coursedescriptions/soc/#SOC\\_125\)](http://catalog.jccc.edu/coursedescriptions/soc/#SOC_125)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60249 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Petrovic U	Closed
<i>KBOR Seamless Transfer</i> <i>Cultural Diversity Designation</i> <i>General Education Designation</i>						
60250 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Seiler C	Closed
<i>KBOR Seamless Transfer</i> <i>Cultural Diversity Designation</i> <i>General Education Designation</i>						
60248 376 HYB	-----	-	06/03/19-07/25/19	Online	Burbidge S	Closed
	-T-R---	09:30-10:45 AM	06/04/19-07/25/19	GEB 240		
<i>KBOR Seamless Transfer</i> <i>Cultural Diversity Designation</i> <i>General Education Designation</i>						

## SOC 127 - Criminology

This class will identify the major criminology theories. Various explanations for criminal conduct will be explored and society's responses to crime will be examined. ADMJ 127 and SOC 127 are the same course. Do not enroll in both.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/soc/#SOC\\_127\)](http://catalog.jccc.edu/coursedescriptions/soc/#SOC_127)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60277 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Galbrecht F	Closed
60279 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Blank S	Closed

## SOC 131 - Sociology of Families

This is a sociological examination of marriage and the family as a social institution. It will emphasize social theory, changing roles, family formation, socialization, domestic conflict, interaction among family members and marriage partners, and the role of marriage and the family in society.

**Credit Hours: 3**

[Outline \(http://catalog.jccc.edu/coursedescriptions/soc/#SOC\\_131\)](http://catalog.jccc.edu/coursedescriptions/soc/#SOC_131)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60252 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Harris M	Closed

## Speech/Debate

## SPD 120 - Interpersonal Communication

This course focuses on the principles of effective speech communication in small group and one-to-one relationships. Theory and practice of interpersonal communication are studied and applied to a variety of life situations. The course focuses on perception, self-concept, listening, conflict, language, nonverbal communication and culture as they relate to interpersonal relationships.

**Credit Hours: 3**

**Associated Costs:** \$5 to \$10

[Outline \(http://catalog.jccc.edu/coursedescriptions/spd/#SPD\\_120\)](http://catalog.jccc.edu/coursedescriptions/spd/#SPD_120)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60046 001 F2F	M-W----	09:00-11:30 AM	06/03/19-07/25/19	CC 332	Vellinga H	Closed
<i>KBOR Seamless Transfer</i>						

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60053</b> 002 F2F	-T-R---	09:00-11:30 AM	06/04/19-07/25/19	CC 332	Broxterman P	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60054</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Sewell E	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: SPD 120 350 is a completely online section; there are no campus meetings. Students will use Canvas to access course materials, submit written work, participate in class discussion and communicate with the instructor and other students in the class. There are specific deadlines for the course. The course is not self-paced. For more information, contact the instructor, Emily Sewell, at 913-469-8500, ext. 5336, or e-mail esewell2@jccc.edu.						
<b>60055</b> 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Sewell E	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
Note: SPD 120 351 is a completely online section; there are no campus meetings. Students will use Canvas to access course materials, submit written work, participate in class discussion and communicate with the instructor and other students in the class. There are specific deadlines for the course. The course is not self-paced. For more information, contact the instructor, Emily Sewell, at 913-469-8500, ext. 5336, or e-mail esewell2@jccc.edu.						
<b>60056</b> 352 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Hubbard S	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						

## SPD 121 - Public Speaking

This course is designed to meet the needs of people who wish to improve their ability to prepare and deliver effective oral presentations before an audience. This fundamental speech course emphasizes creation of ideas, research techniques, outlining, audience analysis, organization and delivery techniques. Students will deliver a variety of speech types including informative and persuasive. 3 hrs. lecture/wk.

