



# MCO OER Report – Winter 2020

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## Overview

During fall 2019 semester, nineteen colleges reported usage of Open Educational Resources (OER) and other no or low costs instructional materials to the Michigan Colleges Online. This is Henry Ford College and Oakland Community College's first OER report submitted.

Alpena	Kirtland	Schoolcraft
Bay	Lansing	Southwestern
Delta	Mid	St Clair
Glen Oaks	Mott	Washtenaw
Grand Rapids	Muskegon	West Shore
Henry Ford	Northwestern	
Jackson	Oakland	

Colleges reported the courses using OER or no cost instructional materials and number of students enrolled in each course. The MCO OER Steering Committee agreed in fall 2016 to determine cost savings for students based on the multiplier of \$100 per student. This multiplier is a common method used throughout the nation to reflect the multiple options - such as purchasing used texts, rentals, e-textbooks, etc. - that students may/can use when purchasing a required textbook. Because there may not be a commercial text by which we can compare savings to, this report will show the estimated cost savings based on the \$100 per student multiplier for each course.

## Impact on Students

The charts below show the impact on students as compared by semester.

Chart 1 shows that the total savings for students, assuming a \$100 per textbook cost, is over \$3 million dollars statewide for community college students for just the Winter 2020 semester. This is through the adoption of OER or no cost textbooks across nearly 400 courses as shown in Chart 2 and impacted over 33,000 students.

Since the Fall of 2016, students have saved nearly \$23 million dollars through this initiative!

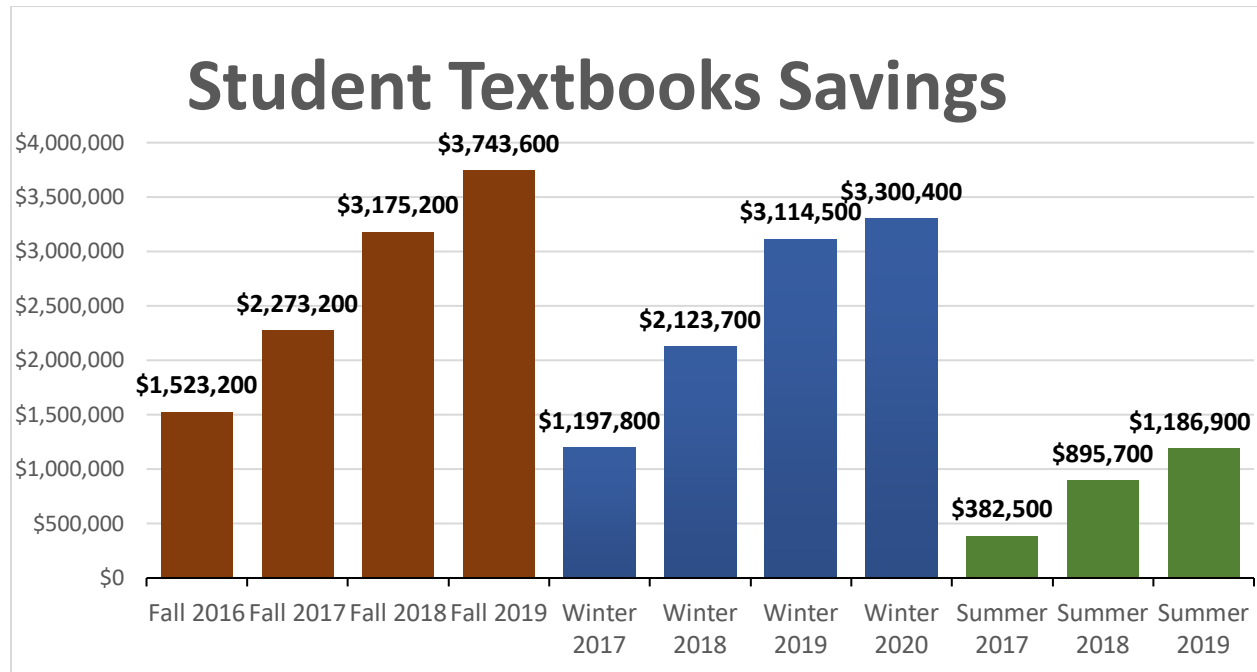


Chart 1. Student Textbook Savings by Semester.

## Courses Using OER/No Cost Materials

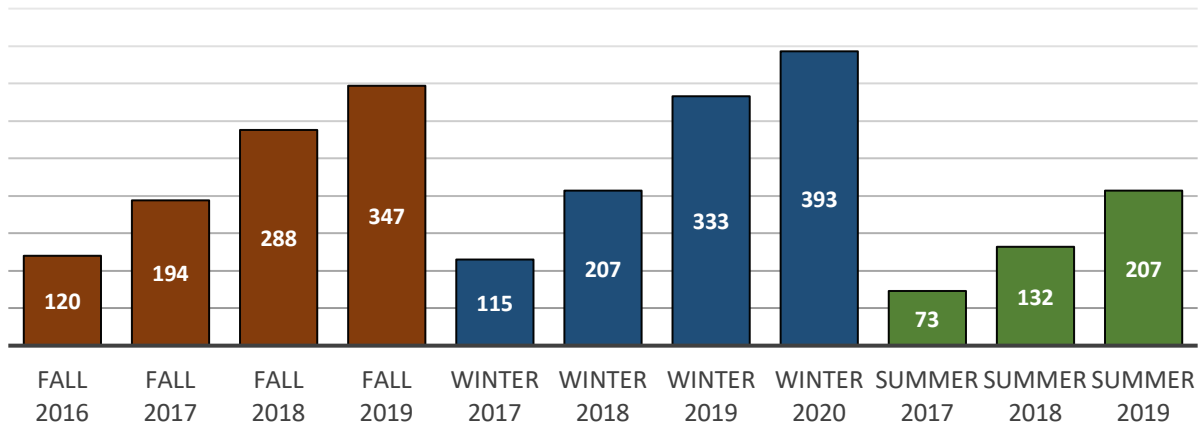


Chart 2. Number of Courses Using OER Textbooks by Semester.

## Students Using OER/No Cost Materials

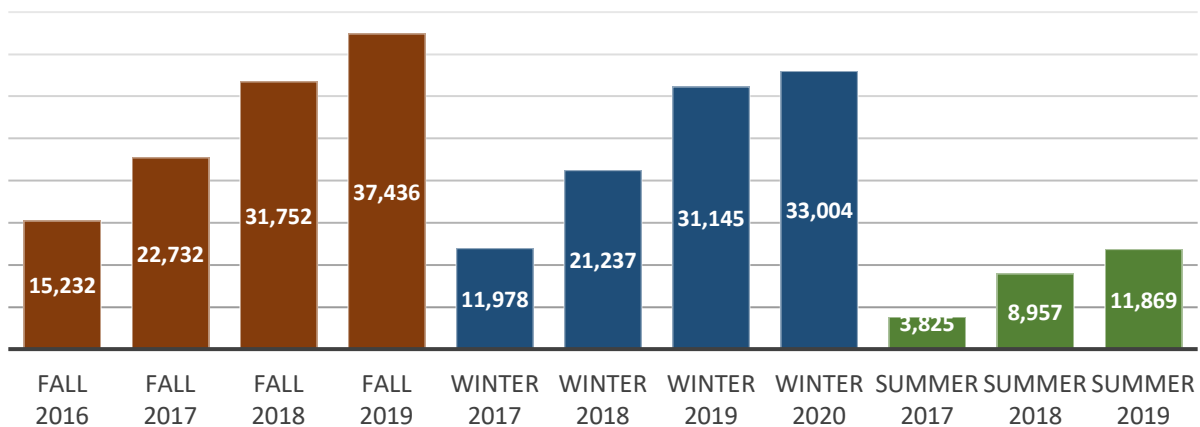


Chart 3. Number of Students Using OER Textbooks by Semester.

## Detailed Reporting

Table 1. OER Saving by College

College	Winter/Spring 2018			Winter/Spring 2019			Winter 2020		
	Courses	Students	Total Savings	Courses	Students	Total Savings	Courses	Students	Total Savings
Alpena							2	24	\$2,400
Bay	24	1283	\$128,300	28	1475	\$147,500	39	1748	\$174,800
Delta				9	699	\$69,900	21	1003	\$100,300
Glen Oaks				6	93	\$9,300	6	56	\$5,600
Gogebic	15	452	\$45,200	11	240	\$24,000			
Grand Rapids	31	5011	\$501,100	35	5413	\$541,300	36	5290	\$529,000
Henry Ford							6	700	\$70,000
Jackson	3	69	\$6,900	6	341	\$34,100	5	324	\$32,400
Kalamazoo Valley									
Kellogg	4	359	\$35,900	17	1037	\$103,700			
Kirtland	8	424	\$42,400	12	556	\$55,600	10	274	\$27,400
Lake Michigan									
Lansing	26	3655	\$365,500	57	5604	\$560,400	58	6707	\$670,700
Macomb									
Mid Michigan	5	937	\$93,700	17	2246	\$224,600	21	2267	\$226,700
Monroe									
Montcalm				6	272	\$27,200			
Mott	10	927	\$92,700	14	1175	\$117,500	12	1469	\$146,900
Muskegon				7	651	\$65,100	11	689	\$68,900
North Central Michigan									
Northwestern Michigan	27	1413	\$141,300	47	2099	\$209,900	56	2259	\$225,900
Oakland							10	581	\$58,100
Schoolcraft	8	887	\$88,700	13	1343	\$134,300	16	2163	\$216,300
Southwestern Michigan	5	190	\$19,000				18	715	\$71,500
St. Clair County	16	855	\$85,500	17	999	\$99,900	19	1015	\$101,500
Washtenaw	21	4669	\$466,900	22	6612	\$661,200	28	5194	\$519,400
Wayne County									
West Shore	4	106	\$10,600	9	290	\$29,000	19	526	\$52,600
<b>Totals</b>	<b>207</b>	<b>21,237</b>	<b>\$2,123,700</b>	<b>333</b>	<b>31,145</b>	<b>\$3,114,500</b>	<b>393</b>	<b>33,004</b>	<b>\$3,300,400</b>
Number of Institutions			<b>15</b>			<b>18</b>			<b>19</b>

Table 2. OER Usage by Discipline

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Astronomy	Grand Rapids	AS 103	Descriptive Astronomy	Astronomy	Open Stax
Astronomy	Grand Rapids	AS 102	Introductory Astronomy	Astronomy	Open Stax
Astronomy	Grand Rapids	AS 108	Stars, Galaxies & Cosmology	Astronomy	Open Stax
Astronomy	Mid	PSC.101	Intro to Astronomy	Astronomy	OpenStax
Astronomy	Schoolcraft	PHYS 104	Introduction to Astronomy	Astronomy Education at the University of Nebraska-Lincoln	Kevin Lee, et. Al.
Biology	Bay	BIOL 213	Anatomy and Physiology I	Anatomy and Physiology	Open Stax
Biology	Bay	BIOL 214	Anatomy and Physiology II	Anatomy and Physiology	Open Stax
Biology	Bay	BIOL 103	Essential Biology	Concepts of Biology	Open Stax
Biology	Bay	BIOL 225	Medical Microbiology	Microbiology	Open Stax
Biology	Glen Oaks	BIO 210	Human Anat & Phys 1	Anatomy and Physiology	Open Stax
Biology	Glen Oaks	BIO 211	Human Anat & Phys 2	Anatomy and Physiology	Open Stax
Biology	Grand Rapids	BI 152	Biological Diversity	Biology	Open Stax
Biology	Grand Rapids	BI 122	Human Anatomy & Physiology 2	Anatomy & Physiology	Open Stax
Biology	Grand Rapids	BI 151	Intro to Cells, Molecules & Genes	Biology	Open Stax
Biology	Grand Rapids	BI 127	Microbiology	Microbiology	OpenStax
Biology	Henry Ford	BIO 150	Biology: Organisms, Genes, and Ecology	Biology, 2nd. Edition	Open Stax
Biology	Henry Ford	BIO 152	Cell and Molecular Biology	Biology, 2nd. Edition	Open Stax
Biology	Henry Ford	BIO 135	Microbiology	Microbiology	Open Stax
Biology	Jackson	BIO220	Microbiology	Microbiology: A Systems Approach	OpenStax
Biology	Kirtland	BIO 107	Essentials of Anatomy & Physiology	Anatomy & Physiology	Open Stax
Biology	Kirtland	BIO 118	Evolution, Ecology, & Diversity	Biology	Open Stax
Biology	Kirtland	BIO 101	General Biology	Biology	Open Stax
Biology	Lansing	BIOL 121	Biol Foundation for Physiology	<a href="https://openstax.org/details/books/concepts-biology">https://openstax.org/details/books/concepts-biology</a>	Open Stax
Biology	Lansing	BIOL 127	Cell Biology	<a href="https://openstax.org/details/books/biology">https://openstax.org/details/books/biology</a>	Open Stax
Biology	Lansing	BIOL 201	Human Anatomy	<a href="https://openstax.org/details/books/anatomy-and-physiology">https://openstax.org/details/books/anatomy-and-physiology</a>	Open Stax
Biology	Lansing	BIOL 270	Human Genetics	<a href="https://openstax.org/details/books/anatomy-and-physiology">https://openstax.org/details/books/anatomy-and-physiology</a>	Open Stax
Biology	Lansing	BIOL 128	Organismal Biology	<a href="https://openstax.org/details/books/biology">https://openstax.org/details/books/biology</a>	Open Stax
Biology	Mid	BIO.103	Concepts of Genetics & Biotech	Various OER	
Biology	Muskegon	BIOL 106	Anatomy and Physiology II	Anatomy and Physiology	Open Stax
Biology	Northwestern	BIO 110	Essential Biology	Concepts of Biology; PanOpen access code available through the NMC Bookstore (low-cost)	OpenStax
Biology	Schoolcraft	BIOL 101	General Biology	Concepts of Biology	OpenStax

