

# OER and ZTC

Look for these icons in SAC class schedules:



## What is OER?

**Open Educational Resources (OER)** are course materials that can be used and reused freely at no cost. Unlike conventional copyrighted course material, OER material creators retain few, if any, ownership rights. Why is that important? The premise of OER is to provide “free and unfettered access, and perpetual, irrevocable 5R permissions” that allow instructors and students to “Retain, Reuse, Revise, Remix, and Redistribute” the course material. (Dr. David Wiley, October 2016)



## What is ZTC?

The **Zero Textbook Cost (ZTC)** Degree program is one of the Open Educational Resources (OER) initiatives to improve teaching, learning, and accessibility for all learners at California Higher Education institutions. SAC is one of 20 California Community Colleges to be awarded the Implementation Phase II RFA for 2017/18. Courses designated as Zero Textbook Cost eliminate conventional textbook costs by using alternative instructional materials and methodologies, including open educational resources.

## What is an OER/ZTC Degree Pathway?

An OER/ZTC pathway is a series of designated courses that allow students to spend less money on textbooks and materials while obtaining their degree or certification.

## Why use OER and ZTC?

**Significant cost savings.** OER and ZTC provide course materials and textbook options at no-cost or low-cost.

**Flexibility.** Course materials are available in different formats, including print, audio, video, and interactive technology.

**Availability.** Materials are available on the first day of classes, to ensure your successful start and degree completion.

## Making classes more accessible to students

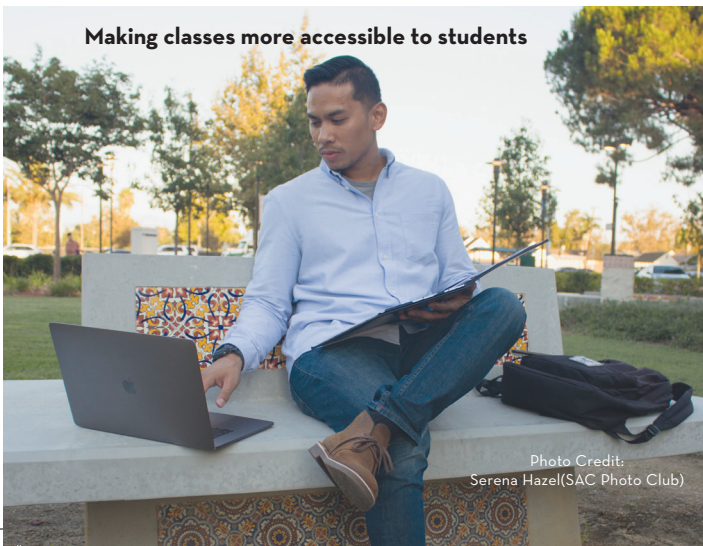


Photo Credit:  
Serena Hazel(SAC Photo Club)



**\*Open Educational Resources (OER)** uses materials that are in the public domain or openly licensed, that can be used for teaching, learning, and research.



**\*Zero Textbook Cost (ZTC)** courses eliminate conventional textbook costs by using alternative instructional materials and methodologies, including open educational resources.

On WebAdvisor:

☒ OER and ZTC

## DISTANCE EDUCATION

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## NONDISCRIMINATION POLICY

The Rancho Santiago Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics. Inquiries regarding compliance and/or grievance procedures may be directed to District's Title IX Officer and/or Section 504/ADA Coordinator, RSCCD Title IX Officer and Section 504/ADA Coordinator: Judy Chitlik, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.



**SANTA ANA COLLEGE**  
**Online Degree Pathway**

1530 W. 17th Street, Santa Ana, CA 92706 • [www.sac.edu/oer](http://www.sac.edu/oer)

# DEGREE PATHWAYS

- Business Administration AS-T
- Liberal Arts AA
- Physics AS-T

*Say goodbye  
to the high cost  
of textbooks!*

**Now you can  
pursue your  
degree using**

**FREE**

or

**LOW COST**

**materials  
thanks to**

**OER\* & ZTC\***

**Santa Ana College**

## OER/ZTC Degree Pathway: Business Administration – AS-T

(Associate Degree for Transfer)

The following sequence allows students to meet all course requirements for the Business Administration AS-T. Most courses will be offered in multiple offerings of day, evening and online. Students are able to search for OER/ZTC sections offerings in WebAdvisor.