**Credit Hours: 3**

**Associated Costs:** \$5 to \$10

Outline ([http://catalog.jccc.edu/coursedescriptions/spd/#SPD\\_121](http://catalog.jccc.edu/coursedescriptions/spd/#SPD_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60057</b> 003 F2F	M-W----	08:00-10:30 AM	06/03/19-07/25/19	CC 216	Craig B	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60060</b> 004 F2F	M-W----	09:00-11:30 AM	06/03/19-07/25/19	CC 312	Coupe K	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60061</b> 005 F2F	M-W----	11:00-01:30 PM	06/03/19-07/25/19	CC 216	Craig B	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60062</b> 006 F2F	M-W----	12:00-02:30 PM	06/03/19-07/25/19	CC 312	Coupe K	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60063</b> 007 F2F	M-W----	12:30-03:00 PM	06/03/19-07/25/19	CC 318	Kingsford A	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60065</b> 008 F2F	M-W----	02:00-04:30 PM	06/03/19-07/25/19	CC 216	Rose T	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60066</b> 009 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	CC 332	Patrick B	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60067</b> 010 F2F	M-W----	06:00-08:30 PM	06/03/19-07/25/19	CC 216	Rose T	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60068</b> 011 F2F	-T-R---	09:30-12:00 PM	06/04/19-07/25/19	CC 312	Stout D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60069</b> 012 F2F	-T-R---	12:30-03:00 PM	06/04/19-07/25/19	CC 312	Stout D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60070</b> 013 F2F	-T-R---	12:00-02:30 PM	06/04/19-07/25/19	CC 332	Broxterman P	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60071</b> 014 F2F	-T-R---	06:00-08:30 PM	06/04/19-07/25/19	CC 216	Heapes T	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60072</b> 015 F2F	MTWR---	09:00-11:30 AM	06/03/19-06/27/19	CC 331	Buta C	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60073</b> 016 F2F	MTWR---	12:00-02:30 PM	06/03/19-06/27/19	CC 331	Schaefer M	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60074</b> 017 F2F	MTWR---	09:00-11:30 AM	07/01/19-07/25/19	CC 331	Naeymi D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60075</b> 018 F2F	MTWR---	12:00-02:30 PM	07/01/19-07/25/19	CC 331	Naeymi D	<b>Closed</b>
<i>KBOR Seamless Transfer</i>						
<b>60079</b> 376 HYB	-----	-	06/03/19-06/30/19	<b>Online</b>	Easley-Giraldo T	<b>Closed</b>
	---R---	09:00-11:45 AM	06/06/19-06/06/19	CC 325		
	---R---	09:00-11:45 AM	06/13/19-06/13/19	CC 325		
	---R---	09:00-11:45 AM	06/20/19-06/20/19	CC 325		
	---R---	09:00-11:45 AM	06/27/19-06/27/19	CC 325		
<i>KBOR Seamless Transfer</i>						
<i>Mandatory Classroom Meetings</i>						
Note: SPD 121 376 will incorporate the same content and expectations as the traditional on-campus course. In this hybrid online format, students will use Canvas to complete assignments, quizzes and communication functions. Students will also attend four required on-campus class meetings to present their speeches. The course will be available in Canvas on the first day of class. You must log into the course via Canvas to get started. For more information, contact the instructor, Terri Easley-Giraldo at <a href="mailto:teasley3@jccc.edu">teasley3@jccc.edu</a>						
<b>60119</b> 377 HYB	-----	-	06/03/19-06/30/19	<b>Online</b>	Schrag C	<b>Closed</b>
	---R---	09:30-12:15 PM	06/06/19-06/06/19	CC 216		
	---R---	09:30-12:15 PM	06/13/19-06/13/19	CC 216		
	---R---	09:30-12:15 PM	06/20/19-06/20/19	CC 216		
	---R---	09:30-12:15 PM	06/27/19-06/27/19	CC 216		
<i>KBOR Seamless Transfer</i>						
<i>Mandatory Classroom Meetings</i>						
<b>60080</b> 378 HYB	-----	-	06/03/19-06/30/19	<b>Online</b>	Easley-Giraldo T	<b>Closed</b>
	---R---	12:30-03:15 PM	06/06/19-06/06/19	CC 325		
	---R---	12:30-03:15 PM	06/13/19-06/13/19	CC 325		
	---R---	12:30-03:15 PM	06/20/19-06/20/19	CC 325		
	---R---	12:30-03:15 PM	06/27/19-06/27/19	CC 325		
<i>KBOR Seamless Transfer</i>						
<i>Mandatory Classroom Meetings</i>						
Note: SPD 121 378 will incorporate the same content and expectations as the traditional on-campus course. In this hybrid online format, students will use Canvas to complete assignments, quizzes and communication functions. Students will also attend four required on-campus class meetings to present their speeches. The course will be available in Canvas on the first day of class. You must log into the course via Canvas to get started. For more information, contact the instructor, Terri Easley-Giraldo at <a href="mailto:teasley3@jccc.edu">teasley3@jccc.edu</a>						
<b>60122</b> 379 HYB	-----	-	06/03/19-06/30/19	<b>Online</b>	Schrag C	<b>Closed</b>
	---R---	01:00-03:45 PM	06/06/19-06/06/19	CC 216		
	---R---	01:00-03:45 PM	06/13/19-06/13/19	CC 216		
	---R---	01:00-03:45 PM	06/20/19-06/20/19	CC 216		
	---R---	01:00-03:45 PM	06/27/19-06/27/19	CC 216		
<i>Mandatory Classroom Meetings</i>						
<i>KBOR Seamless Transfer</i>						
<b>60083</b> 380 HYB	-----	-	06/03/19-06/30/19	<b>Online</b>	Miller D	<b>Closed</b>
	---R---	03:00-05:45 PM	06/06/19-06/06/19	CC 332		
	---R---	03:00-05:45 PM	06/13/19-06/13/19	CC 332		
	---R---	03:00-05:45 PM	06/20/19-06/20/19	CC 332		
	---R---	03:00-05:45 PM	06/27/19-06/27/19	CC 332		
<i>KBOR Seamless Transfer</i>						
<i>Mandatory Classroom Meetings</i>						
Note: SPD 121 380 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. For more information, contact the instructor, Deana Miller, at 913-469-8500, ext. 4522, or at <a href="mailto:demiller@jccc.edu">demiller@jccc.edu</a> .						