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Biology	Schoolcraft	BIOL 243	Microbiology	Microbiology	OpenStax
Biology	Southwestern	Biol 214	Basic human anatomy	Anatomy & Physiology	Openstax
Biology	Southwestern	Biol 098	Cell biology for health careers	Concepts of biology	Openstax
Biology	Southwestern	Biol 101	General Biology I	Boundless Biology	LumenLearning
Biology	Southwestern	Biol 102	General Biology II		
Biology	Southwestern	Biol 202	Microbiology	Boundless Microbiology	LumenLearning
Biology	Southwestern	Biol 215	Principles of human physiology	Anatomy & Physiology	Openstax
Biology	St Clair	BIO 110	Cell Biology Basics	Concepts of Biology	OpenStax
Biology	St Clair	BIO 101	Essentials of Biology	Concepts of Biology	OpenStax
Biology	St Clair	BIO 271	Human Anatomy & Physiology I	Anatomy and Physiology	OpenStax
Biology	St Clair	BIO 272	Human Anatomy & Physiology II	Anatomy and Physiology	OpenStax
Biology	St Clair	BIO 160	Human Biology	Essentials of Anatomy and Physiology	OpenStax
Biology	St Clair	BIO 206	Microbiology	Microbiology	OpenStax
Biology	Washtenaw	BIO 101/102	Concepts of Biology/ Human Biology	Concepts of Biology	Open Stax
Biology	Washtenaw	BIO 109/111	Essentials of Human Anatomy and Physiology / Anatomy and Physiology - Normal Structure and Function	BIO 109/ 111 Lab Manual	S. Dentel
Biology	Washtenaw	BIO 161/162	General Biology 1/ General Biology 2	BIOLOGY (OER) / LAB MANUAL - BIO instructor created	Open Stax / Faculty E. Thompson
Biology	Washtenaw	BIO 237	Microbiology	Microbiology	Open Stax
Biology	West Shore	BIO 123	General Biology II	Biology (OER) 2ND 18	OpenStax: 978-1-947172-51-7
Biology	West Shore	NSC 101	Life Science	Concepts of Biology (OER) 2016	OpenStax: 978-1-938168-11-6
Business	Bay	BUSN 160	Introduction to Business	Introduction to Business	Saylor
Business	Delta	MGT 275	Management Seminar		Coursepack
Business	Grand Rapids	BA 208	Business Law 2	Advanced Business Law and the Legal Environment	Saylor Academy
Business	Grand Rapids	BA 207	Business Law I	Government Regulation and the Legal Environment of Business	Saylor Academy
Business	Grand Rapids	BA 284	Human Resources Management	Human Resources Management	open.lib.umn.edu
Business	Grand Rapids	BA 103	Intro to Business	Fundamentals of Business	pressbooks
Business	Grand Rapids	BA 175	Supply Chain Management	Fundamentals of Supply Chain Management	bookboon
Business	Kirtland	BUS 116	Business Communications/Presentation	Business Communication for Success	University of Minnesota Libraries
Business	Lansing	BUSN 118	Intro to Business	Introduction to Business	Lumen
Business	Lansing	MGNT 228	Organizational Behavior	Organizational Behavior	
Business	Lansing	MGMT 201	Time Management for Business	Instructor Created	
Business	Mid	AAP.264	Business Comm II	Various OER	
Business	Mid	BUS.171	Principle of Sales	Various OER	
Business	Muskegon	BUS 204	eMarketing	Instructor Supplied Materials	Instructor Supplied Materials

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Business	Northwestern	MKT 241	Principles of Advertising		
Business	Northwestern	MKT 201	Principles of Marketing		
Business	St Clair	BUS 186	Internet Marketing	eMarketing - The Essential Guide to Online Marketing	BC Campus via Open Textbook Library
Business	Washtenaw	BMG 207	Business Communication	Business Communication	Multiple
Business	Washtenaw	BMG 111	Business Law	Business Law@WCC	Multiple
Business	Washtenaw	BMG 101/109	Entrepreneurship I / Entrepreneurship II	ENTREPRENEURSHIP AT WCC (OER) / Instructor created	Multiple
Business	Washtenaw	BMG 140	Introduction to Business	Introduction to Business	Multiple
Business	West Shore	BUS100	Intro to Business	Introduction to Business (OER) 2018	OpenStax: 978-1-947172-54-8
Chemistry	Bay	CHEM 110	General Chemistry I	Chemistry	Open Stax
Chemistry	Bay	CHEM 112	General Chemistry II	Chemistry	Open Stax
Chemistry	Glen Oaks	CHEM 134	General Chem 2	Chemistry 2e	Open Stax
Chemistry	Grand Rapids	CHM 110	Chemistry in the Modern World	Introductory Chemistry	open.umn.edu
Chemistry	Grand Rapids	CHM 130	General Chemistry I	Chemistry	Open Stax
Chemistry	Grand Rapids	CHM 140	General Chemistry II	Chemistry	Open Stax
Chemistry	Grand Rapids	CHM 120	Survey of General Chemistry	Chemistry: Atoms First	Open Stax
Chemistry	Jackson	CEM131	Fundamentals of Chemistry	Chemistry: The Central Science	Openstax
Chemistry	Jackson	CEM141	General Chemistry I	Chemistry: The Central Science	OpenStax
Chemistry	Jackson	CEM142	General Chemistry II	Chemistry: The Central Science	OpenStax
Chemistry	Lansing	CHEM 161	General Chemistry Lab I	See instructor for textbook information	
Chemistry	Lansing	CHEM 162	General Chemistry Lab II	See instructor for textbook information	
Chemistry	Mid	CHM.111	General College Chem 1	Chemistry 2e	
Chemistry	Mid	CHM.112	General College Chem 2	Chemistry 2e	
Chemistry	Washtenaw	CEM 111/122	General Chemistry I / General Chemistry II	Chemistry	Open Stax
Chemistry	Washtenaw	CEM 101	Introductory Chemistry and Lab	Flat World - Flatworldknowledge.com	Library Open Textbook Introductory Chemistry
Chemistry	Washtenaw	CEM 140	Organic Biochemistry & Lab	BASICS OF GENERAL, ORG AND BIOCHEM (OER)	BASICS OF GENERAL, ORG AND BIOCHEM (OER) by Ball
Communication / Speech	Bay	COMM 225	Introduction to Film	No Book Required	n/a
Communication /Speech	Bay	COMM 201	Mass Communications	Understanding Media and Culture	UMN
Communication /Speech	Bay	COMM 104	Public Speaking	Principles of Public Speaking	Lumen
Communication /Speech	Kirtland	SPE 105	Fundamentals of Speech	Public Speaking: The Virtual Text	<a href="http://publicspeakingproject.org/psviraltext.html">http://publicspeakingproject.org/psviraltext.html</a>



Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Communication /Speech	Kirtland	SPE 114	Intro to Interpersonal/Public Communication	An Introduction to Interpersonal Communication: A Primer on Communication Studies	<a href="https://2012books.lardbucket.org/books/a-primer-on-communication-studies/">https://2012books.lardbucket.org/books/a-primer-on-communication-studies/</a>
Communication /Speech	Lansing	SIGN 160	Intro to the Deaf Community	Instructor Created Materials	
Communication /Speech	Mid	COM.101	Fundamentals of Communication	Various OER	
Communication /Speech	Mid	COM.195	Intercultural Communication	The Art of Being Human	
Communication /Speech	Mid	COM.257	Public Speaking	Various OER	
Communication /Speech	Northwestern	BUS 231	Professional Communications	Business Communication for Success - <a href="https://saylordotorg.github.io/text_business-communication-for-success/">https://saylordotorg.github.io/text_business-communication-for-success/</a>	Saylor
Communication /Speech	Northwestern	COM 111	Public Speaking		
Communication /Speech	Northwestern	COM 111	Public Speaking	Pocket Guide to Public Speaking	
Communication /Speech	Washtenaw	COM 101	Fundamentals of Speaking	The Public Speaking Project	The Public Speaking Project - PDF
Communication /Speech	Washtenaw	COM 225	Intercultural Communication	Intercultural Communication for Personal, Profesional and Civic Life	Intercultural Communication for Personal, Profesional and Civic Life - PDF
Communication /Speech	Washtenaw	COM 102	Interpersonal Communication	Improving Interpersonal Communicattion	Improving Interpersonal Communicattion
Computer/IT	Delta	CST 133	Computer Compentencies	Computer Concepts	Own textbook
Computer/IT	Delta	CST 147	Electronic Media		Own textbook
Computer/IT	Delta	CST 217	Programming for the Web		Own textbook
Computer/IT	Delta	CST 214	Responsive Design		Own textbook
Computer/IT	Delta	CST 218	Web Application Development		Own textbook
Computer/IT	Delta	CST 219	Website Deployment		Own textbook
Computer/IT	Northwestern	CIT 228	Advanced Database Systems		
Computer/IT	Northwestern	CIT 260	Cisco Internetworking III		
Computer/IT	Northwestern	CIT 261	Cisco Internetworking IV		
Computer/IT	Northwestern	CIT 243	Cloud Technologies		
Computer/IT	Northwestern	CIT 122A	Computer and Internet Basics I		
Computer/IT	Northwestern	CIT 190	Java Script Programming		

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Computer/IT	Northwestern	CIT 256	Linux I	CompTIA Linux+ Powered by Linux Professional Institute Study Guide (3rd ed.) - Available from the library via Ebook Central (unlimited user license)	
Computer/IT	Northwestern	CIT 218	Web Application Development	Professional ASP. NET MVC 5 by John Galloway (optional text) - Available from the library via Ebook Central (unlimited user license)	
Computer/IT	Northwestern	CIT 180	Web Development		
Computer/IT	Oakland	CIS 2313	E-Business and E-Commerce	various articles and cases	varies
Computer/IT	Washtenaw	CPS 272	Data Structures with C++		
Computer/IT	Washtenaw	CPS 161	Introduction to programming with C++	How to Think Like a Computer Scientist: C++	Green Tea Press
Computer/IT	Washtenaw	CPS 171	Introduction to Programming with Java	How to Think Like a Computer Scientist: Java	Green Tea Press
Computer/IT	Washtenaw	CPS 271	Object Features of C++		
Computer/IT	West Shore	CIS 110	Intro to Computer Concepts	Instructor provided materials	
Computer/IT	West Shore	CIT 130	Intro to Data Base Mgmt	Instructor provided materials	
Computer/IT	West Shore	CIS 135	Programming II	Instructor provided materials	
Computer/IT	West Shore	CIT 246	Routing & Switching	Instructor provided materials	
Criminal Justice	Washtenaw	CJT 209	Criminal Law		
CTE	Northwestern	MFG 111	Math for Manufacturing		
Earth Science	Lansing	GEOL 230	Environmental Geology	See instructor for textbook information	
Earth Science	Lansing	ISCI 131	Integrated Physical Science	See instructor for textbook information	
Earth Science	Lansing	GEOL 221	Physical Geology	See instructor for textbook information	
Earth Science	Muskegon	GEOL 102	Introduction to Earth History	Historical Geography	Wikibooks
Earth Science	Muskegon	GEOL 101A	Introduction to Geology	An Introduction to Geology	OpenGeology.org (Salt Lake Community College)
Earth Science	Northwestern	ENV 112	Historical Geology	Historical Geology (5th ed) by Reed Wicander	
Earth Science	Northwestern	ENV 117	Meteorology & Climatology	The Atmosphere: An Introduction to Meteorology (12th ed) by Frederick Lutgens	
Earth Science	Northwestern	ENV 270A	Michigan Basin Geology		
Earth Science	Northwestern	ENV 131	Oceanography	Introduction to Ocean Sciences (2nd ed) by Douglas Segar (low-cost optional text)	
Earth Science	Northwestern	ENV 111	Physical Geology	Exploring Geology (3rd ed)	
Earth Science	St Clair	GEO 101	Earth Science	Introduction to Physical Geography	Dr. Michael Pidwirny & Scott Jones University of British Columbia Okanagan
Earth Science	Washtenaw	GLG 114	Physical Geology	Physical Geology	OpenText BC
Economics	Bay	ECON 131	Macroeconomics	Principles of Macroeconomics	Open Stax
Economics	Bay	ECON 132	Microeconomics	Principles of Microeconomics	Open Stax

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Economics	Grand Rapids	EC 251	Principles of Macroeconomics	Macro-economics	Open Stax
Economics	Grand Rapids	EC 252	Principles of Microeconomics	Micro-economis	Open Stax
Economics	Lansing	ECON202	Principle of Economics - Macro	Principles of Economics 2e	
Economics	Lansing	ECON 201	Principle of Economics - Micro	Principles of Economics 2e	
Education	Northwestern	ECE 203	Curriculum for Child Guidance		
Education	Northwestern	EDU 101	Introduction to Teaching	The First Year by Kristi Johnson Smith - no url (No longer hosted by authoring institution; we use a copy that is hosted internally)	University of North Carolina at Chapel Hill School of Education
Engineering	Alpena	IND 229	Hydraulic & Pneumatc Power	Basic Machines	U.S. Navy
Engineering	Alpena	IND 229	Hydraulic & Pneumatc Power	Fluid Power	U.S. Navy
English/Writing	Bay	ENGL 200	American Literature	No book required	n/a
English / Writing	Bay	ENGL 098	College Read and Writing Skills	College Read and Writing Skills	Bay College
English / Writing	Bay	ENGL 150	Intro to Literature	Intro to Literature	Lumen
English / Writing	Bay	ENGL 102	Research Writing	The Process of Research Writing	Bay College
English / Writing	Bay	ENGL 101	Rhetoric and Composition	Rhetoric & Composition by Bay College	Bay College
English / Writing	Bay	ENGL 145	Technical & Report Writing	Technical and Report Writing	Bay College
English / Writing	Bay	ENGL 208	Writing Poetry and Short Fiction	No book required	n/a
English / Writing	Delta	ENG 112	College Composition II		88 Open Essays
English / Writing	Lansing	ENGL 267	British Lit 1800 to Present	oer.galileo.usg.edu/cgi/viewcontent.cgi?article=context=English-textbooks	
English / Writing	Lansing	ENGL 127	Business Writing		
English / Writing	Lansing	ENGL121	Composiiton I	Abrams, Shane. EmpoWord. PDXOPEN: Open Access Textbooks. Portland State University, 2018.; Expressions & Inquiry; Writing Spaces Volume I	
English / Writing	Lansing	ENGL 122	Composition II	Abrams, Shane. EmpoWord. PDXOPEN: Open Access Textbooks. Portland State University, 2018.	66.25
English / Writing	Lansing	ENGL 271	Creative Writing II		
English / Writing	Lansing	ESOL 098	ESL Combined Skills Level 4	Bridge to College English for Speakers of Other Languages; Appendix to College English for Speakers of Other Languages	
English / Writing	Lansing	ESOL 099	ESL Combined Skills Level 5	College English Skills	
English / Writing	Lansing	ENGL 098	Integreated Reading and Writing I	Writing for College: Introduction to College Writing with Grammar Skills Review and Reading in the Content Disciplines	
English / Writing	Lansing	ENGL 099	Integreated Reading and Writing II	The Reading Writing Connection: A Handbook for College Critical Language Skill and Readings in the Content Discipline	

