

A REPORT TO THE LEGISLATURE

December 1, 2015



MICHIGAN
VIRTUAL
UNIVERSITY



Prepared By: Michigan Virtual University

MVU BOARD OF DIRECTORS

Chair
Daniel F. Kiblawi
President & CEO
Egelhof Controls Corporation

Vice Chair
Dr. John L. King
Professor
School of Information
University of Michigan

Secretary/Treasurer
Darrell Burks
Previous Partner
PricewaterhouseCoopers

Audit Committee Chair
Robert L. Filka
CEO
Michigan Association of
Home Builders

President & CEO, MVU
Jamey Fitzpatrick

Brian Broderick
Executive Director
Michigan Association
of Non-Public Schools

Prentiss M. Brown, J.D.
Attorney
Prentiss M. Brown, P.C.

John Butler
Senior Vice President
Human Resources and
Shared Services
Consumers Energy

Gretchen Dziadosz
Executive Director
Michigan Education
Association

Rick Inatome
CEO, InfiLaw, Inc.
Chairman & Principal
Shareholder,
Motorquest
Automotive Group

James Lorenson
President
Gogebic Community
College

Neil Marchuk
Executive Vice President
Human Resources
TRW Automotive

Dr. Barbara Markle
Assistant Dean of
K-12 Outreach
College of Education
Michigan State
University

Kevin Oxley
Superintendent
Jackson Intermediate
School District

Dr. Rossi Ray-Taylor
President & CEO
Ray.Taylor and
Associates, LLC

Brian J. Whiston
Superintendent of
Public Instruction
Michigan Department
of Education

Wendy Zdeb-Roper
Executive Director
Michigan Association
of Secondary School
Principals

A REPORT TO THE LEGISLATURE

Prepared by Michigan Virtual University

December 1, 2015

This report is submitted in compliance with Section 98 (6) of Public Act 85 of 2015, which requires the *Michigan Virtual University (MVU)* to provide, not later than December 1 of each fiscal year, a report to the House and Senate Appropriations Subcommittees on State School Aid, the State Budget Director, the House and Senate Fiscal Agencies and the Department of Education that includes specific information related to the *Michigan Virtual School (MVS)* for the preceding fiscal year.

Background

The *Michigan Virtual School*, *Michigan LearnPort*, and *Michigan Virtual Learning Research Institute* are the core divisions of *MVU*, a 501(c)(3) nonprofit organization that works in partnership with K-12 schools to supplement and expand online learning opportunities. For the past 17 years, *MVU* has provided leadership to accelerate the adoption and use of online learning within Michigan. Working in partnership with hundreds of Michigan schools, *MVU* offers classes to students and professional development programs for educators through online, web-based services. *MVS* was created by Public Act 230 of 2000 to serve both traditional and nontraditional students, and since its inception, *MVS* has recorded over 183,000 course registrations.

During the 2014-15 academic year, *MVS* had 23,673 course registrations. *MVS* offers a broad range of core academic courses aligned with state standards, college-level equivalent courses, remedial, enrichment and world language courses, and other innovative online experiences. Other *MVU* services include *Michigan LearnPort*, a statewide web-based professional development system that provides approximately 350 online courses, videos, webinars, and training modules for Michigan educators and school employees, and *myDreamExplorer® (MDX)*, an online career exploration tool that includes a rich collection of planning resources that supported over

8,500 middle and high school students during 2014-15. Last year, *MVU* launched MyBlend, a program offering blended learning resources, products, and services to schools to aid them in providing personalized learning options to their students to support improved student achievement.

Funding for *MVS* is provided through a combination of annual appropriations from the Legislature, reduced course fees charged to enrolling schools, and private grant funds. *MVS* does not grant course credit or award diplomas independently, but works in partnership with local and intermediate school districts that award credit or diplomas.

In 2011, *MVS* was awarded a five-year accreditation renewal by AdvancED®. This comprehensive evaluation process recognizes *MVS*'s commitment to providing high-quality online instructional services. As part of this continued quality improvement process, *MVS* will be hosting AdvancED representatives this spring for a re-accreditation visit.

MVS continues to be recognized as one of the leading and largest virtual schools in the U.S. and works in collaboration with a national network of K-12 online learning organizations to promote the development of high-quality programs and services for students and educators.

Expanding Educational Opportunities in Michigan

MVU has played three key roles to support and accelerate the growth and development of online learning in Michigan's K-12 schools. Initially, the organization served as a change agent at a time when most school leaders and parents were not familiar with online learning. Over the past decade, *MVU* has invested significant time and resources to create a general awareness of online learning for Michigan's policy makers, educators, parents, and students.