CRN	Days	Time	Date	Location	Instructor	Seats Open
60076 381 HYB	-----	-	06/03/19-06/30/19	Online	Stanley J	Closed
	---R---	03:00-05:45 PM	06/06/19-06/06/19	CC 331		
	---R---	03:00-05:45 PM	06/13/19-06/13/19	CC 331		
	---R---	03:00-05:45 PM	06/20/19-06/20/19	CC 331		
	---R---	03:00-05:45 PM	06/27/19-06/27/19	CC 331		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: SPD 121 381 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. An email with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Justin Stanley, at 913-469-8500, ext. 3909, or at [jstanl26@jccc.edu](mailto:jstanl26@jccc.edu).

60123 382 HYB	-----	-	06/03/19-06/30/19	Online	Miller D	Closed
	---R---	06:00-08:45 PM	06/06/19-06/06/19	CC 332		
	---R---	06:00-08:45 PM	06/13/19-06/13/19	CC 332		
	---R---	06:00-08:45 PM	06/20/19-06/20/19	CC 332		
	---R---	06:00-08:45 PM	06/27/19-06/27/19	CC 332		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: SPD 121 382 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. For more information, contact the instructor, Deana Miller, at 913-469-8500, ext. 4522, or at [demiller@jccc.edu](mailto:demiller@jccc.edu).