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
English / Writing	Lansing	ENGL 211	World Literature I	Robinson, Bonnie J. British Literature II: Romantic Era to the Twentieth-Century and Beyond. GALILEO Open Learning Materials. University System of Georgia, 2018.	
English / Writing	Mid	ENG.110	Academic Writing	Various OER	
English / Writing	Mott	ENGL-101	English Composition I	Various instructor selected open and library resources	Various instructor selected open and library resources
English / Writing	Mott	ENGL-102	English Composition II	Various instructor selected open and library resources	Various instructor selected open and library resources
English / Writing	Muskegon	ENG 101	English Composition	English 101 Rhetoric and Composition	Open Stax
English / Writing	Muskegon	ENG 102	English Composition	Instructor Supplied Materials	Instructor Supplied Materials
English / Writing	Muskegon	ENG 091	Introduction to English Composition	The Writer's Roadmap	Instructor Supplied Materials
English / Writing	Northwestern	ENG 223	Creative Writing: Poetry		
English / Writing	Northwestern	ENG 111	English Composition	Allyn and Bacon Guide to Writing, Concise Edition (auto-access ebook)	
English / Writing	Northwestern	ENG 111	English Composition	They Say, I Say : The Moves that Matter in Academic Writing by Graff	
English / Writing	Northwestern	ENG 111	English Composition	One instructor uses the following resources: <a href="https://owl.excelsior.edu/">https://owl.excelsior.edu/</a> <a href="https://courses.lumenlearning.com/readinganthology/">https://courses.lumenlearning.com/readinganthology/</a>	Lumen Learning
English / Writing	Northwestern	ENG 112	English Composition	Allyn and Bacon Guide to Writing, Concise Edition (auto-access ebook)	
English / Writing	Northwestern	ENG 112	English Composition	Tribe by Sebastian Junger	
English / Writing	Northwestern	ENG 112	English Composition	One instructor uses the following resources: <a href="https://owl.excelsior.edu/">https://owl.excelsior.edu/</a> <a href="https://courses.lumenlearning.com/readinganthology/">https://courses.lumenlearning.com/readinganthology/</a>	Lumen Learning
English / Writing	Northwestern	ENG 99/108	Intro to College Reading/Writing; Critical Reading Strategies	Born a Crime; Proud Flesh	
English / Writing	Northwestern	ENG 99/108	Intro to College Reading/Writing; Critical Reading Strategies	The Absolutely True Diary of a Part-Time Indian by Sherman Alexie; Proud Flesh	
English / Writing	Oakland	ENG 1510	Composition I	Oregon Writes Open Writing Text	<a href="https://openoregon.pressbooks.pub/oregonwrites/">https://openoregon.pressbooks.pub/oregonwrites/</a>
English / Writing	Oakland	ENG 1520	Composition II	Writing Unleashed: Argument	<a href="http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence">http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence</a>

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
English / Writing	Oakland	ENG 1520	Composition II	Writing Unleashed: Argument	<a href="http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence">http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence</a>
English / Writing	Schoolcraft	ENG 101	English Composition I	English Composition I	Lumen, et. Al.; Schoolcraft College
English / Writing	Schoolcraft	ENG 102	English Composition II	Various free internet resources	n/a
English / Writing	Southwestern	Engl101	Freshman English I	A Guide to First Year Composition OR Successful College Composition	Merlot
English / Writing	Southwestern	Engl 103	Freshman English II	A Guide to First Year Composition OR Successful College Composition	Merlot
English / Writing	Southwestern	Engl 104	Freshman English III	A Guide to First Year Composition OR Successful College Composition	Merlot
English / Writing	St Clair	ENG 075	Basic Writing Skills II	Writing Unleashed	North Dakota University System via Open Textbook Library
English / Writing	St Clair	ENG 101	English Composition I	English Composition I: Rhetorical Methods–Based ; Instructor compiled resources	Lumen; Library Research Guide
English / Writing	St Clair	ENG 102	English Composition II	English Composition II: Rhetorical Methods–Based	Lumen
English / Writing	St Clair	ENG 207	Introduction to Poetry	Naming the Unnamable: An Approach to Poetry for New Generations	SUNY
English / Writing	St Clair	ENG 243	Introduction to the Short Story	Instructor compiled resources	N/A
English / Writing	St Clair	ENG 231	World Literature II	Instructor compiled resources	Library Research Guide
English / Writing	Washtenaw	ENG 090/091	Basic Writing I / Basic Writing II	Writing for Success / T. Zimmerman pub Hayden McNeil Writing for Success	Writing For Success: <a href="https://open.umn.edu/opentextbooks/BookDetail.aspx?bookId=53">https://open.umn.edu/opentextbooks/BookDetail.aspx?bookId=53</a>
English / Writing	Washtenaw	ENG 226	Composition II	Argumentative Writing	Argumentative Writing
English / Writing	Washtenaw	ESL 128	English as a Second Language		
English / Writing	West Shore	ENG 111	English Composition I	Writing Spaces: Readings on Writing, Volume 1	Parlor Press & WAC Clearinghouse; <a href="https://writingspaces.org/volume1">https://writingspaces.org/volume1</a>
First Year Experience	Bay	FYE 103	Career Exploration	Career Exploration by Bay College	Bay College
First Year Experience	Lansing	ACAD 100	First Year Experience	Student Success Pathways of Lansing Community College	
First Year Experience	Mid	MID.150	Career Readiness	Various OER	
First Year Experience	Northwestern	PSY 100	Career Exploration & Planning	Becoming a Master Student by Dave Ellis	
First Year Experience	Northwestern	EDU 100	College Success	The New Science of Learning by Terry Doyle - Available from the library via EBSCO ebooks (unlimited user license)	

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
First Year Experience	Oakland	CNS 1150	Career Planning	Careers and Life Planning 2019	College of the Canyons
First Year Experience	Schoolcraft	CAB 102	Student Success and Career Development	Six Steps to Job Search Success; CAB 100 Student Success Seminar Resource Workbook; College Success	Saylor Foundation; Schoolcraft College; University of Minnesota
First Year Experience	West Shore	FYS 101	First-Year Seminar	Instructor provided materials	
Foreign Language	Bay	SPAN 101	Spanish I	No book required	n/a
Foreign Language	Lansing	FREN 121	Elementary French	Various websites and teacher made material	
Foreign Language	Lansing	FREN122	Elementary French II	Teacher Created and linked resources	
Foreign Language	Lansing	GRMN 121	Elementary German I	<a href="http://germanoer.karirichards.com">http://germanoer.karirichards.com</a>	
Foreign Language	Lansing	SPAN 121	Elementary Spansih I	See instructor for material	
Foreign Language	Lansing	SPAN 122	Elementary Spansih II	See instructor for material	
Foreign Language	Lansing	FREN 201	Intermediate French I	Various websites and teacher made material	
Foreign Language	Lansing	GRMN202	Intermediate German II	<a href="http://germanoer.karirichards.com">http://germanoer.karirichards.com</a>	
Foreign Language	Lansing	SPAN 201	Intermediate Spansih	See instructor for material	
Foreign Language	Mid	SPN.101	Elementary Spanish I	Various OER	
Foreign Language	Washtenaw	GRM 111/122	First Year German	Deutsch im Blick: <a href="http://coerll.utexas.edu/dib/">http://coerll.utexas.edu/dib/</a>	Uof texas
Forensic Science	Mott	FRSC-160	Intro to Forensic Pathology	Intro to Forensic Pathology	Faculty Authored
Forensic Science	Mott	FRSC-100	Survey of Forensic Science	Forensic Science	Instructor created textbook
Geography	Bay	GEOG 110	Physical Geography	Encounter Physical Geography	Porter
Geography	Bay	GEOG 121	World Regional Geography	No book required	n/a
Geography	Kirtland	GEO 100	World Geography	World Regional Geography	Open Textbook Library
Geography	Muskegon	GEOG 297D	Science of Climate Change	Instructor Supplied Materials	Instructor Supplied Materials
Geography	Muskegon	GEOG 215	Weather and Climate	Instructor Supplied Materials	Instructor Supplied Materials
Geography	Northwestern	GEO 108	Geography of U.S. & Canada	<a href="https://www.opengeography.org/etextbooks.html">https://www.opengeography.org/etextbooks.html</a>	
Geography	Northwestern	GEO 109	World Regional Geography	<a href="http://caitiefinlayson.com/worldregional/">http://caitiefinlayson.com/worldregional/</a>	
History	Bay	HIST 212	US History 1865 to Present	U.S. History 1865 to Present by Bay College	Bay College
History	Bay	HIST 211	US History to 1865	U.S. History to 1865 by Bay College	Bay College

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
History	Delta	HIS 240W	Renaissance Early Europe		Boundless World History
History	Delta	HIS 111W	Survey of Early Western Civ	US History	Boundless World History
History	Delta	HIS 112W	Survey of Later Western Civ	World History	Boundless World History
History	Grand Rapids	HS 161	US History from Reconstruction to the Present	US History	Open Stax
History	Grand Rapids	HS 160	US History through Reconstruction	US History	Open Stax
History	Lansing	HIST 212	US History from 1877	americanyawp.com	
History	Lansing	HIST 211	US History to 1877	americanyawp.com	
History	Mott	MAET-110	Media History and Theory	Instructor adapted materials	Instructor adapted materials
History	Mott	HIST-155	US History since 1877	US History	OpenStax
History	Mott	HIST-154	US History to 1877	US History	Openstax
History	Northwestern	HST 112	U.S. History since 1865	American Yawp - <a href="http://www.americanyawp.com/">http://www.americanyawp.com/</a>	Stanford University Press
History	Northwestern	HST 112	U.S. History since 1865	U.S. History	OpenStax
History	Northwestern	HST 111	U.S. History to 1865	History in the Making: A History of the People of the United States of America to 1877 ( <a href="https://ung.edu/university-press/books/history-in-the-making.php">https://ung.edu/university-press/books/history-in-the-making.php</a> ); Puritan Dilemma: The Story of John Winthrop by Edmund Morgan	University of North Georgia
History	Northwestern	HST 111	U.S. History to 1865	The American Promise, Volume I: To 1877, 5th ed. (low-cost); and Narrative of the Life of Frederick Douglass (available from the library via Ebook Central.)	
History	Oakland	HIS 2510	American History I	American History	OpenStax
History	Oakland	HIS 2520	American History II	American History	OpenStax
History	Schoolcraft	HIST 134	Ancient World	World History: Cultures, States, and Societies to 1500	University of Northern Georgia
History	Schoolcraft	HIST 153	Contemporary America - U.S. History	American History	ushistory.org
History	Schoolcraft	HIST 151	Early America - U.S. History	American History	ushistory.org
History	Schoolcraft	HIST 137	Early Modern World	Various free internet resources	n/a
History	St Clair	HIS 102	History Western Civ Since 1715	Instructor compiled resources	N/A
History	St Clair	HIS 101	History Western Civ to 1715	Western Civilization-An Open Source Book	Instructor published via Pressbooks
Humanities / Fine Arts	Bay	ARTS 207	Art History 1300 to Present	SmArt History	SmArt History
Humanities / Fine Arts	Bay	ARTS 204	Art History to 1300	SmArt History	SmArt History
Humanities / Fine Arts	Bay	MUSC 153	Music Appreciation	Understanding Music: Past and Present	University System of Georgia
Humanities / Fine Arts	Bay	ARTS 163	Theater Appreciation	Theatrical Worlds	UFL
Humanities / Fine Arts	Grand Rapids	AT 105	History of Art Before 1400	n/a	various online sources

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Humanities / Fine Arts	Grand Rapids	AT 106	History of Art Since 1400	n/a	various online sources
Humanities / Fine Arts	Grand Rapids	AN 210	Intro to Cultural Anthropology	Perspectives: An Open Invitation to Cultural Anthropology	americananthro.org
Humanities / Fine Arts	Grand Rapids	TH 248	Introduction to Theater	Theatrical Worlds (Author: Mitchell)	University Press of Florida
Humanities / Fine Arts	Grand Rapids	AN 280	Native American Culture	Native Peoples of North America	OpenSunny
Humanities / Fine Arts	Jackson	ANT131	Cultural Anthropology	Cultural Anthropology: The Human Challenge	<a href="http://www.perspectivesanthro.org">http://www.perspectivesanthro.org</a>
Humanities / Fine Arts	Lansing	HUMS 212	Art History from the Renaissance	smarthistory.org	<a href="http://www.theartstory.org">www.theartstory.org</a>
Humanities / Fine Arts	Lansing	Hums 211	Art History to the Renaissance	smarthistory.org	
Humanities / Fine Arts	Lansing	HUMS 140	Art of Being Human	<a href="http://dept.clcillinois.edu/psy/LifespanDevelopment.pdf">dept.clcillinois.edu/psy/LifespanDevelopment.pdf</a>	<a href="http://www.collegehumanities.org">www.collegehumanities.org</a>
Humanities / Fine Arts	Lansing	RELG 150	Intro to World Religions	Survey of Six Major Religions by Huff, Seal, and Hicks	
Humanities / Fine Arts	Lansing	MUSC 241	Musical Cultures 1750 - present	Music 101 and Music, It's Language and Culture	Lumen
Humanities / Fine Arts	Lansing	ANTH 275	Physical Anth and Archaeology	<a href="http://explorations.americananthro.org/">http://explorations.americananthro.org/</a>	
Humanities / Fine Arts	Mott	ANTH-210	Forensic Anthpology	Forensic Anthropology	Faculty Authored
Humanities / Fine Arts	Mott	ANTH-211	Intro to Cultural Anthrooogy	Cultural Anthropology	Faculty Authored
Humanities / Fine Arts	Muskegon	ANTH 103	Cultural Diversity in Contemporary Society	Perspectives: An Open Invitation to Cultural Anthropology	Society for Anthropology in Community Colleges
Humanities / Fine Arts	Northwestern	ART 100	Art Appreciation		
Humanities / Fine Arts	Northwestern	ART 112	History of Western Art II		
Humanities / Fine Arts	Northwestern	HUM 116	World Cultures	Things Fall Apart by Chinua Achebe; Siddhartha by Herman Hesse (available online through Project Gutenberg and others)	
Humanities / Fine Arts	Northwestern	ENG 241	World Mythology		
Humanities / Fine Arts	Oakland	HUM 2104	Topics in Film: Documentaries	Introduction to Documentary	library ebook



Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Humanities / Fine Arts	Schoolcraft	HUM 106	Introduction to Art and Music	various free internet resources	n/a
Humanities / Fine Arts	Southwestern	Art 110	Art Appreciation	None- PowerPoint presentations built from Open Access resources, but complement them with a small book, Ways of Looking by Ossian Ward	
Humanities / Fine Arts	Southwestern	Art 203	Art History I	None- a mixture of PowerPoint presentations (using Open Access images and descriptors from The Metropolitan Museum of Art, Art Institute of Chicago, and other participating institutions), PDF versions of primary texts (eBooks via Gutenberg), and other articles.	
Humanities / Fine Arts	Southwestern	Art 204	Art History II	None- a mixture of PowerPoint presentations (using Open Access images and descriptors from The Metropolitan Museum of Art, Art Institute of Chicago, and other participating institutions), PDF versions of primary texts (eBooks via Gutenberg), and other articles.	
Humanities / Fine Arts	Southwestern	Musi 110	Music Appreciation	None- various sound recordings	
Humanities / Fine Arts	Southwestern	Art 200		None- PowerPoint presentations	
Humanities / Fine Arts	West Shore	HUM 103	Humanities in the Modern World	No text required	
Mathematics	Bay	MATH 141	Analytical Geometry and Calculus I	Calculus Volume I	Open Stax
Mathematics	Bay	MATH 142	Analytical Geometry and Calculus II	Calculus Volume II	Open Stax
Mathematics	Bay	MATH 243	Analytical Geometry and Calculus III	Calculus Volume III	Open Stax
Mathematics	Bay	MATH 110	College Algebra	College Algebra	Open Stax
Mathematics	Bay	MATH 210	Introduction to Statistics	Introductory Statistics	Open Stax
Mathematics	Bay	MATH 107	Liberal Arts Math	Math in Society	Open Textbook Store
Mathematics	Delta	MTH 161	Calculus I	Calculus Vol 1	OpenStax
Mathematics	Delta	MTH 162	Calculus II	Calculus Vol 2	OpenStax
Mathematics	Delta	MTH 261	Calculus III	Calculus Vol 3	OpenStax
Mathematics	Glen Oaks	MATH 201	Intro to Statistics	Introductory Statistics	Open Stax
Mathematics	Grand Rapids	MUS 112	Basic Music Theory	n/a	instructor created coursepack
Mathematics	Grand Rapids	BA 254	Introduction to Statistics with Applied Models	Custom edition	LAD Custom Publishing
Mathematics	Grand Rapids	MA 131	Precalculus	Precalculus	Open Stax
Mathematics	Grand Rapids	MA 215	Statistics	Statistics 3rd ed.	openintro.org
Mathematics	Grand Rapids	MA 108	Trigonometry	Trigonometry 3rd corrected edition	OpenText bookstore.com

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Mathematics	Henry Ford	MATH 165	Precalculus	Precalculus by Abramson ISBN 9781938168345	Open Stax
Mathematics	Henry Ford	MATH 031	Quantitative Reasoning Skills Review	Elementary Algebra by Mareck and Anthony-Smith ISBN 9780998625713	Open Stax
Mathematics	Lansing	MATH 141	Calculus with Applications	See instructor for textbook information	
Mathematics	Lansing	STAT 215	Intro to Probability and Stats	See instructor for textbook information	
Mathematics	Mid	MAT.104	Basic Algebra	In house packet	
Mathematics	Mid	MAT.101	Basic Mathematics	In house packet	
Mathematics	Mid	MAT.105	Intermediate Algebra	In house packet	
Mathematics	Mid	MAT.212	Intro to Probability & Statistics	Introductory Statistics	OpenStax
Mathematics	Northwestern	MTH 121	College Algebra	Custom assemblage of several OER texts from the following site: <a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	Stitz Zeager Open Source Mathematics
Mathematics	Northwestern	MTH 251	Differential Equations		
Mathematics	Northwestern	MTH 120	Mathematical Explorations	Math in Society by David Lippman (edited to meet the needs of the course) - <a href="http://www.opentextbookstore.com/mathinsociety/">http://www.opentextbookstore.com/mathinsociety/</a>	
Mathematics	Northwestern	MTH 122	Trigonometry	Custom assemblage of several OER texts: Algebra and Trigonometry (OpenStax) and <a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	OpenStax; Stitz Zeager Open Source Mathematics
Mathematics	Schoolcraft	MATH 111	Applications of Math	Collection of Math in Society; Pre Algebra; Beginning and Intermediate Algebra; Applied Finite Mathematics	David Lippman; OpenStax; Tyler Wallace; Open Source; OpenStax
Mathematics	Schoolcraft	MATH 122	Elementary Statistics	Online Statistics Education: A Multimedia Course of Study	David Lane (Rice University)
Mathematics	Schoolcraft	MATH 047	Prealgebra	Prealgebra	OpenStax/Online Homework Manager
Mathematics	St Clair	MTH 075	Pre-Algebra	Introductory Algebra Student Workbook and Basic Arithmetic Student Workbook	Scottsdale Community College via LibGuide
Mathematics	Washtenaw	MTH 191/192	Calculus 1 and 2	Calculus	Open Stax
Mathematics	Washtenaw	MTH 067	Foundations of Mathematics	MTH 067 faculty created	
Mathematics	West Shore	MTH 151	College Algebra	Precalculus by Stitz and Zeager, Version 3	<a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>
Mathematics	West Shore	MTH 121	Intermediate Algebra	Introductory and Intermediate Algebra	Tyler Wallace; Lulu.com
Mathematics	West Shore	MTH 123	Introduction to Statistics	Statistics Using Technology	Kathryn Kozak; opentextbookstore.com
Mathematics	West Shore	MTH 120	Introductory Algebra	Introductory and Intermediate Algebra	Tyler Wallace; Lulu.com
Mathematics	West Shore	MTH 161	Pre-Calculus	Precalculus by Stitz and Zeager, Version 3	<a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>
Mathematics	West Shore	MTH 125	Quantitative Reasoning	Math in Society	David Lippman; Lulu.com or opentextbookstore.com
Nursing / Allied Health	Lansing	NURS 211	Intro to Nursing Practice		

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Nursing / Allied Health	Washtenaw	NUR 115	Pharmacology	Nursing 233 Pharmacology	Instructor OER
Philosophy	Grand Rapids	PL 201	Introduction to Philosophy	n/a	various online sources
Philosophy	Lansing	PHIL151	Intro to Logic and Critical Thinking	<a href="https://drive.google.com/file/d/0B-rkbctcWjo3OFhGODNSYTZPMVU/view">https://drive.google.com/file/d/0B-rkbctcWjo3OFhGODNSYTZPMVU/view</a>	
Philosophy	Lansing	PHIL 101	Intro to Philosophy	See instructor for material	
Philosophy	Lansing	PHIL 211	Philosoph: Acient and Medieval	e-textbook by P. Jurczak	Worldly and Un-worldly Philosophies: From the First Philosophers to the 15th Century by P. Jurzak
Philosophy	Northwestern	PHL 202	Contemporary Ethical Dilemmas		
Philosophy	Northwestern	PHL 105	Critical Thinking	A Rulebook for Decision Making	
Philosophy	Oakland	PHI 1510	Intro to Philosophy	Introduction to Ethics: An Open Educational Resource; various documents	<a href="https://drive.google.com/file/d/1UBStwTnvYqm4mHpMrPYONAx7XOqsFGWE/view">https://drive.google.com/file/d/1UBStwTnvYqm4mHpMrPYONAx7XOqsFGWE/view</a>
Philosophy	St Clair	PHL 210	Introduction to Philosophy	Instructor compiled resources	Library Research Guide
Philosophy	St Clair	PHL 220	Philosophy of Religion	Instructor compiled resources	Library Research Guide
Physics	Delta	PHY 111	General Physics	College Physics	OpenStax
Physics	Glen Oaks	PHYS 251	Physics 1	Physics Vol 1	Open Stax
Physics	Glen Oaks	PHYS 253	Physics 2	Physics Vol 2	Open Stax
Physics	Grand Rapids	PH 125	College Physics I	College Physics	Open Stax
Physics	Grand Rapids	PH 126	College Physics II	College Physics	Open Stax
Physics	Mid	PHY.105	Intro College Physics I	College Physics	OpenStax
Physics	Mid	PHY.212	University Physics II	University Physics Vol. 2	OpenStax
Physics	Southwestern	Phys 201	General Physics I	University Physics (v1)	Openstax
Physics	Southwestern	Phys 202	General Physics II	University Physics (v2 & v3)	Openstax
Physics	Southwestern	Phys 101	Introductory Physics I	College Physics	Openstax
Physics	Southwestern	Phys 102	Introductory Physics II	College Physics	Openstax
Physics	West Shore	PHY 233	General Physics II	College Physics (OER)	OpenStax: 978-1-938168-00-0
Physics	West Shore	NSC 102	Physical Science: Physics & Space	No text required	
Political Science	Bay	POLI 111	American Government	American Government	Lumen
Political Science	Delta	POL 105	American Politics	American Government	OpenStax
Political Science	Grand Rapids	PS 110	American Government	American Government	Open Stax
Political Science	Henry Ford	POLS 131	Intro. To Am. Government and Political Science		Open Stax
Political Science	Kirtland	POL 101	Intro to American Government	American Government	Florida Atlantic University
Political Science	Mott	PSCN-170	Intro to American Government	American Government	OpenStax
Political Science	Oakland	POL 1510	American Government	American Government	OpenStax
Political Science	Schoolcraft	POLS 105	Survey of American Government	American Government	OpenStax
Psychology	Delta	PSY 241	Abnormal Psychology	Abnormal Psychology	OpenStax revised

Discipline	College	Course Number	Course Title	Title of Open Textbook	Open Textbook Provider
Psychology	Delta	PSY 211	Introduction to Psychology	Psychology	OpenStax
Psychology	Grand Rapids	CD 120	Adult Development	Lifespan Development: A Psychological Perspective	dept.clcillinois.edu
Psychology	Kirtland	PSY 101	Intro to Psychology	General Psychology	NOBA
Psychology	Lansing	PSYC 250	Abnormal Psych	<a href="http://libguides.lcc.edu/abnormal_psych/">http://libguides.lcc.edu/abnormal_psych/</a>	
Psychology	Lansing	CHDV 230	Early Childhood Program Admin	Instructor Created Materials	
Psychology	Lansing	PSYC 205	Human Growth and Development	<a href="https://drive.google.com/file/d/1KLJH6_X6RiwEQoxrxla3ny8HFFkuaPpj/view?usp=sharing">https://drive.google.com/file/d/1KLJH6_X6RiwEQoxrxla3ny8HFFkuaPpj/view?usp=sharing</a>	
Psychology	Lansing	PSYC 180	Intro to Positive Psych	<a href="https://faculh.openlcc.net/markkelland/open-educational-resources/">https://faculh.openlcc.net/markkelland/open-educational-resources/</a>	
Psychology	Lansing	PSYC 200	Intro to Psych	<a href="https://openstax.org/details/books/psychology">https://openstax.org/details/books/psychology</a>	Open Stax
Psychology	Lansing	PSYC 175	Psychology of Death	See instructor for material	
Psychology	Lansing	PSYC 202	Psychology of Personality	<a href="http://www.faculty.openlcc.net/markkelland/">www.faculty.openlcc.net/markkelland/</a>	
Psychology	Lansing	PSYC 203	Social Psych	<a href="http://open.lib.umn.edu/socialpsychology/">http://open.lib.umn.edu/socialpsychology/</a>	
Psychology	Mid	PSY.101	Intro to General Psychology	Psychology	OpenStax
Psychology	Northwestern	PSY 250	Abnormal Psychology	Libguide consisting of a mix of instructor-created, open, and library licensed materials. ( <a href="http://nmc.libguides.com/abnormalpsych">http://nmc.libguides.com/abnormalpsych</a> )	
Psychology	Northwestern	PSY 225	Human Sexuality	The Psychology of Human Sexuality by Lehmiller - Available from the library via Ebook Central (unlimited license)	
Psychology	Northwestern	PSY 101	Introduction to Psychology	Psychology	OpenStax
Psychology	Northwestern	PSY 223	Social Psychology	Principles of Social Psychology ( <a href="https://open.lib.umn.edu/socialpsychology/">https://open.lib.umn.edu/socialpsychology/</a> )	University of Minnesota
Psychology	Schoolcraft	PSYCH 201	Introductory Psychology	Psychology	OpenStax
Psychology	Washtenaw	PSY 100	Introductino to Psychology	Psychology	Open Stax
Sociology	Bay	SOCY 208	Marriage and Family	Sociology of the Family	SmashWords
Sociology	Bay	SOCY 207	Social Problems	No book required	n/a
Sociology	Bay	SOCY 151	Sociology	Introduction to Sociology	Open Stax
Sociology	Delta	SOC 211	Principles of Sociology	Intro to Sociology 2e	OpenStax
Sociology	Delta	SOC 212	Social Problems		
Sociology	Delta	SOC 221	Sociology of Family		
Sociology	Grand Rapids	SO 251	Principles of Sociology	Sociology	Open Stax
Sociology	Kirtland	SOC 101	Intro to Sociology	Introduction to Sociology	Open Stax
Sociology	Lansing	SOCL 120	Intro to Sociology	<a href="https://open.umn.edu/opentextbooks/textbooks/sociology-understanding-and-changing-the-social-world">https://open.umn.edu/opentextbooks/textbooks/sociology-understanding-and-changing-the-social-world</a>	
Sociology	Mid	SOC.200	Comptem Soc Problems	Social Problems: Continuity and Change	
Sociology	Mid	SOC.101	Principles of Sociology	Introduction to Sociology 2e	OpenStax
Sociology	Mott	SOCY-194	Human Sexuality	Instructor provided matierals	Instructor provided matierals
Sociology	Mott	SOCY-191	Introduction to Sociology	Sociology	OpenStax