As school leaders developed an appreciation for the value and potential of online instruction, *MVU* also became a service provider of high-quality online courses and career planning tools. These efforts included helping schools develop local support systems to ensure student success through mentor training, technical support and helpdesk services. *MVU* also introduced innovative online professional development programs and services available to all Michigan K-12 education personnel.

A third role for *MVU* has evolved as schools adopt locally-developed online learning programs, including blended models using classroom-based and online resources. Through its MyBlend program, *MVU* helps schools train teachers, acquire online content, develop online assessments, monitor quality, conduct evaluation, and improve infrastructure and technical support services.

In 2012, the Michigan Legislature asked *MVU* to establish a center for online learning research and innovation, and through this center, directed *MVU* to engage in a variety of strategic initiatives to advance understanding of the interrelationship of learning and technology. The center, now formally known as the *Michigan Virtual Learning Research Institute (MVLRI)*, is a natural extension of the work *MVU* performs.

In 2014, *MVU* completed an eight-month organizational strategic planning process using both internal and external stakeholders to review and update *MVU*'s vision, mission, and strategic goals, including formal input and support from the *MVU* Board of Directors.

Four important planning assumptions helped shape discussion:

1. Michigan's K-12 education system must leverage the power and potential of technology tools to differentiate instruction, achieve new efficiencies and make learning more relevant for today's students.
2. Online and blended learning will serve as critically important instructional strategies to personalize learning for all students in the state.
3. The transition to the future for the K-12 community will likely be fraught with resistance to change. There will be many trials and errors with no clear road map that guarantees student success and system sustainability.
4. The need for leadership, research and capacity building support is essential for the K-12 system, and *MVU* is uniquely positioned to facilitate system level changes.

Recognizing these challenges, *MVU*'s strategic plan identified four key roles for the organization:

- Leadership – Demonstrate expertise in online and blended learning through success.
- Innovation & Research – Leverage our capacity to develop, study, and energize the adoption of new educational delivery models.
- Quality Services – Improve continuously in what we do through attention to feedback.
- Capacity Builder – Elevate *MVU* and the K-12 community to support digital learning environments.

These roles and recommendations from the *MVU* strategic plan refine the general direction of the company rather than set a radical new path. For the foreseeable future, schools will continue to need assistance in developing competencies for teaching and supporting online and blended learners. Despite

more than a decade of expansion in online learning, only about two percent of K-12 enrollments in Michigan are delivered online. *MVU*, through *Michigan LearnPort* and *MyBlend*, is positioned to continue providing the K-12 community with courses, resources, and services that will help support local districts as they broaden student opportunities. Through *MVLRI*, ongoing research and evaluation into online and blended learning models will help Michigan schools and students to better incorporate and adapt to these new learning opportunities.

Scope of the Report

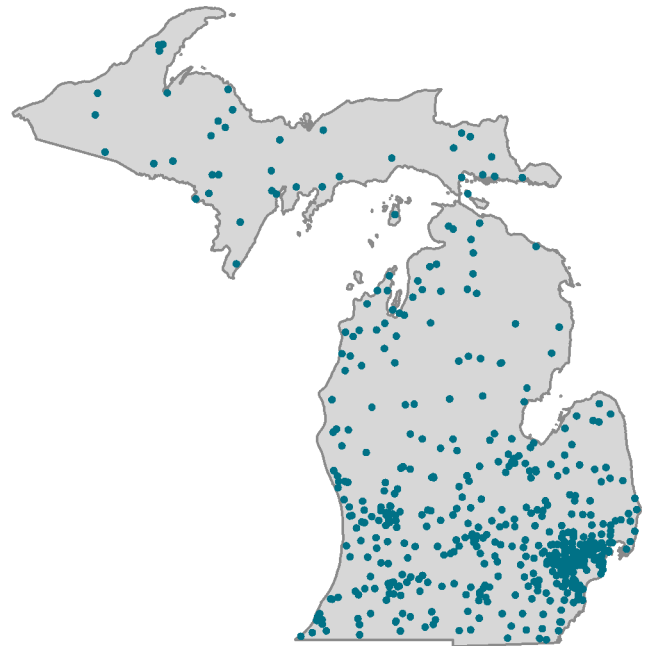
The information provided in this report addresses the requirements that are listed in Section 98 (6) of P.A. 85 of 2015. These items include, for the period October 1, 2014 - September 30, 2015, a list of districts served by *MVS*, a list of online course titles available to districts, course enrollment and completion rate information by course, and the overall completion rate.

Districts Served by MVS

From October 1, 2014 - September 30, 2015, *MVS* served students enrolled in 401 different Michigan districts (505 entities within those districts). This included 318 Michigan local education agency districts (LEA Districts), 32 public school academy districts (PSA Districts), four intermediate school districts (ISD Districts), and 47 nonpublic schools. According to data available through the Center for Educational Performance and Information website (<http://www.cep.state.mi.us/eem/EntitySearchQuick.aspx>), there were 548 open-active LEA Districts, 302 PSA Districts, 56 ISD Districts, and 661 nonpublic schools in October 2015. Using these counts as estimates for the 2014-15 school year, *MVS* served approximately 58% of LEA Districts, 11% of PSA Districts, 7% of ISD Districts, and 7% of nonpublic schools. A complete list of the Michigan districts served during 2014-15 is included in Exhibit 1.