60078 383 HYB	-----	-	06/03/19-06/30/19	Online	Stanley J	Closed
	---R---	06:00-08:45 PM	06/06/19-06/06/19	CC 331		
	---R---	06:00-08:45 PM	06/13/19-06/13/19	CC 331		
	---R---	06:00-08:45 PM	06/20/19-06/20/19	CC 331		
	---R---	06:00-08:45 PM	06/27/19-06/27/19	CC 331		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

Note: SPD 121 383 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. An email with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Justin Stanley, at 913-469-8500, ext. 3909, or at [jstanl26@jccc.edu](mailto:jstanl26@jccc.edu).

60126 385 HYB	-----	-	07/01/19-07/25/19	Online	Dillavou T	Closed
	M-----	09:00-11:45 AM	07/08/19-07/08/19	CC 325		
	---R---	09:00-11:45 AM	07/11/19-07/11/19	CC 325		
	---R---	09:00-11:45 AM	07/18/19-07/18/19	CC 325		
	---R---	09:00-11:45 AM	07/25/19-07/25/19	CC 325		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: This section of SPD 121 is a hybrid course that incorporates the same content and expectations as a traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. Students must attend all 4 on-campus sessions. This course will be available the first day of classes. For more information, contact the instructor, Traci Dillavou at [tdillavo@jccc.edu](mailto:tdillavo@jccc.edu)

60129 386 HYB	-----	-	07/01/19-07/25/19	Online	Dillavou T	Closed
	M-----	12:30-03:15 PM	07/08/19-07/08/19	CC 325		
	---R---	12:30-03:15 PM	07/11/19-07/11/19	CC 325		
	---R---	12:30-03:15 PM	07/18/19-07/18/19	CC 325		
	---R---	12:30-03:15 PM	07/25/19-07/25/19	CC 325		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: This section of SPD 121 is a hybrid course that incorporates the same content and expectations as a traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. Students must attend all 4 on-campus sessions. This course will be available the first day of classes. For more information, contact the instructor, Traci Dillavou at [tdillavo@jccc.edu](mailto:tdillavo@jccc.edu)

CRN	Days	Time	Date	Location	Instructor	Seats Open
60133 387 HYB	-----	-	07/01/19-07/25/19	Online	Vasquez A	Closed
	M-----	03:30-06:15 PM	07/08/19-07/08/19	CC 312		
	---R---	03:30-06:15 PM	07/11/19-07/11/19	CC 312		
	---R---	03:30-06:15 PM	07/18/19-07/18/19	CC 312		
	---R---	03:30-06:15 PM	07/25/19-07/25/19	CC 312		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

Note: SPD 121 387 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. A letter with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Ashley Vasquez, at 913-469-8500, ext. 2606, or at [avasque3@jccc.edu](mailto:avasque3@jccc.edu).

60142 388 HYB	-----	-	07/01/19-07/25/19	Online	Fagan M	Closed
	M-----	06:00-08:45 PM	07/08/19-07/08/19	CC 325		
	---R---	06:00-08:45 PM	07/11/19-07/11/19	CC 325		
	---R---	06:00-08:45 PM	07/18/19-07/18/19	CC 325		
	---R---	06:00-08:45 PM	07/25/19-07/25/19	CC 325		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: SPD 121 388 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. A letter with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Carol Fagan at [cfagan@jccc.edu](mailto:cfagan@jccc.edu).