1st Semester: Fall		Units
Comm. Studies 102	Public Speaking	3
Art 100	Introduction to Art Concepts	3
Business 150	Intro to Information Systems & Applications	3
History 120	The United States to 1865	3
2nd Semester: Spring		
English 101*	Freshman Composition	4
Chemistry 109	Chemistry in the Community	4
Music 101	Music Appreciation	3
Mathematics 150**	Calculus for Biological/Maagement/Social Sciences or	4
Mathematics 219***	Statistics and Probability	
3rd Semester: Fall		
Business 130	Personal Finance	3
Business 222****	Business Writing	3
Accounting 101	Financial Accounting	4
Economics 120	Principles of Macroeconomics	3
4th Semester: Spring		
English 103****	Critical Thinking and Writing	4
Economics 121	Principles of Microeconomics	3
Philosophy 108	Ethics	3
Accounting 102	Managerial Accounting	4
Summer		
Biology 109	Fundamentals of Biology	3
Business 105	Legal Environment of Business	3
<b>TOTAL TRANSFERABLE UNITS</b>		<b>60</b>

- \* Prerequisite: English 061, EMLS 112, ACE 116 or qualifying profile from English Placement Test  
 \*\* Prerequisite: Math 140 (Offered Intersession & Summer)  
 \*\*\* Prerequisite: Math 83 (Offered Intersession & Summer)  
 \*\*\*\* Prerequisite: English 101

## OER/ZTC Degree Pathway: Liberal Arts AA

Arts, Humanities, Communication Emphasis

The following sequence allows students to meet all course requirements for the Liberal Arts A.A. Emphasis: Arts, Humanities & Communication. Most courses will be offered in multiple offerings of day, evening and online. Students are able to search for OER/ZTC sections offerings in WebAdvisor.

1st Semester: Fall		Units
History 120	The United States to 1865	3
Kinesiology 123	Personal Fitness Training	1
Counseling 116	Career/Life Planning & Personal Exploration	3
Comm. Studies 102	Public Speaking	3
Earth Science 110	Intro to Earth Science	3
2nd Semester: Spring		
English 101*	Freshman Composition	4
Sociology 100	Intro to Sociology	3
Art 100	Intro to Art Concepts	3
Biology 109	Fundamentals of Biology	3
3rd Semester: Fall		
Mathematics 083**	Beginning and Intermediate Algebra	6
Anthropology 100	Intro to Cultural Anthropology	3
Computer 100	Computer and Society	3
Nutrition 115	Nutrition and Food	3
4th Semester: Spring		
English 103***	Critical Thinking and Writing	4
Business 130	Personal Finance	3
Kinesiology Professional 150	Sports and Society	3
Philosophy 108	Ethics	3
Summer		
Music 101	Music Appreciation	3
Psychology 100	Intro to Psychology	3
<b>TOTAL TRANSFERABLE UNITS</b>		<b>60</b>

- \* Prerequisite is English 61, EMLS 112, ACE 116 or qualifying profile from English Placement Test  
 \*\* Prerequisite is Math N48  
 \*\*\* Prerequisite is English 101

## ZTC Degree Pathway: Physics – AS-T

(Associate Degree for Transfer)

The following sequence allows students to meet all course requirements for the Physics AS-T with ZERO TEXTBOOK COST. Most courses will be offered in multiple offerings of day, evening and online. Students are able to search for ZTC sections offerings in WebAdvisor.

1st Semester: Fall		Units
Comm. Studies 102	Public Speaking	3
Art 100	Introduction to Art Concepts	3
Kinesiology 123	Personal Fitness Training	1
History 120	The United States to 1865	3
Mathematics 180*	Analytic Geometry & Calculus I	4
2nd Semester: Spring		
English 101**	Freshman Composition	4
Biology 109	Fundamentals of Biology	3
Physics 217 ***	Engineering Physics I	4
Mathematics 185 ***	Analytic Geometry & Calculus II	4
3rd Semester: Fall		
Business 130	Personal Finance	3
Psychology 100	Intro to Psychology	3
Physics 227 ***	Engineering Physics II	4
Mathematics 280 ***	Intermediate Calculus	4
4th Semester: Spring		
English 103	Critical Thinking and Writing	4
Kinesiology Professional 150	Sport and Society	3
Philosophy 108	Ethics	3
Physics 237 ***	Engineering Physics III	4
Summer		
Music 101	Music Appreciation	3
<b>TOTAL TRANSFERABLE UNITS</b>		<b>60</b>

- \* Prerequisite: Math 170  
 \*\* Prerequisite: English 061, EMLS 112, ACE 116 or qualifying profile from English Placement Test  
 \*\*\* Refer to college catalog for required prerequisites

“One of my favorite things  
about OER/ZTC is that it  
is tailored to the different  
learning styles.”

- Eduardo Guapilla



Photo Credit: Mathew Martinez (SAC Photo Club)

“Being able to access OER/  
ZTC from our cell phones  
and any hotspot, allows us to  
interact with school more.”

- Eileen Zavala