These Michigan districts accounted for 21,676 *MVS* course enrollments over the past year. School enrollments in *MVS* courses over the past year ranged

Figure 1
Michigan Enrollments in the Michigan Virtual School by City and Zip Code during the 2014-15 School Year



from a single student enrollment to 969 student enrollments. The average number of enrollments per Michigan school using *MVS* during 2014-15 was 43. In addition, *MVS* had 1,857 student registrations from 1,168 Michigan home schools during 2014-15.

Figure 1 provides a geographic representation of where *MVS* enrollments came from for the public, nonpublic, and home schools that enrolled students during the 2014-15 school year. During this period, schools and families in 78 of the state's 83 counties were supported with *MVS* online courses and programs.

In addition to serving Michigan schools and students, *MVS* had 58 enrollments from eight schools outside of Michigan and 82 enrollments from 45 home schools outside of Michigan.

In total, the 23,673 enrollment with *MVS* came from 14,348 students. This was an average of 1.6 enrollments per student. Fifty-five percent of students took only one course during 2014-15.

MVS Online Courses Available to Michigan Districts

Exhibit 2 provides a listing of the online courses offered by MVS to Michigan districts and students during the period October 1, 2014 - September 30, 2015. These online courses include titles listed in the MVS course catalog for the corresponding fall, spring, and summer semesters, as well as three trimesters during the fall and spring. The list includes 214 possible courses, representing core academic courses specifically aligned with the Michigan Merit Curriculum (MMC) and the Common Core, Advanced Placement® (AP®) courses, credit recovery courses, and summer enrichment experiences for students. These online courses include those developed by MVS and courses and content licensed from nationally-recognized providers. A majority of MVS courses (82%) were offered at the high school level, though 41 online courses were available for middle school students during 2014-15.

MVS Online Course Completion and Pass Rates

Earlier this year, MVU, through the *Michigan Virtual Learning Research Institute*, published the second annual *Michigan's K-12 Virtual Learning Effectiveness Report* (available from http://media.mivu.org/institute/pdf/er_2014.pdf). This publication used data reported to the state by Michigan public schools to examine all K-12 virtual enrollments in Michigan between the 2012-13 and 2013-14 school years.

To assist with comparisons between the statewide data presented in the *Effectiveness Report* and the data published in this report, MVS course enrollments were classified according to state-recognized completion statuses. When schools report enrollment information to the state, one of the data components submitted is for a completion status field. For the 2014-15 school year, schools had to select from among 11 different completion statuses for an enrollment. (See page 501 of the *Michigan Student Data System (MSDS) Collection Details Manual Version 1.3*. Available from http://www.michigan.gov/documents/cepi/2014-15_MSDS_collection_details_454235_7.pdf). A few examples of completion statuses include: Audited, Completed/Passed, Completed/Failed, and Withdrawn/Exited.

Using this established framework for reporting on all enrollments, a few important issues are evident. First, enrollments with a completion status of “Audited” exist where the student enrolls in the course without expecting or receiving credit. Because there is no performance expectation for such instances, MVU has removed any audited enrollments from MVS performance calculations. To remind readers of this removal, the phrase “credit- or grade-attempted enrollments” is used in performance calculations to indicate that audited enrollments have been excluded.

Second, a course “completion” is not synonymous with “passing” a course. As noted, schools differentiate when reporting to the state those enrollments that were completed but failed (Completed/Failed) from those that were completed and passed (Completed/Passed). Thus, “completion” as it is traditionally used by schools when reporting data to the state conveys the meaning of “finished” or “remained enrolled” throughout the course timeframe and does not signify whether the student earned a passing grade in the course for which credit would be granted.

To better align with this convention, this report uses the term “completion rate” to refer to the percentage of credit- or grade-attempted enrollments where the student finished or remained in the course through the last day of the academic term. A new calculation – “pass rate” – is used in this report to refer to the percentage of credit- or grade-attempted enrollments where the student earned 60% or more of the total course points (an indication of passing).

To allow for easier comparisons with data collected by the state, data in this report are grouped using the National Center for Education Statistics (NCES) Subject Areas. (See page 486 of the *Michigan Student Data System (MSDS) Collection Details Manual Version 1.3*. Available from http://www.michigan.gov/documents/cepi/2014-15_MSDS_collection_details_454235_7.pdf). The NCES subject areas also correspond to the way courses are organized within Michigan’s Online Course Catalog (<https://micourses.org>), the website publicizing Section 21f online courses in the state.