<b>Discipline</b>	<b>College</b>	<b>Course Number</b>	<b>Course Title</b>	<b>Title of Open Textbook</b>	<b>Open Textbook Provider</b>
Sociology	Muskegon	WGS 101	Introduction to Women's and Gender Studies	Instructor Supplied Materials	Instructor Supplied Materials
Sociology	Northwestern	SWK 221	Introduction to Social Welfare		
Sociology	Northwestern	SOC 101	Introduction to Sociology	Sociology: Understanding and Changing the Social World	Open Textbook Library (University of Minnesota)
Sociology	West Shore	SOC 171	Introduction to Sociology	Introduction to Sociology (OER) 2ND 16	OpenStax: 978-1-938168-41-3

Table 3. OER Usage and Savings by College

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Alpena	IND 229	Hydraulic & Pneumatc Power	12	Basic Machines	U.S. Navy	\$ 1,200
Alpena	IND 229	Hydraulic & Pneumatc Power	12	Fluid Power	U.S. Navy	\$ 1,200
<b>Alpena Total</b>	<b>2</b>		<b>24</b>			<b>\$ 2,400</b>
Bay	ARTS 163	Theater Appreciation	10	Theatrical Worlds	UFL	\$ 1,000
Bay	ARTS 204	Art History to 1300	20	SmArt History	SmArt History	\$ 2,000
Bay	ARTS 207	Art History 1300 to Present	-	SmArt History	SmArt History	\$ -
Bay	BIOL 103	Essential Biology	6	Concepts of Biology	Open Stax	\$ 600
Bay	BIOL 213	Anatomy and Physiology, I	204	Anatomy and Physiology	Open Stax	\$ 20,400
Bay	BIOL 214	Anatomy and Physiology II	40	Anatomy and Physiology	Open Stax	\$ 4,000
Bay	BIOL 225	Medical Microbiology	25	Microbiology	Open Stax	\$ 2,500
Bay	BUSN 160	Introduction to Business	72	Introduction to Business	Saylor	\$ 7,200
Bay	CHEM 110	General Chemistry I	88	Chemistry	Open Stax	\$ 8,800
Bay	CHEM 112	General Chemistry II	-	Chemistry	Open Stax	\$ -
Bay	COMM 104	Public Speaking	22	Principles of Public Speaking	Lumen	\$ 2,200
Bay	COMM 201	Mass Communications	64	Understanding Media and Culture	UMN	\$ 6,400
Bay	COMM 225	Introduction to Film	-	No Book Required	n/a	\$ -
Bay	ECON 131	Macroeconomics	37	Principles of Macroeconomics	Open Stax	\$ 3,700
Bay	ECON 132	Microeconomics	40	Principles of Microeconomics	Open Stax	\$ 4,000
Bay	ENGL 098	College Read and Writing Skills	-	College Read and Writing Skills	Bay College	\$ -
Bay	ENGL 101	Rhetoric and Composition	422	Rhetoric & Composition by Bay College	Bay College	\$ 42,200
Bay	ENGL 102	Research Writing	43	The Process of Research Writing	Bay College	\$ 4,300
Bay	ENGL 145	Technical & Report Writing	20	Technical and Report Writing	Bay College	\$ 2,000
Bay	ENGL 150	Intro to Literature	-	Intro to Literature	Lumen	\$ -
Bay	ENGL 200	American Literature	-	No book required	n/a	\$ -
Bay	ENGL 208	Writing Poetry and Short Fiction	13	No book required	n/a	\$ 1,300
Bay	FYE 103	Career Exploration	21	Career Exploration by Bay College	Bay College	\$ 2,100
Bay	GEOG 110	Physical Geography	42	Encounter Physical Geography	Porter	\$ 4,200
Bay	GEOG 121	World Regional Geography	9	No book required	n/a	\$ 900
Bay	HIST 211	US History to 1865	-	U.S. History to 1865 by Bay College	Bay College	\$ -
Bay	HIST 212	US History 1865 to Present	-	U.S. History 1865 to Present by Bay College	Bay College	\$ -
Bay	MATH 107	Liberal Arts Math	44	Math in Society	Open Textbook Store	\$ 4,400
Bay	MATH 110	College Algebra	73	College Algebra	Open Stax	\$ 7,300
Bay	MATH 141	Analytical Geometry and Calculus I	34	Calculus Volume I	Open Stax	\$ 3,400
Bay	MATH 142	Analytical Geometry and Calculus II	-	Calculus Volume II	Open Stax	\$ -
Bay	MATH 210	Introduction to Statistics	44	Introductory Statistics	Open Stax	\$ 4,400
Bay	MATH 243	Analytical Geometry and Calculus III	14	Calculus Volume III	Open Stax	\$ 1,400

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Bay	MUSC 153	Music Appreciation	23	Understanding Music: Past and Present	University System of Georgia	\$ 2,300
Bay	POLI 111	American Government	-	American Government	Lumen	\$ -
Bay	SOCY 151	Sociology	238	Introduction to Sociology	Open Stax	\$ 23,800
Bay	SOCY 207	Social Problems	-	No book required	n/a	\$ -
Bay	SOCY 208	Marriage and Family	12	Sociology of the Family	SmashWords	\$ 1,200
Bay	SPAN 101	Spanish I	68	No book required	n/a	\$ 6,800
<b>Bay Total</b>	<b>39</b>		<b>1,748</b>			<b>\$ 174,800</b>
Delta	CST 133	Computer Compentencies	38	Computer Concepts	Own textbook	\$ 3,800
Delta	CST 147	Electronic Media	52		Own textbook	\$ 5,200
Delta	CST 214	Responsive Design	7		Own textbook	\$ 700
Delta	CST 217	Programming for the Web	9		Own textbook	\$ 900
Delta	CST 218	Web Application Development	1		Own textbook	\$ 100
Delta	CST 219	Website Deployment	1		Own textbook	\$ 100
Delta	ENG 112	College Composition II	31		88 Open Essays	\$ 3,100
Delta	HIS 111W	Survey of Early Western Civ	34	US History	Boundless World History	\$ 3,400
Delta	HIS 112W	Survey of Later Western Civ	10	World History	Boundless World History	\$ 1,000
Delta	HIS 240W	Renaissance Early Europe	17		Boundless World History	\$ 1,700
Delta	MGT 275	Management Seminar	8		Coursepack	\$ 800
Delta	MTH 161	Calculus I	76	Calculus Vol 1	OpenStax	\$ 7,600
Delta	MTH 162	Calculus II	49	Calculus Vol 2	OpenStax	\$ 4,900
Delta	MTH 261	Calculus III	18	Calculus Vol 3	OpenStax	\$ 1,800
Delta	PHY 111	General Physics	40	College Physics	OpenStax	\$ 4,000
Delta	POL 105	American Politics	61	American Government	OpenStax	\$ 6,100
Delta	PSY 211	Introduction to Psychology	95	Psychology	OpenStax	\$ 9,500
Delta	PSY 241	Abnormal Psychology	27	Abnormal Psychology	OpenStax revised	\$ 2,700
Delta	SOC 211	Principles of Sociology	396	Intro to Sociology 2e	OpenStax	\$ 39,600
Delta	SOC 212	Social Problems	16			\$ 1,600
Delta	SOC 221	Sociology of Family	17			\$ 1,700
<b>Delta Total</b>	<b>21</b>		<b>1,003</b>			<b>\$ 100,300</b>
Glen Oaks	BIO 210	Human Anat & Phys 1	22	Anatomy and Physiology	Open Stax	\$ 2,200
Glen Oaks	BIO 211	Human Anat & Phys 2	13	Anatomy and Physiology	Open Stax	\$ 1,300
Glen Oaks	CHEM 134	General Chem 2	7	Chemistry 2e	Open Stax	\$ 700
Glen Oaks	MATH 201	Intro to Statistics	12	Introductory Statistics	Open Stax	\$ 1,200
Glen Oaks	PHYS 251	Physics 1	2	Physics Vol 1	Open Stax	\$ 200
Glen Oaks	PHYS 253	Physics 2	-	Physics Vol 2	Open Stax	\$ -
<b>Glen Oaks Total</b>	<b>6</b>		<b>56</b>			<b>\$ 5,600</b>
Grand Rapids	AN 210	Intro to Cultural Anthropology	86	Perspectives: An Open Invitation to Cultural Anthropology	americananthro.org	\$ 8,600
Grand Rapids	AN 280	Native American Culture	25	Native Peoples of North America	OpenSunny	\$ 2,500
Grand Rapids	AS 102	Introductory Astronomy	97	Astronomy	Open Stax	\$ 9,700

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Grand Rapids	AS 103	Descriptive Astronomy	122	Astronomy	Open Stax	\$ 12,200
Grand Rapids	AS 108	Stars, Galaxies & Cosmology	24	Astronomy	Open Stax	\$ 2,400
Grand Rapids	AT 105	History of Art Before 1400	110	n/a	various online sources	\$ 11,000
Grand Rapids	AT 106	History of Art Since 1400	220	n/a	various online sources	\$ 22,000
Grand Rapids	BA 103	Intro to Business	415	Fundamentals of Business	pressbooks	\$ 41,500
Grand Rapids	BA 175	Supply Chain Management	50	Fundamentals of Supply Chain Management	bookboon	\$ 5,000
Grand Rapids	BA 207	Business Law I	293	Government Regulation and the Legal Environment of Business	Saylor Academy	\$ 29,300
Grand Rapids	BA 208	Business Law 2	25	Advanced Business Law and the Legal Environment	Saylor Academy	\$ 2,500
Grand Rapids	BA 254	Introduction to Statistics with Applied Models	140	Custom edition	LAD Custom Publishing	\$ 14,000
Grand Rapids	BA 284	Human Resources Management	123	Human Resources Management	open.lib.umn.edu	\$ 12,300
Grand Rapids	BI 122	Human Anatomy & Physiology 2	360	Anatomy & Physiology	Open Stax	\$ 36,000
Grand Rapids	BI 127	Microbiology	160	Microbiology	OpenStax	\$ 16,000
Grand Rapids	BI 151	Intro to Cells, Molecules & Genes	216	Biology	Open Stax	\$ 21,600
Grand Rapids	BI 152	Biological Diversity	48	Biology	Open Stax	\$ 4,800
Grand Rapids	CD 120	Adult Development	25	Lifespan Development: A Psychological Perspective	dept.clcillinois.edu	\$ 2,500
Grand Rapids	CHM 110	Chemistry in the Modern World	200	Introductory Chemistry	open.umn.edu	\$ 20,000
Grand Rapids	CHM 120	Survey of General Chemistry	80	Chemistry: Atoms First	Open Stax	\$ 8,000
Grand Rapids	CHM 130	General Chemistry I	320	Chemistry	Open Stax	\$ 32,000
Grand Rapids	CHM 140	General Chemistry II	160	Chemistry	Open Stax	\$ 16,000
Grand Rapids	EC 251	Principles of Macroeconomics	266	Macro-economics	Open Stax	\$ 26,600
Grand Rapids	EC 252	Principles of Microeconomics	352	Micro-economis	Open Stax	\$ 35,200
Grand Rapids	HS 160	US History through Reconstruction	97	US History	Open Stax	\$ 9,700
Grand Rapids	HS 161	US History from Reconstruction to the Present	183	US History	Open Stax	\$ 18,300
Grand Rapids	MA 108	Trigonometry	33	Trigonometry 3rd corrected edition	OpenText bookstore.com	\$ 3,300
Grand Rapids	MA 131	Precalculus	-	Precalculus	Open Stax	\$ -
Grand Rapids	MA 215	Statistics	80	Statistics 3rd ed.	openintro.org	\$ 8,000
Grand Rapids	MUS 112	Basic Music Theory	49	n/a	instructor created coursepack	\$ 4,900
Grand Rapids	PH 125	College Physics I	144	College Physics	Open Stax	\$ 14,400
Grand Rapids	PH 126	College Physics II	72	College Physics	Open Stax	\$ 7,200
Grand Rapids	PL 201	Introduction to Philosophy	240	n/a	various online sources	\$ 24,000
Grand Rapids	PS 110	American Government	150	American Government	Open Stax	\$ 15,000
Grand Rapids	SO 251	Principles of Sociology	72	Sociology	Open Stax	\$ 7,200
Grand Rapids	TH 248	Introduction to Theater	253	Theatrical Worlds (Author: Mitchell)	University Press of Florida	\$ 25,300
<b>Grand Rapids Total</b>	<b>36</b>		<b>5,290</b>			<b>\$ 529,000</b>