60148 390 HYB	-----	-	06/03/19-07/25/19	Online	Mohr M	Closed
	-T-----	09:30-12:15 PM	06/18/19-06/18/19	CC 216		
	-T-----	09:30-12:15 PM	07/02/19-07/02/19	CC 216		
	-T-----	09:30-12:15 PM	07/16/19-07/16/19	CC 216		
	-T-----	09:30-12:15 PM	07/23/19-07/23/19	CC 216		

*Mandatory Classroom Meetings*

*KBOR Seamless Transfer*

60150 391 HYB	-----	-	06/03/19-07/25/19	Online	Vasquez A	Closed
	-T-----	10:00-12:45 PM	06/18/19-06/18/19	CC 325		
	-T-----	10:00-12:45 PM	07/02/19-07/02/19	CC 325		
	-T-----	10:00-12:45 PM	07/16/19-07/16/19	CC 325		
	-T-----	10:00-12:45 PM	07/23/19-07/23/19	CC 325		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: SPD 121 391 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. A letter with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Ashley Vasquez, at 913-469-8500, ext. 2606, or at [avasque3@jccc.edu](mailto:avasque3@jccc.edu).

60152 392 HYB	-----	-	06/03/19-07/25/19	Online	Vasquez A	Closed
	-T-----	01:00-03:45 PM	06/18/19-06/18/19	CC 325		
	-T-----	01:00-03:45 PM	07/02/19-07/02/19	CC 325		
	-T-----	01:00-03:45 PM	07/16/19-07/16/19	CC 325		
	-T-----	01:00-03:45 PM	07/23/19-07/23/19	CC 325		

*KBOR Seamless Transfer*

*Mandatory Classroom Meetings*

Note: SPD 121 392 is a hybrid course that will incorporate the same content and expectations as the traditional on-campus course. Students will use Canvas to complete written assignments, testing and to communicate with the instructor and fellow students. In addition, attendance at four on-campus sessions to deliver speeches to fellow students and the instructor is required. A letter with more explanation will be sent, via JCCC stumail, to students approximately one week before the first day of class. For more information, contact the instructor, Ashley Vasquez, at 913-469-8500, ext. 2606, or at [avasque3@jccc.edu](mailto:avasque3@jccc.edu).

60153 393 HYB	-----	-	06/03/19-07/25/19	Online	Mohr M	Closed
	-T-----	01:00-03:45 PM	06/18/19-06/18/19	CC 216		
	-T-----	01:00-03:45 PM	07/02/19-07/02/19	CC 216		

CRN	Days	Time	Date	Location	Instructor	Seats Open
	-T-----	01:00-03:45 PM	07/16/19-07/16/19	CC 216		
	-T-----	01:00-03:45 PM	07/23/19-07/23/19	CC 216		
<i>KBOR Seamless Transfer</i>						
<i>Mandatory Classroom Meetings</i>						
<b>60145</b> 394 HYB	-----	-	06/03/19-07/25/19	<b>Online</b>	Vietti E	<b>Closed</b>
	--W----	06:00-08:45 PM	06/19/19-06/19/19	CC 325		
	--W----	06:00-08:45 PM	07/03/19-07/03/19	CC 325		
	--W----	06:00-08:45 PM	07/17/19-07/17/19	CC 325		
	--W----	06:00-08:45 PM	07/24/19-07/24/19	CC 325		

*KBOR Seamless Transfer*  
*Mandatory Classroom Meetings*

## SPD 155 - Workplace Skills

This course focuses on communication concepts and skills utilized in the workplace. The course demonstrates the relationships between listening; oral communication; human relations skills; problem-solving and teamwork dynamics; time and resource management; and work ethics and job interviewing; with success in a student's desired field.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/spd/#SPD\\_155](http://catalog.jccc.edu/coursedescriptions/spd/#SPD_155))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60885</b> 001 F2F	---F--	09:00-10:50 AM	06/07/19-07/19/19	ITC 188	Bedell T	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<b>60886</b> 002 F2F	----SU	08:00-05:30 PM	06/22/19-06/23/19	ITC 188	Bedell T	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
Note: This section meets Saturday AND Sunday						
<b>60914</b> 101 F2F	M-W----	05:00-06:30 PM	06/17/19-07/19/19	ITC 110	Harrison T	<b>Closed</b>
<i>Accelerating Opportunity KS</i>						
<b>60916</b> 376 HYB	-----	-	06/03/19-07/05/19	<b>Online</b>	Harrison T	1 of 6
	-T--FSU	07:00-04:00 PM	07/06/19-07/12/19	ITC		

