

# TEST

---

## AC-231 PRINCIPLES OF ACCOUNTING I 3 Credits

Surveys accounting principles, practices, and decision making in organizations. Addresses topics of managerial, financial, not-for-profit, taxation, and international accounting. Develops and applies analytic accounting skills and techniques to management decision making. Continued in AC-232 Principles of Accounting II.

## AC-232 PRINCIPLES OF ACCOUNTING II 3 Credits

A continuation of AC-231. Pre-requisite: A grade of 'C-' or better in AC-231.

## AC-290 DIRECTED STUDY IN ACCOUNTING 1-12 Credits

## AC-291 WORKSHOP IN ACCOUNTING 1-12 Credits

## AC-292 SPECIAL TOPICS IN ACCOUNTING 1-12 Credits

## BIOF-100 INTRODUCTION TO BIOINFORMATICS 3 Credits

An introduction to bioinformatics as a scientific discipline. No prior knowledge needed. Emphasis is on the application of computational tools and techniques to solving Molecular Biology problems. Topics include: essential concepts in Molecular Biology, DNA sequencing methods, sequence alignment methods, sequence databases and web servers, regulatory sequence motif finding, sequence variation and phylogenetics. Pre-requisite: Placement into core MATH or above.

## BIOF-301 COMPUTATIONAL GENOMICS 3 Credits

Introduction to the current computational methods for whole genome sequence analysis. Emphasis is on large-scale sequence data analysis in a high-performance UNIX/Linux computing environment. Topics include, genome structure and organization, whole genome assembly and annotation, comparative genomics, transcriptome assembly and gene expression analysis, genome arithmetic, DNA polymorphism detection, and small RNA Biology and analysis. Pre-requisite: MATH-170 and CS-250, with a grade of C or better.

## BIOF-350 IMAGE ANALYSIS 4 Credits

Covers image processing techniques with application to biological images. This includes scanning technology, image segmentation, application of machine learning to image analysis, and development of automatic image analysis software. Programming experience is expected. Students will both use and develop image analysis software. Pre-requisite: MATH-170 and CS-250, with a grade of C or better.

## BIOF-399 Research Assistantship 12 Credits

Research Assistantship in Bioinformatics.

## BIOF-495 PRACTICUM IN BIOINFORMATICS 1-12 Credits

View on YouTube ([https://www.youtube.com/watch?v=kQS0y\\_uVuqs](https://www.youtube.com/watch?v=kQS0y_uVuqs))

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
ACCPT-101	BASIC ACCOUNTING I	3.00
ACCPT-105	PAYROLL ACCOUNTING	3.00
ACCPT-190	DIRECTED STUDY IN ACCOUNTING	3.00
ACCPT-191	WORKSHOP IN ACCOUNTING	6.00
ACCPT CORE		
ACCPT CORE	Accounting	
	<b>Credits</b>	<b>15.00</b>
<b>Spring</b>		
CITPT-101	INTRODUCTION TO WEB DESIGN & DEVELOPMEN	3.00
CITPT-102		1.00
CITPT-106		3.00
CITPT Core		3.00
	<b>Credits</b>	<b>10.00</b>
	<b>Total Credits</b>	<b>25.00</b>

<sup>1</sup> See Academic Programs (<http://catalog.lcsc.edu/academic-programs/>) for course options

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
ENGL-101	WRITING AND RHETORIC I	3.00
MATH-123	MATH IN MODERN SOCIETY	3.00
BUS-101	INTRODUCTION TO BUSINESS	3.00
CORE HUM <sup>1</sup>		3.00
CORE SS		
CORE Humanities		
CORE COMM <sup>1</sup>		3.00
<b>Credits</b>		<b>15.00</b>
<b>Spring</b>		
SCIENTIFIC WAYS OF KNOWING <sup>1</sup>		3.00
ENGL-102	WRITING AND RHETORIC II	3.00
DIVERSITY		3.00
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY	3.00
GENERAL ELECTIVE		3.00
<b>Credits</b>		<b>15.00</b>
<b>Second Year</b>		
<b>Fall</b>		
AC-231	PRINCIPLES OF ACCOUNTING I	3.00
ECON-201	PRINCIPLES OF MACROECONOMICS	3.00
ENGL-203	TECHNICAL WRITING	3.00
HUM CORE	Select one course from Scientific Ways of Knowing	4.00
General Elective		3.00
<b>Credits</b>		<b>16.00</b>
<b>Spring</b>		
AC-232	PRINCIPLES OF ACCOUNTING II	3.00
ECON-202	PRINCIPLES OF MICROECONOMICS	3.00
BUS-221	INTRODUCTION TO COMPUTERS/INFO SYSTEMS	3.00
CORE LIT		3.00
General Elective		3.00
<b>Credits</b>		<b>15.00</b>
<b>Total Credits</b>		<b>61.00</b>
Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
AC-231/ACCPT-232 or ACCPT-231	PRINCIPLES OF ACCOUNTING I or PRINCIPLES OF ACCOUNTING I	3.00
<b>Credits</b>		<b>3.00</b>
<b>Total Credits</b>		<b>3.00</b>

Program Name	Program Type
Academic Programs NEW Table ( <a href="http://catalog.lcsc.edu/course-descriptions/">http://catalog.lcsc.edu/course-descriptions/</a> )	NEW