College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Henry Ford	BIO 135	Microbiology	69	Microbiology	Open Stax	\$ 6,900
Henry Ford	BIO 150	Biology: Organisms, Genes, and Ecology	95	Biology, 2nd. Edition	Open Stax	\$ 9,500
Henry Ford	BIO 152	Cell and Molecular Biology	100	Biology, 2nd. Edition	Open Stax	\$ 10,000
Henry Ford	MATH 031	Quantitative Reasoning Skills Review	80	Elementary Algebra by Mareck and Anthony-Smith ISBN 9780998625713	Open Stax	\$ 8,000
Henry Ford	MATH 165	Precalculus	130	Precalculus by Abramson ISBN 9781938168345	Open Stax	\$ 13,000
Henry Ford	POLS 131	Intro. To Am. Government and Political Science	226		Open Stax	\$ 22,600
<b>Henry Ford Total</b>	<b>6</b>		<b>700</b>			<b>\$ 70,000</b>
Jackson	ANT131	Cultural Anthropology	63	Cultural Anthropology: The Human Challenge	<a href="http://www.perspectivesanthro.org">http://www.perspectivesanthro.org</a>	\$ 6,300
Jackson	BIO220	Microbiology	28	Microbiology: A Systems Approach	OpenStax	\$ 2,800
Jackson	CEM141	General Chemistry I	46	Chemistry: The Central Science	OpenStax	\$ 4,600
Jackson	CEM142	General Chemistry II	20	Chemistry: The Central Science	OpenStax	\$ 2,000
Jackson	CEM131	Fundamentals of Chemistry	167	Chemistry: The Central Science	Openstax	\$ 16,700
<b>Jackson Total</b>	<b>5</b>		<b>324</b>			<b>\$ 32,400</b>
Kirtland	BIO 101	General Biology	15	Biology	Open Stax	\$ 1,500
Kirtland	BIO 107	Essentials of Anatomy & Physiology	29	Anatomy & Physiology	Open Stax	\$ 2,900
Kirtland	BIO 118	Evolution, Ecology, & Diversity	8	Biology	Open Stax	\$ 800
Kirtland	BUS 116	Business Communications/Presentation	5	Business Communication for Success	University of Minnesota Libraries	\$ 500
Kirtland	GEO 100	World Geography	26	World Regional Geography	Open Textbook Library	\$ 2,600
Kirtland	POL 101	Intro to American Government	17	American Government	Florida Atlantic University	\$ 1,700
Kirtland	PSY 101	Intro to Psychology	101	General Psychology	NOBA	\$ 10,100
Kirtland	SOC 101	Intro to Sociology	26	Introduction to Sociology	Open Stax	\$ 2,600
Kirtland	SPE 105	Fundamentals of Speech	23	Public Speaking: The Virtual Text	<a href="http://publicspeakingproject.org/psvirtualtext.html">http://publicspeakingproject.org/psvirtualtext.html</a>	\$ 2,300
Kirtland	SPE 114	Intro to Interpersonal/Public Communication	24	An Introduction to Interpersonal Communication: A Primer on Communication Studies	<a href="https://2012books.lardbucket.org/books/a-primer-on-communication-studies/">https://2012books.lardbucket.org/books/a-primer-on-communication-studies/</a>	\$ 2,400
<b>Kirtland Total</b>	<b>10</b>		<b>274</b>			<b>\$ 27,400</b>
Lansing	ACAD 100	First Year Experience	42	Student Success Pathways of Lansing Community College		\$ 4,200
Lansing	ANTH 275	Physical Anth and Archaeology	30	<a href="http://explorations.americananthro.org/">http://explorations.americananthro.org/</a>		\$ 3,000
Lansing	BIOL 121	Biol Foundation for Physiology	163	<a href="https://openstax.org/details/books/concepts-biology">https://openstax.org/details/books/concepts-biology</a>	Open Stax	\$ 16,300
Lansing	BIOL 127	Cell Biology	57	<a href="https://openstax.org/details/books/biology">https://openstax.org/details/books/biology</a>		\$ 5,700

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Lansing	BIOL 128	Organismal Biology	68	<a href="https://openstax.org/details/books/biology">https://openstax.org/details/books/biology</a>		\$ 6,800
Lansing	BIOL 201	Human Anatomy	382	<a href="https://openstax.org/details/books/anatomy-and-physiology">https://openstax.org/details/books/anatomy-and-physiology</a>		\$ 38,200
Lansing	BIOL 270	Human Genetics	27	<a href="https://openstax.org/details/books/anatomy-and-physiology">https://openstax.org/details/books/anatomy-and-physiology</a>		\$ 2,700
Lansing	BUSN 118	Intro to Business	249	Introduction to Business	Lumen	\$ 24,900
Lansing	CHDV 230	Early Childhood Program Admin	10	Instructor Created Materials		\$ 1,000
Lansing	CHEM 161	General Chemistry Lab I	184	See instructor for textbook information		\$ 18,400
Lansing	CHEM 162	General Chemistry Lab II	52	See instructor for textbook information		\$ 5,200
Lansing	ECON 201	Principle of Economics - Micro	374	Principles of Economics 2e		\$ 37,400
Lansing	ECON202	Principle of Economics - Macro	209	Principles of Economics 2e		\$ 20,900
Lansing	ENGL 098	Integrated Reading and Writing I	71	Writing for College: Introduction to College Writing with Grammar Skills Review and Reading in the Content Disciplines		\$ 7,100
Lansing	ENGL 099	Integrated Reading and Writing II	148	The Reading Writing Connection: A Handbook for College Critical Language Skill and Readings in the Content Discipline		\$ 14,800
Lansing	ENGL 122	Composition II	181	Abrams, Shane. EmpoWord. PDXOPEN: Open Access Textbooks. Portland State University, 2018.	66.25	\$ 18,100
Lansing	ENGL 127	Business Writing	15			\$ 1,500
Lansing	ENGL 211	World Literature I	-	Robinson, Bonnie J. British Literature II: Romantic Era to the Twentieth-Century and Beyond. GALILEO Open Learning Materials. University System of Georgia, 2018.		\$ -
Lansing	ENGL 267	British Lit 1800 to Present	-	<a href="http://oer.galileo.usg.edu/cgi/viewcontent.cgi?article=context=English-textbooks">oer.galileo.usg.edu/cgi/viewcontent.cgi?article=context=English-textbooks</a>		\$ -
Lansing	ENGL 271	Creative Writing II	6			\$ 600
Lansing	ENGL121	Composiiton I	449	Abrams, Shane. EmpoWord. PDXOPEN: Open Access Textbooks. Portland State University, 2018.; Expressions & Inquiry; Writing Spaces Volume I		\$ 44,900

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Lansing	ESOL 098	ESL Combined Skills Level 4	22	Bridge to College English for Speakers of Other Languages; Appendix to College English for Speakers of Other Languages		\$ 2,200
Lansing	ESOL 099	ESL Combined Skills Level 5	36	College English Skills		\$ 3,600
Lansing	FREN 121	Elementary French	24	Various websites and teacher made material		\$ 2,400
Lansing	FREN 201	Intermediate French I	-	Various websites and teacher made material		\$ -
Lansing	FREN122	Elementary French II	-	Teacher Created and linked resources		\$ -
Lansing	GEOL 221	Physical Geology	29	See instructor for textbook information		\$ 2,900
Lansing	GEOL 230	Environmental Geology	58	See instructor for textbook information		\$ 5,800
Lansing	GRMN 121	Elementary German I	-	<a href="http://germanoer.karirichards.com">http://germanoer.karirichards.com</a>		\$ -
Lansing	GRMN202	Intermediate German II	13	<a href="http://germanoer.karirichards.com">http://germanoer.karirichards.com</a>		\$ 1,300
Lansing	HIST 211	US History to 1877	190	americanyawp.com		\$ 19,000
Lansing	HIST 212	US History from 1877	416	americanyawp.com		\$ 41,600
Lansing	HUMS 140	Art of Being Human	64	dept.clcillinois.edu/psy/LifespanDevelopment.pdf	www.collegehumanities.org	\$ 6,400
Lansing	Hums 211	Art History to the Renaissance	34	smarthistory.org		\$ 3,400
Lansing	HUMS 212	Art History from the Renaissance	37	smarthistory.org	www.theartstory.org	\$ 3,700
Lansing	ISCI 131	Integrated Physical Science	45	See instructor for textbook information		\$ 4,500
Lansing	MATH 141	Calculus with Applications	48	See instructor for textbook information		\$ 4,800
Lansing	MGMT 201	Time Management for Business	-	Instructor Created		\$ -
Lansing	MGNT 228	Organizational Behavior	30	Organizational Behavior		\$ 3,000
Lansing	MUSC 241	Musical Cultures 1750 - present	17	Music 101 and Music, It's Language and Culture	Lumen	\$ 1,700
Lansing	NURS 211	Intro to Nursing Practice	128			\$ 12,800
Lansing	PHIL 101	Intro to Philosophy	18	See instructor for material		\$ 1,800
Lansing	PHIL 211	Philosophy: Ancient and Medieval	37	e-textbook by P. Jurczak	Worldly and Un-worldly Philosophies: From the First Philosophers to the 15th Century by P. Jurzak	\$ 3,700
Lansing	PHIL151	Intro to Logic and Critical Thinking	141	<a href="https://drive.google.com/file/d/0B-rkbctcWjo3OFhGODNSYTZPMVU/view">https://drive.google.com/file/d/0B-rkbctcWjo3OFhGODNSYTZPMVU/view</a>		\$ 14,100
Lansing	PSYC 175	Psychology of Death	16	See instructor for material		\$ 1,600
Lansing	PSYC 180	Intro to Positive Psych	-	<a href="https://faculh.openlcc.net/markkelland/open-educational-resources/">https://faculh.openlcc.net/markkelland/open-educational-resources/</a>		\$ -

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Lansing	PSYC 200	Intro to Psych	728	<a href="https://openstax.org/details/books/psychology">https://openstax.org/details/books/psychology</a>	Open Stax	\$ 72,800
Lansing	PSYC 202	Psychology of Personality	106	<a href="http://www.faculty.openlcc.net/markkelland/">www.faculty.openlcc.net/markkelland/</a>		\$ 10,600
Lansing	PSYC 203	Social Psych	95	<a href="http://open.lib.umn.edu/socialpsychology/">http://open.lib.umn.edu/socialpsychology/</a>		\$ 9,500
Lansing	PSYC 205	Human Growth and Development	102	<a href="https://drive.google.com/file/d/1KLJH6_X6RiwEQoxrxa3ny8HFFkuaPpj/view?usp=sharing">https://drive.google.com/file/d/1KLJH6_X6RiwEQoxrxa3ny8HFFkuaPpj/view?usp=sharing</a>		\$ 10,200
Lansing	PSYC 250	Abnormal Psych	54	<a href="http://libguides.lcc.edu/abnormal_psych/">http://libguides.lcc.edu/abnormal_psych/</a>		\$ 5,400
Lansing	RELG 150	Intro to World Religions	120	Survey of Six Major Religions by Huff, Seal, and Hicks		\$ 12,000
Lansing	SIGN 160	Intro to the Deaf Community	66	Instructor Created Materials		\$ 6,600
Lansing	SOCL 120	Intro to Sociology	956	<a href="https://open.umn.edu/opentextbooks/textbooks/sociology-understanding-and-changing-the-social-world">https://open.umn.edu/opentextbooks/textbooks/sociology-understanding-and-changing-the-social-world</a>		\$ 95,600
Lansing	SPAN 121	Elementary Spansih I	169	See instructor for material		\$ 16,900
Lansing	SPAN 122	Elementary Spansih II	32	See instructor for material		\$ 3,200
Lansing	SPAN 201	Intermediate Spansih	34	See instructor for material		\$ 3,400
Lansing	STAT 215	Intro to Probability and Stats	125	See instructor for textbook information		\$ 12,500
<b>Lansing Total</b>	<b>58</b>		<b>6,707</b>			<b>\$ 670,700</b>
Mid	AAP.264	Business Comm II	22	Various OER		\$ 2,200
Mid	BIO.103	Concepts of Genetics & Biotech	69	Various OER		\$ 6,900
Mid	BUS.171	Principle of Sales	16	Various OER		\$ 1,600
Mid	CHM.111	General College Chem 1	28	Chemistry 2e		\$ 2,800
Mid	CHM.112	General College Chem 2	9	Chemistry 2e		\$ 900
Mid	COM.101	Fundamentals of Communication	453	Various OER		\$ 45,300
Mid	COM.195	Intercultural Communication	-	The Art of Being Human		\$ -
Mid	COM.257	Public Speaking	13	Various OER		\$ 1,300
Mid	ENG.110	Academic Writing	45	Various OER		\$ 4,500
Mid	MAT.101	Basic Mathematics	17	In house packet		\$ 1,700
Mid	MAT.104	Basic Algebra	210	In house packet		\$ 21,000
Mid	MAT.105	Intermediate Algebra	211	In house packet		\$ 21,100
Mid	MAT.212	Intro to Probability & Statistics	244	Introductory Statistics	OpenStax	\$ 24,400
Mid	MID.150	Career Readiness	50	Various OER		\$ 5,000
Mid	PHY.105	Intro College Physics I	6	College Physics	OpenStax	\$ 600
Mid	PHY.212	University Physics II	3	University Physics Vol. 2	OpenStax	\$ 300
Mid	PSC.101	Intro to Astronomy	67	Astronomy	OpenStax	\$ 6,700
Mid	PSY.101	Intro to General Psychology	399	Psychology	OpenStax	\$ 39,900
Mid	SOC.101	Principles of Sociology	329	Introduction to Sociology 2e	OpenStax	\$ 32,900