*Accelerating Opportunity KS*  
Requirement: NARS dir/JCCC div adm approval

## SPD 180 - Intercultural Communication

The Intercultural Communication course is concerned with communication theory as it relates to cross-cultural interactions. This course utilizes concepts drawn from sociology, psychology, anthropology and communication. Focus is on identifying the cultural bases of beliefs, attitudes, values and behaviors. Objectives include recognizing commonalities across cultures, tolerating ambiguity in a variety of situations, developing a more global multicultural perspective, identifying and appreciating other cultural orientations, and recognizing and assigning cultural explanations to specific behaviors.

**Credit Hours: 3**

**Associated Costs:** \$5 to \$10

Outline ([http://catalog.jccc.edu/coursedescriptions/spd/#SPD\\_180](http://catalog.jccc.edu/coursedescriptions/spd/#SPD_180))

CRN	Days	Time	Date	Location	Instructor	Seats Open
<b>60088</b> 350 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Gibbens M	<b>Closed</b>
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
Note: For more information, contact the instructor, Meridith Gibbens at <a href="mailto:mgibbens@jccc.edu">mgibbens@jccc.edu</a> .						
<b>60089</b> 351 ONLNE	-----	-	06/03/19-07/25/19	<b>Online</b>	Welsch L	<b>Closed</b>

CRN	Days	Time	Date	Location	Instructor	Seats Open
<i>Cultural Diversity Designation</i>						
<i>General Education Designation</i>						
Note: SPD 180 351 is a completely online section; there are no campus meetings. Students will use Canvas to access course materials, submit written work, participate in class discussion and communicate with the instructor and other students in the class. There are specific deadlines for the course. The course is not self-paced. For more information, contact the instructor, Lindsey Welsch, at 913-469-8500, ext. 5323, or e-mail lwelsch@jccc.edu.						
60091 352 ONLINE	-----	-	06/03/19-07/25/19	Online	Welsch L	Closed

*Cultural Diversity Designation*  
*General Education Designation*

Note: SPD 180 352 is a completely online section; there are no campus meetings. Students will use Canvas to access course materials, submit written work, participate in class discussion and communicate with the instructor and other students in the class. There are specific deadlines for the course. The course is not self-paced. For more information, contact the instructor, Lindsey Welsch, at 913-469-8500, ext. 5323, or e-mail lwelsch@jccc.edu.

## Theater

### THEA 120 - Introduction to Theater

Students will be introduced to a variety of theatrical experiences, which includes reading plays and analyzing live theatre performances. This course also offers opportunities to experience theatre through set construction, design, stage and costume crew, or acting if the student desires.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/thea/#THEA\\_120](http://catalog.jccc.edu/coursedescriptions/thea/#THEA_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60271 351 ONLINE	-----	-	06/03/19-07/25/19	Online	Roose A	Closed

*KBOR Seamless Transfer*  
*General Education Designation*

60272 352 ONLINE	-----	-	07/01/19-07/25/19	Online	Roose A	Closed
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*KBOR Seamless Transfer*  
*General Education Designation*

### THEA 121 - Fundamentals of Acting

This course is designed to teach the fundamentals of acting for those students who have little or no experience in the theatre. We will overview all the tools used by actors, including improvisation, vocal, physical and psychological warm-ups, building trust, relaxation and discipline techniques. Students will complete a minimum of three in-class performances.