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Mid	SOC.200	Comptem Soc Problems	20	Social Problems: Continuity and Change		\$ 2,000
Mid	SPN.101	Elementary Spanish I	56	Various OER		\$ 5,600
<b>Mid Total</b>	<b>21</b>		<b>2,267</b>			<b>\$ 226,700</b>
Mott	ANTH-210	Forensic Anthrpology	27	Forensic Anthropology	Faculty Authored	\$ 2,700
Mott	ANTH-211	Intro to Cultural Anthrooogy	130	Cultural Anthropology	Faculty Authored	\$ 13,000
Mott	ENGL-101	English Composition I	200	Various instrutor selected open and library resources	Various instrutor selected open and library resources	\$ 20,000
Mott	ENGL-102	English Composition II	140	Various instrutor selected open and library resources	Various instrutor selected open and library resources	\$ 14,000
Mott	FRSC-100	Survey of Forensic Science	38	Forensic Science	Instructor created textbook	\$ 3,800
Mott	FRSC-160	Intro to Forensic Pathology	26	Intro to Forensic Pathology	Faculty Authored	\$ 2,600
Mott	HIST-154	US History to 1877	75	US History	Openstax	\$ 7,500
Mott	HIST-155	US History since 1877	86	US History	OpenStax	\$ 8,600
Mott	MAET-110	Media History and Theory	21	Instructor adapted matierals	Instructor adapted matierals	\$ 2,100
Mott	PSCN-170	Intro to American Government	138	American Government	OpenStax	\$ 13,800
Mott	SOCY-191	Introduction to Sociology	546	Sociology	OpenStax	\$ 54,600
Mott	SOCY-194	Human Sexuality	42	Instructor provided matierals	Instructor provided matierals	\$ 4,200
<b>Mott Total</b>	<b>12</b>		<b>1,469</b>			<b>\$ 146,900</b>
Muskegon	ANTH 103	Cultural Diversity in Contemporary Society	58	Perspectives: An Open Invitation to Cultural Anthropology	Society for Anthropology in Community Colleges	\$ 5,800
Muskegon	BIOL 106	Anatomy and Physiology II	58	Anatomy and Physiology	Open Stax	\$ 5,800
Muskegon	BUS 204	eMarketing	11	Instructor Supplied Materials	Instructor Supplied Materials	\$ 1,100
Muskegon	ENG 091	Introduction to English Composition	55	The Writer's Roadmap	Instructor Supplied Materials	\$ 5,500
Muskegon	ENG 101	English Composition	219	English 101 Rhetoric and Composition	Open Stax	\$ 21,900
Muskegon	ENG 102	English Composition	199	Instructor Supplied Materials	Instructor Supplied Materials	\$ 19,900
Muskegon	GEOG 215	Weather and Climate	20	Instructor Supplied Materials	Instructor Supplied Materials	\$ 2,000
Muskegon	GEOG 297D	Science of Climate Change	12	Instructor Supplied Materials	Instructor Supplied Materials	\$ 1,200
Muskegon	GEOL 101A	Introduction to Geology	25	An Introduction to Geology	OpenGeology.org (Salt Lake Community College)	\$ 2,500
Muskegon	GEOL 102	Introduction to Earth History	23	Historical Geography	Wikibooks	\$ 2,300
Muskegon	WGS 101	Introduction to Women's and Gender Studies	9	Instructor Supplied Materials	Instructor Supplied Materials	\$ 900
<b>Muskegon Total</b>	<b>11</b>		<b>689</b>			<b>\$ 68,900</b>
Northwestern	ART 100	Art Appreciation	30			\$ 3,000
Northwestern	ART 112	History of Western Art II	25			\$ 2,500
Northwestern	BIO 110	Essential Biology	41	Concepts of Biology; PanOpen access code available through the NMC Bookstore (low-cost)	OpenStax	\$ 4,100
Northwestern	BUS 231	Professional Communications	49	Business Communication for Success - <a href="https://saylordotorg.github.io/text_business-communication-for-success/">https://saylordotorg.github.io/text_business-communication-for-success/</a>	Saylor	\$ 4,900

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Northwestern	CIT 122A	Computer and Internet Basics I	22			\$ 2,200
Northwestern	CIT 180	Web Development	12			\$ 1,200
Northwestern	CIT 190	Java Script Programming	11			\$ 1,100
Northwestern	CIT 218	Web Application Development	13	Professional ASP. NET MVC 5 by John Galloway (optional text) - Available from the library via Ebook Central (unlimited user license)		\$ 1,300
Northwestern	CIT 228	Advanced Database Systems	16			\$ 1,600
Northwestern	CIT 243	Cloud Technologies	18			\$ 1,800
Northwestern	CIT 256	Linux I	38	CompTIA Linux+ Powered by Linux Professional Institute Study Guide (3rd ed.) - Available from the library via Ebook Central (unlimited user license)		\$ 3,800
Northwestern	CIT 260	Cisco Internetworking III	11			\$ 1,100
Northwestern	CIT 261	Cisco Internetworking IV	11			\$ 1,100
Northwestern	COM 111	Public Speaking	18			\$ 1,800
Northwestern	COM 111	Public Speaking	90	Pocket Guide to Public Speaking		\$ 9,000
Northwestern	ECE 203	Curriculum for Child Guidance	16			\$ 1,600
Northwestern	EDU 100	College Success	46	The New Science of Learning by Terry Doyle - Available from the library via EBSCO ebooks (unlimited user license)		\$ 4,600
Northwestern	EDU 101	Introduction to Teaching	16	The First Year by Kristi Johnson Smith - no url (No longer hosted by authoring institution; we use a copy that is hosted internally)	University of North Carolina at Chapel Hill School of Education	\$ 1,600
Northwestern	ENG 111	English Composition	18	Allyn and Bacon Guide to Writing, Concise Edition (auto-access ebook)		\$ 1,800
Northwestern	ENG 111	English Composition	18	They Say, I Say : The Moves that Matter in Academic Writing by Graff		\$ 1,800
Northwestern	ENG 111	English Composition	142	One instructor uses the following resources: <a href="https://owl.excelsior.edu/">https://owl.excelsior.edu/</a> <a href="https://courses.lumenlearning.com/readinganthology/">https://courses.lumenlearning.com/readinganthology/</a>	Lumen Learning	\$ 14,200
Northwestern	ENG 112	English Composition	20	Allyn and Bacon Guide to Writing, Concise Edition (auto-access ebook)		\$ 2,000
Northwestern	ENG 112	English Composition	66	Tribe by Sebastian Junger		\$ 6,600
Northwestern	ENG 112	English Composition	113	One instructor uses the following resources: <a href="https://owl.excelsior.edu/">https://owl.excelsior.edu/</a> <a href="https://courses.lumenlearning.com/readinganthology/">https://courses.lumenlearning.com/readinganthology/</a>	Lumen Learning	\$ 11,300
Northwestern	ENG 223	Creative Writing: Poetry	13			\$ 1,300
Northwestern	ENG 241	World Mythology	22			\$ 2,200

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Northwestern	ENG 99/108	Intro to College Reading/Writing; Critical Reading Strategies	12	Born a Crime; Proud Flesh		\$ 1,200
Northwestern	ENG 99/108	Intro to College Reading/Writing; Critical Reading Strategies	39	The Absolutely True Diary of a Part-Time Indian by Sherman Alexie; Proud Flesh		\$ 3,900
Northwestern	ENV 111	Physical Geology	12	Exploring Geology (3rd ed)		\$ 1,200
Northwestern	ENV 112	Historical Geology	10	Historical Geology (5th ed) by Reed Wicander		\$ 1,000
Northwestern	ENV 117	Meteorology & Climatology	38	The Atmosphere: An Introduction to Meteorology (12th ed) by Frederick Lutgens		\$ 3,800
Northwestern	ENV 131	Oceanography	33	Introduction to Ocean Sciences (2nd ed) by Douglas Segar (low-cost optional text)		\$ 3,300
Northwestern	ENV 270A	Michigan Basin Geology	13			\$ 1,300
Northwestern	GEO 108	Geography of U.S. & Canada	14	<a href="https://www.opengeography.org/etextbooks.html">https://www.opengeography.org/etextbooks.html</a>		\$ 1,400
Northwestern	GEO 109	World Regional Geography	24	<a href="http://caitiefinlayson.com/worldregional/">http://caitiefinlayson.com/worldregional/</a>		\$ 2,400
Northwestern	HST 111	U.S. History to 1865	23	History in the Making: A History of the People of the United States of America to 1877 ( <a href="https://ung.edu/university-press/books/history-in-the-making.php">https://ung.edu/university-press/books/history-in-the-making.php</a> ); Puritan Dilemma: The Story of John Winthrop by Edmund Morgan	University of North Georgia	\$ 2,300
Northwestern	HST 111	U.S. History to 1865	23	The American Promise, Volume I: To 1877, 5th ed. (low-cost); and Narrative of the Life of Frederick Douglass (available from the library via Ebook Central.)		\$ 2,300
Northwestern	HST 112	U.S. History since 1865	29	American Yawp - <a href="http://www.americanyawp.com/">http://www.americanyawp.com/</a>	Stanford University Press	\$ 2,900
Northwestern	HST 112	U.S. History since 1865	44	U.S. History	OpenStax	\$ 4,400
Northwestern	HUM 116	World Cultures	56	Things Fall Apart by Chinua Achebe; Siddhartha by Herman Hesse (available online through Project Gutenberg and others)		\$ 5,600
Northwestern	MFG 111	Math for Manufacturing	19			\$ 1,900
Northwestern	MKT 201	Principles of Marketing	43			\$ 4,300
Northwestern	MKT 241	Principles of Advertising	11			\$ 1,100

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Northwestern	MTH 120	Mathematical Explorations	44	Math in Society by David Lippman (edited to meet the needs of the course) - <a href="http://www.opentextbookstore.com/mathinsociety/">http://www.opentextbookstore.com/mathinsociety/</a>		\$ 4,400
Northwestern	MTH 121	College Algebra	113	Custom assemblage of several OER texts from the following site: <a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	Stitz Zeager Open Source Mathematics	\$ 11,300
Northwestern	MTH 122	Trigonometry	66	Custom assemblage of several OER texts: Algebra and Trigonometry (OpenStax) and <a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	OpenStax; Stitz Zeager Open Source Mathematics	\$ 6,600
Northwestern	MTH 251	Differential Equations	43			\$ 4,300
Northwestern	PHL 105	Critical Thinking	47	A Rulebook for Decision Making		\$ 4,700
Northwestern	PHL 202	Contemporary Ethical Dilemmas	24			\$ 2,400
Northwestern	PSY 100	Career Exploration & Planning	13	Becoming a Master Student by Dave Ellis		\$ 1,300
Northwestern	PSY 101	Introduction to Psychology	287	Psychology	OpenStax	\$ 28,700
Northwestern	PSY 223	Social Psychology	17	Principles of Social Psychology ( <a href="https://open.lib.umn.edu/socialpsychology/">https://open.lib.umn.edu/socialpsychology/</a> )	University of Minnesota	\$ 1,700
Northwestern	PSY 225	Human Sexuality	15	The Psychology of Human Sexuality by Lehmiller - Available from the library via Ebook Central (unlimited license)		\$ 1,500
Northwestern	PSY 250	Abnormal Psychology	52	Libguide consisting of a mix of instructor-created, open, and library licensed materials. ( <a href="http://nmc.libguides.com/abnormalpsych">http://nmc.libguides.com/abnormalpsych</a> )		\$ 5,200
Northwestern	SOC 101	Introduction to Sociology	169	Sociology: Understanding and Changing the Social World	Open Textbook Library (University of Minnesota)	\$ 16,900
Northwestern	SWK 221	Introduction to Social Welfare	31			\$ 3,100
<b>Northwestern Total</b>	<b>56</b>		<b>2,259</b>			<b>\$ 225,900</b>
Oakland	CIS 2313	E-Business and E-Commerce	20	various articles and cases	varies	\$ 2,000
Oakland	CNS 1150	Career Planning	18	Careers and Life Planning 2019	College of the Canyons	\$ 1,800
Oakland	ENG 1510	Composition I	68	Oregon Writes Open Writing Text	<a href="https://openoregon.pressbooks.pub/oregonwrites/">https://openoregon.pressbooks.pub/oregonwrites/</a>	\$ 6,800



College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Oakland	ENG 1520	Composition II	24	Writing Unleashed: Argument	<a href="http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence">http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence</a>	\$ 2,400
Oakland	ENG 1520	Composition II	24	Writing Unleashed: Argument	<a href="http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence">http://cool4ed.calstate.edu/bitstream/handle/10211.3/206407/ArgumentOER%20Eng120%20NewDesignDraft2.pdf?sequence</a>	\$ 2,400
Oakland	HIS 2510	American History I	55	American History	OpenStax	\$ 5,500
Oakland	HIS 2520	American History II	55	American History	OpenStax	\$ 5,500
Oakland	HUM 2104	Topics in Film: Documentaries	21	Introduction to Documentary	library ebook	\$ 2,100
Oakland	PHI 1510	Intro to Philosophy	55	Introduction to Ethics: An Open Educational Resource; various documents	<a href="https://drive.google.com/file/d/1UBStwTnvYqm4mHpMrPYONAx7XQqsFGWE/view">https://drive.google.com/file/d/1UBStwTnvYqm4mHpMrPYONAx7XQqsFGWE/view</a>	\$ 5,500
Oakland	POL 1510	American Government	241	American Government	OpenStax	\$ 24,100
<b>Oakland Total</b>	<b>10</b>		<b>581</b>			<b>\$ 58,100</b>
Schoolcraft	BIOL 101	General Biology	65	Concepts of Biology	OpenStax	\$ 6,500
Schoolcraft	BIOL 243	Microbiology	25	Microbiology	OpenStax	\$ 2,500
Schoolcraft	CAB 102	Student Success and Career Development	474	Six Steps to Job Search Success; CAB 100 Student Success Seminar Resource Workbook; College Success	Saylor Foundation; Schoolcraft College; University of Minnesota	\$ 47,400
Schoolcraft	ENG 101	English Composition I	289	English Composition I	Lumen, et. Al.; Schoolcraft College	\$ 28,900
Schoolcraft	ENG 102	English Composition II	458	Various free internet resources	n/a	\$ 45,800
Schoolcraft	HIST 134	Ancient World	93	World History: Cultures, States, and Societies to 1500	University of Northern Georgia	\$ 9,300
Schoolcraft	HIST 137	Early Modern World	57	Various free internet resources	n/a	\$ 5,700
Schoolcraft	HIST 151	Early America - U.S. History	27	American History	ushistory.org	\$ 2,700
Schoolcraft	HIST 153	Contemporary America - U.S. History	25	American History	ushistory.org	\$ 2,500
Schoolcraft	HUM 106	Introduction to Art and Music	177	various free internet resources	n/a	\$ 17,700
Schoolcraft	MATH 047	Prealgebra	53	Prealgebra	OpenStax/Online Homework Manager	\$ 5,300
Schoolcraft	MATH 111	Applications of Math	98	Collection of Math in Society; Pre Algebra; Beginning and Intermediate Algebra; Applied Finite Mathematics	David Lippman; OpenStax; Tyler Wallace; Open Source; OpenStax	\$ 9,800
Schoolcraft	MATH 122	Elementary Statistics	152	Online Statistics Education: A Multimedia Course of Study	David Lane (Rice University)	\$ 15,200
Schoolcraft	PHYS 104	Introduction to Astronomy	53	Astronomy Education at the University of Nebraska-Lincoln	Kevin Lee, et. Al.	\$ 5,300
Schoolcraft	POLS 105	Survey of American Government	92	American Government	OpenStax	\$ 9,200

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Schoolcraft	PSYCH 201	Introductory Psychology	25	Psychology	OpenStax	\$ 2,500
<b>Schoolcraft Total</b>	<b>16</b>		<b>2,163</b>			<b>\$ 216,300</b>
Southwestern	Art 110	Art Appreciation	64	None- PowerPoint presentations built from Open Access resources, but complement them with a small book, Ways of Looking by Ossian Ward		\$ 6,400
Southwestern	Art 200		15	None- PowerPoint presentations		\$ 1,500
Southwestern	Art 203	Art History I	-	None- a mixture of PowerPoint presentations (using Open Access images and descriptors from The Metropolitan Museum of Art, Art Institute of Chicago, and other participating institutions), PDF versions of primary texts (eBooks via Gutenberg), and other articles.		\$ -
Southwestern	Art 204	Art History II	27	None- a mixture of PowerPoint presentations (using Open Access images and descriptors from The Metropolitan Museum of Art, Art Institute of Chicago, and other participating institutions), PDF versions of primary texts (eBooks via Gutenberg), and other articles.		\$ 2,700
Southwestern	Biol 098	Cell biology for health careers	10	Concepts of biology	Openstax	\$ 1,000
Southwestern	Biol 101	General Biology I	13	Boundless Biology	LumenLearning	\$ 1,300
Southwestern	Biol 102	General Biology II	19			\$ 1,900
Southwestern	Biol 202	Microbiology	8	Boundless Microbiology	LumenLearning	\$ 800
Southwestern	Biol 214	Basic human anatomy	82	Anatomy & Physiology	Openstax	\$ 8,200
Southwestern	Biol 215	Principles of human physiology	15	Anatomy & Physiology	Openstax	\$ 1,500
Southwestern	Engl 103	Freshman English II	197	A Guide to First Year Composition OR Successful College Composition	Merlot	\$ 19,700
Southwestern	Engl 104	Freshman English III	250	A Guide to First Year Composition OR Successful College Composition	Merlot	\$ 25,000
Southwestern	Engl101	Freshman English I	-	A Guide to First Year Composition OR Successful College Composition	Merlot	\$ -
Southwestern	Musi 110	Music Appreciation	-	None- various sound recordings		\$ -
Southwestern	Phys 101	Introductory Physics I	-	College Physics	Openstax	\$ -
Southwestern	Phys 102	Introductory Physics II	7	College Physics	Openstax	\$ 700
Southwestern	Phys 201	General Physics I	-	University Physics (v1)	Openstax	\$ -
Southwestern	Phys 202	General Physics II	8	University Physics (v2 & v3)	Openstax	\$ 800
<b>Southwestern Total</b>	<b>18</b>		<b>715</b>			<b>\$ 71,500</b>

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
St Clair	BIO 101	Essentials of Biology	122	Concepts of Biology	OpenStax	\$ 12,200
St Clair	BIO 110	Cell Biology Basics	51	Concepts of Biology	OpenStax	\$ 5,100
St Clair	BIO 160	Human Biology	56	Essentials of Anatomy and Physiology	OpenStax	\$ 5,600
St Clair	BIO 206	Microbiology	14	Microbiology	OpenStax	\$ 1,400
St Clair	BIO 271	Human Anatomy & Physiology I	151	Anatomy and Physiology	OpenStax	\$ 15,100
St Clair	BIO 272	Human Anatomy & Physiology II	174	Anatomy and Physiology	OpenStax	\$ 17,400
St Clair	BUS 186	Internet Marketing	18	eMarketing - The Essential Guide to Online Marketing	BC Campus via Open Textbook Library	\$ 1,800
St Clair	ENG 075	Basic Writing Skills II	17	Writing Unleashed	North Dakota University System via Open Textbook Library	\$ 1,700
St Clair	ENG 101	English Composition I	52	English Composition I: Rhetorical Methods–Based ; Instructor compiled resources	Lumen ; Library Research Guide	\$ 5,200
St Clair	ENG 102	English Composition II	107	English Composition II: Rhetorical Methods–Based	Lumen	\$ 10,700
St Clair	ENG 207	Introduction to Poetry	7	Naming the Unnamable: An Approach to Poetry for New Generations	SUNY	\$ 700
St Clair	ENG 231	World Literature II	19	Instructor compiled resources	Library Research Guide	\$ 1,900
St Clair	ENG 243	Introduction to the Short Story	15	Instructor compiled resources	N/A	\$ 1,500
St Clair	GEO 101	Earth Science	91	Introduction to Physical Geography	Dr. Michael Pidwirny & Scott Jones University of British Columbia Okanagan	\$ 9,100
St Clair	HIS 101	History Western Civ to 1715	28	Western Civilization-An Open Source Book	Instructor published via Pressbooks	\$ 2,800
St Clair	HIS 102	History Western Civ Since 1715	32	Instructor compiled resources	N/A	\$ 3,200
St Clair	MTH 075	Pre-Algebra	34	Introductory Algebra Student Workbook and Basic Arithmetic Student Workbook	Scottsdale Community College via LibGuide	\$ 3,400
St Clair	PHL 210	Introduction to Philosophy	16	Instructor compiled resources	Library Research Guide	\$ 1,600
St Clair	PHL 220	Philosophy of Religion	11	Instructor compiled resources	Library Research Guide	\$ 1,100
<b>St Clair Total</b>	<b>19</b>		<b>1,015</b>			<b>\$ 101,500</b>
Washtenaw	BIO 101/102	Concepts of Biology/ Human Biology	624	Concepts of Biology	Open Stax	\$ 62,400
Washtenaw	BIO 109/111	Essentials of Human Anatomy and Physiology / Anatomy and Physiology - Normal Structure and Function	90	BIO 109/ 111 Lab Manual	S. Dentel	\$ 9,000
Washtenaw	BIO 161/162	General Biology 1/ General Biology 2	96	BIOLOGY (OER) / LAB MANUAL - BIO instructor created	Open Stax / Faculty E. Thompson	\$ 9,600
Washtenaw	BIO 237	Microbiology	144	Microbiology	Open Stax	\$ 14,400
Washtenaw	BMG 101/109	Entrepreneurship I / Entrepreneurship II	180	ENTREPRENEURSHIP AT WCC (OER) / Instructor created	Multiple	\$ 18,000

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
Washtenaw	BMG 111	Business Law	330	Business Law@WCC	Multiple	\$ 33,000
Washtenaw	BMG 140	Introduction to Business	330	Introduction to Business	Multiple	\$ 33,000
Washtenaw	BMG 207	Business Communication	270	Business Communication	Multiple	\$ 27,000
Washtenaw	CEM 101	Introductory Chemistry and Lab	264	Flat World - Flatworldknowledge.com	Library Open Textbook Introductory Chemistry	\$ 26,400
Washtenaw	CEM 111/122	General Chemistry I / General Chemistry II	336	Chemisty	Open Stax	\$ 33,600
Washtenaw	CEM 140	Organic Biochemistry & Lab	48	BASICS OF GENERAL, ORG AND BIOCHEM (OER)	BASICS OF GENERAL, ORG AND BIOCHEM (OER) by Ball	\$ 4,800
Washtenaw	CJT 209	Criminal Law	-			\$ -
Washtenaw	COM 101	Fundamentals of Speaking	225	The Public Speaking Project	The Public Speaking Project - PDF	\$ 22,500
Washtenaw	COM 102	Interpersonal Communication	425	Improving Interpersonal Communicattion	Improving Interpersonal Communicattion	\$ 42,500
Washtenaw	COM 225	Intercultural Communication	60	Intercultural Communication for Personal, Profesional and Civic Life	Intercultural Communication for Personal, Profesional and Civic Life - PDF	\$ 6,000
Washtenaw	CPS 161	Introduction to programming with C++	150	How to Think Like a Computer Scientist: C++	Green Tea Press	\$ 15,000
Washtenaw	CPS 171	Introduction to Programming with Java	120	How to Think Like a Computer Scientist: Java	Green Tea Press	\$ 12,000
Washtenaw	CPS 271	Object Features of C++	48			\$ 4,800
Washtenaw	CPS 272	Data Structures with C++	48			\$ 4,800
Washtenaw	ENG 090/091	Basic Writing I / Basic Writing II	44	Writing for Success / T. Zimmerman pub Hayden McNeil Writing for Success	Writing For Success: <a href="https://open.umn.edu/opentextbooks/BookDetail.aspx?bookId=53">https://open.umn.edu/opentextbooks/BookDetail.aspx?bookId=53</a>	\$ 4,400
Washtenaw	ENG 226	Composition II	260	Argumentative Writing	Argumentative Writing	\$ 26,000
Washtenaw	ESL 128	English as a Second Language	-			\$ -
Washtenaw	GLG 114	Physical Geology	48	Physical Geology	OpenText BC	\$ 4,800
Washtenaw	GRM 111/122	First Year German	50	Deutsch im Blick: <a href="http://coerll.utexas.edu/dib/">http://coerll.utexas.edu/dib/</a>	Uof texas	\$ 5,000
Washtenaw	MTH 067	Foundations of Mathematics	110	MTH 067 faculty created		\$ 11,000
Washtenaw	MTH 191/192	Calculus 1 and 2	60	Calculus	Open Stax	\$ 6,000
Washtenaw	NUR 115	Pharmacology	144	Nursing 233 Pharmacology	Instructor OER	\$ 14,400
Washtenaw	PSY 100	Introductino to Psychology	690	Psychology	Open Stax	\$ 69,000
<b>Washtenaw Total</b>	<b>28</b>		<b>5,194</b>			<b>\$ 519,400</b>
West Shore	BIO 123	General Biology II	27	Biology (OER) 2ND 18	OpenStax: 978-1-947172-51-7	\$ 2,700
West Shore	BUS100	Intro to Business	32	Introduction to Business (OER) 2018	OpenStax: 978-1-947172-54-8	\$ 3,200
West Shore	CIS 110	Intro to Computer Concepts	22	Instructor provided materials		\$ 2,200

College	Course Number	Course Title	Students	Title of Open Textbook	Open Textbook Provider	Savings with Assumed \$100 Textbook Cost
West Shore	CIS 135	Programming II	5	Instructor provided materials		\$ 500
West Shore	CIT 130	Intro to Data Base Mgmt	8	Instructor provided materials		\$ 800
West Shore	CIT 246	Routing & Switching	4	Instructor provided materials		\$ 400
West Shore	ENG 111	English Composition I	80	Writing Spaces: Readings on Writing, Volume 1	Parlor Press & WAC Clearinghouse; <a href="https://writingspaces.org/volume1">https://writingspaces.org/volume1</a>	\$ 8,000
West Shore	FYS 101	First-Year Seminar	19	Instructor provided materials		\$ 1,900
West Shore	HUM 103	Humanities in the Modern World	21	No text required		\$ 2,100
West Shore	MTH 120	Introductory Algebra	51	Introductory and Intermediate Algebra	Tyler Wallace; Lulu.com	\$ 5,100
West Shore	MTH 121	Intermediate Algebra	46	Introductory and Intermediate Algebra	Tyler Wallace; Lulu.com	\$ 4,600
West Shore	MTH 123	Introduction to Statistics	59	Statistics Using Technology	Kathryn Kozak; opentextbookstore.com	\$ 5,900
West Shore	MTH 125	Quantitative Reasoning	24	Math in Society	David Lippman; Lulu.com or opentextbookstore.com	\$ 2,400
West Shore	MTH 151	College Algebra	8	Precalculus by Stitz and Zeager, Version 3	<a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	\$ 800
West Shore	MTH 161	Pre-Calculus	10	Precalculus by Stitz and Zeager, Version 3	<a href="http://www.stitz-zeager.com/">http://www.stitz-zeager.com/</a>	\$ 1,000
West Shore	NSC 101	Life Science	14	Concepts of Biology (OER) 2016	OpenStax: 978-1-938168-11-6	\$ 1,400
West Shore	NSC 102	Physical Science: Physics & Space	12	No text required		\$ 1,200
West Shore	PHY 233	General Physics II	1	College Physics (OER)	OpenStax: 978-1-938168-00-0	\$ 100
West Shore	SOC 171	Introduction to Sociology	83	Introduction to Sociology (OER) 2ND 16	OpenStax: 978-1-938168-41-3	\$ 8,300
<b>West Shore Total</b>	<b>19</b>		<b>526</b>			<b>\$ 52,600</b>
<b>Grand Total</b>	<b>393</b>		<b>33,004</b>			<b>\$ 3,300,400</b>

## References

This report, along with prior semester reports, will be housed on the [Michigan Colleges Online member website](#). The site also contains information on those involved in the submission of their institutional information and those who helped guide the decisions of this initiative.

### About Michigan Colleges Online

Michigan Colleges Online, is designed to connect the teaching and student support capacity of Michigan community colleges so learners can access affordable, high-quality learning experiences whenever and wherever desired. The collaborative allows students from anywhere in Michigan and beyond to take any one of the 1,200+ online courses listed in its online catalog. Michigan Colleges Online is a center of excellence offered through the Michigan Community College Association. Learn more at [www.michigancollegesonline.org](http://www.michigancollegesonline.org).

### About the Michigan Community College Association

The Michigan Community College Association fosters collaboration, connection, and partnerships among the 28 Michigan public community colleges and their stakeholders. The MCCA provides strong legislative and public advocacy in Lansing and throughout Michigan, works to improve the image and credibility of community colleges, and advances numerous shared initiatives through the Michigan Center for Student Success, Michigan Colleges Online, and the Michigan New Jobs Training Program. Learn more at [www.mcca.org](http://www.mcca.org).