**Credit Hours: 3**

Outline ([http://catalog.jccc.edu/coursedescriptions/thea/#THEA\\_121](http://catalog.jccc.edu/coursedescriptions/thea/#THEA_121))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60273 001 F2F	-T-R---	03:00-05:50 PM	06/04/19-07/25/19	CC BLBOX	Noble T	Closed

## Writing Center

### WCTR 103 - Practical Writing Skills

This Writing Center course is designed to enable writers to review parts of speech, learn the elements of a sentence, and learn basic sentence patterns. Emphasis is on simple sentence composing and combining, using complex and compound sentences. Students are encouraged practice writing to develop fluency of text.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_103](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_103))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60026 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 107 - Sentence Pattern Skills

This Writing Center course is designed to enable writers to identify parts of speech, elements of a sentence, and basic sentence patterns. Emphasis is on simple sentence composing and combining. Students are encouraged practice writing to develop fluency of text.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_107](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_107))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60027 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	49 of 50

## WCTR 108 - Composing Skills

This course is designed to teach students how to write at the paragraph level. Students will learn how to choose a topic, narrow the topic, and to organize and develop the topic using supporting evidence. Emphasis will be given to revision and editing strategies emphasizing fluency of text.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_108](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_108))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60028 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 109 - Proofreading Skills

This course is designed to provide students with strategies and rules that will help them recognize and repair common grammar, usage, and mechanical errors in their writing.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_109](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_109))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60029 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 110 - English Grammar Review

This course reviews parts of speech, sentence elements, sentence patterns, and common sentence level errors. This course facilitates the development of writing fluency.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_110](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_110))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60030 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 112 - Research Skills

This research skills course covers selectively gathering resource materials, synthesizing the information, and developing an academic essay in an agreed citation format.

**Credit Hours: 1**

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_112](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_112))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60031 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 115 - Revision Skills

This revision skills class exposes the practicing writer to strategies and resources used to revise all writing, including business, academic, and personal writing. Revision Skills compliments courses in which writing is assigned and encourages students to use current writing activities or assignments to facilitate deeper understanding of revision practices.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_115](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_115))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60032 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	50 of 50

## WCTR 120 - Writing in the Disciplines

This course is designed to complement and/or support students enrolled in classes in which writing is intrinsic to the curriculum. Students will be exposed to different format styles and genres and encouraged to use revision strategies to increase writing ability.

**Credit Hours:** 1

Outline ([http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR\\_120](http://catalog.jccc.edu/coursedescriptions/wctr/#WCTR_120))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60033 960 IND	-----	-	06/03/19-07/25/19	LIB 308	Byrne K	49 of 50

## Web Development Digital Media

### WEB 110 - HTML and CSS

This course will cover the essential skills needed to create responsive websites, using HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). Students will be introduced to the concepts, foundations, syntax and structure of HTML and CSS. Additional topics include the use of File Transfer Protocol (FTP) to publish websites and validation to web standards established by the World Wide Web Consortium (W3C) and other organizations.

**Credit Hours:** 3

Outline ([http://catalog.jccc.edu/coursedescriptions/web/#WEB\\_110](http://catalog.jccc.edu/coursedescriptions/web/#WEB_110))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60317 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hanna A	Closed
<i>Accelerating Opportunity KS</i> <i>SB 155 Excel in CTE</i>						
60318 351 ONLNE	-----	-	06/03/19-07/25/19	Online	Bandel W	Closed
<i>Accelerating Opportunity KS</i> <i>SB 155 Excel in CTE</i>						
60929 352 ONLNE	-----	-	06/03/19-07/25/19	Online	Hanna A	Closed
<i>SB 155 Excel in CTE</i> <i>Accelerating Opportunity KS</i>						

### WEB 114 - Web Scripting: JavaScript I

Students will study the purpose for and principles of client-side scripting using JavaScript. Topics include JavaScript variables, operators, expressions, functions, control structures, arrays and event listeners. Students will use professional techniques to write and debug code. JavaScript security issues will be explored. Prerequisite or Corequisite: WEB 110.

**Credit Hours:** 2

**Associated Costs:** \$50 to \$75

Outline ([http://catalog.jccc.edu/coursedescriptions/web/#WEB\\_114](http://catalog.jccc.edu/coursedescriptions/web/#WEB_114))

CRN	Days	Time	Date	Location	Instructor	Seats Open
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CRN	Days	Time	Date	Location	Instructor	Seats Open
60319 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Young A	Closed
<i>Accelerating Opportunity KS SB 155 Excel in CTE</i>						
60320 376 HYB	M-----	05:00-06:50 PM	06/03/19-07/22/19	RC 376	Young A	Closed
	-----	-	06/03/19-07/22/19	Online		
<i>SB 155 Excel in CTE Accelerating Opportunity KS Mandatory Classroom Meetings</i>						

## WEB 116 - Digital Media Concepts

This course examines the digital media creation process and the impact of emerging technology on that process. Emphasis is placed on the need to understand target audiences, as well as the impact of content on those audiences. Creative culture is examined so students may begin to understand the relationship between ideas and the structure and management of the organizations and intellectual property systems used to express those ideas.

**Credit Hours: 2**

**Associated Costs:** \$10-\$15

Outline ([http://catalog.jccc.edu/coursedescriptions/web/#WEB\\_116](http://catalog.jccc.edu/coursedescriptions/web/#WEB_116))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60321 001 F2F	-T-R---	05:30-08:20 PM	06/04/19-07/11/19	RC 376	Nord E	Closed
<i>Accelerating Opportunity KS</i>						

## WEB 122 - CSS Techniques & Projects

Students will apply Cascading Style Sheet (CSS) techniques through the use of professional, advanced website development projects. Industry-standard Hypertext Markup Language (HTML) semantic markup practices and presentation separation through CSS is emphasized. CSS topics include professional syntax practices, formatting and layout skills. Advanced CSS skills for float, positioning, alignment and image formatting are covered. Prerequisite: WEB 110.

**Credit Hours: 3**

**Associated Costs:** \$10-\$15

Outline ([http://catalog.jccc.edu/coursedescriptions/web/#WEB\\_122](http://catalog.jccc.edu/coursedescriptions/web/#WEB_122))

CRN	Days	Time	Date	Location	Instructor	Seats Open
60913 350 ONLNE	-----	-	06/03/19-07/25/19	Online	Hopper J	Closed
<i>SB 155 Excel in CTE</i>						

## Promoted Searches

- [Winter Session Classes \(/class/results/term\\_type/Credit?query=keywords%3Awinter&ecid=featured\)](#)
- [Online Classes \(/class/results/term\\_type/Credit/section\\_status/OPEN/section\\_delivery\\_method/ONLNE?ecid=featured\)](#)
- [Evening Classes \(/class/results/term\\_type/Credit/section\\_status/OPEN/meeting\\_time\\_category/EVENING?ecid=featured\)](#)
- [Classes Starting Soon \(/class/results/term\\_type/Credit/section\\_status/OPEN?startDaysOut=30&ecid=featured\)](#)
- [SB 155 Excel in CTE Classes \(/class/results/term\\_type/Credit?query=keywords%3As155&ecid=featured\)](#)
- [Short-term Classes \(/class/results/term\\_type/Credit?query=keywords%3Ashortterm&ecid=featured\)](#)

## Resources for Credit Students

- [Steps to enroll \(http://www.jccc.edu/enroll/credit-steps\)](http://www.jccc.edu/enroll/credit-steps)
- [Academic calendar \(http://www.jccc.edu/calendars\)](http://www.jccc.edu/calendars)
- [Course catalog \(http://catalog.jccc.edu\)](http://catalog.jccc.edu)
- [Archived course schedules \(http://www.jccc.edu/enroll/archived-course-schedules.html\)](http://www.jccc.edu/enroll/archived-course-schedules.html)
- [KBOR Transfer \(http://www.kansasregents.org/transfer\\_articulation\)](http://www.kansasregents.org/transfer_articulation)

## Need help?

Please call the Success Center at 913-469-3803 (tel:9134693803) for assistance.