Figure 2
2014-15 *MVS* Withdrawn, Failed, and Pass Rates by NCES Subject Area

NCES Subject Area	Attempted Count	Withdrawn	Completed/Failed	Completed/Passed (Pass Rate)
Agricultural, Food, and Natural Resources	<10	0%	0%	100%
Business and Marketing	1,087	0.6%	12.1%	87.2%
Communications and Audio/Visual Technology	125	0%	19.2%	80.8%
Computer and Information Sciences	920	1.5%	18.4%	80.1%
Engineering and Technology	118	0%	11.9%	88.1%
English Language and Literature	1,575	2.0%	19.6%	78.4%
Fine and Performing Arts	972	1.2%	16.8%	82.0%
Foreign Language and Literature	5,738	1.5%	18.2%	80.2%
Health Care Sciences	608	0.2%	11.2%	88.7%
Life and Physical Sciences	2,428	0.9%	15.4%	83.6%
Mathematics	3,620	1.3%	15.2%	83.5%
Miscellaneous	1,353	1.0%	11.3%	87.7%
Physical, Health, and Safety Education	887	2.0%	11.7%	86.2%
Public, Protective, and Government Services	609	1.1%	9.0%	89.8%
Religious Education and Theology	<10	0%	0%	100%
Social Sciences and History	3,434	1.9%	12.6%	85.5%
Total	23,478	1.4	15.3%	83.3%

Note: Percentages may not sum to 100% due to rounding.

With those understandings, *MVS* had a total of 23,673 enrollments in the 2014-15 school year. Of those, 195 enrollments were in courses where credit or a grade were not attempted. Of the 23,478 credit- or grade-attempted enrollments, 23,150 enrollments were from students who finished or remained in the course through the last day of the academic term for a completion rate of 98.6%. In terms of course success, 19,555 of the 23,478 enrollments earned 60% or more of the total course points for an overall pass rate of 83.3%. Figure 2 shows how the *MVS* pass rate varied by subject area. A full list of the 2014-15 *MVS* pass rates by course title can be found in Exhibit 3.

To put the *MVS* pass rate statistics into perspective, consider what rates were for all K-12 virtual courses in the previous school year. Using the data from Table 18 of the *Effectiveness Report* (p. 17), 54,102 K-12 virtual enrollments fell into one of the three withdrawn categories, 50,126 had completion statuses of “Completed/Failed,” and 183,010 had “Completed/

Passed” status. That means of the 287,238 enrollments with completion statuses similar to *MVS*, 18.8% had a “withdrawn” status, 17.5% had a “Completed/Failed” status and 63.7% had a “Completed/Passed” status. For the purpose of this comparison, 7,622 “Audited,” 24,623 “Incomplete,” 121 “Testing Out,” and 26 “Ongoing Enrolled/Special Ed” enrollments were omitted from the calculations. Their inclusion would only lower the statewide pass rate.

Though this comparison data is from the prior year, it suggests the *MVS* pass rate was considerably higher than the state average for virtual courses. In fact, even if all 24,623 incomplete enrollments excluded from the above calculation eventually turned into “Completed/Passed,” the statewide average would only rise to 66.6% — more than 16 percentage points below the *MVS* pass rate.

Several factors impact the *MVS* pass rate. The reason a student enrolls in an *MVS* course is one worthy

of highlighting. Figure 3 shows how the *MVS* pass rate varies by enrollment reason. When a student is enrolled in an *MVS* course, the person enrolling the student selects one of five enrollment reasons. Those reasons are: course unavailable at local school, scheduling conflict, learning preference of the student, credit recovery, or other. As Figure 3 makes apparent, student performance in *MVS* courses is considerably different among these five reasons. Students who enroll in *MVS* courses because of the course was unavailable locally or to resolve a scheduling conflict had pass rates in 2014-15 of 88.9% and 88.3%, respectively. Conversely, students using *MVS* courses for credit recovery purposes were less likely to pass, yielding only a 75.8% pass rate.

In addition to considering how pass rates varied by enrollment reason, it is also worth considering how the pass rate varied by district. Consider, for instance, the *MVS* pass rate of 80.2% for Foreign Language and Literature. One of the districts served by *MVS*

had over 50 enrollments in Foreign Language and Literature courses, yet had a 63% pass rate. A different district also with more than 50 Foreign Language and Literature enrollments—including many of the same titles—had a pass rate of 91%. This district-level variability is similar to what was found statewide in the *Effectiveness Report*; some districts implemented high-performing online learning models and others did not. Figure 4 charts how districts' *MVS* pass rates differed. Of the 401 Michigan districts that used *MVS* in 2014-15, 176 of them (44%) had overall *MVS* pass rates of 90% or greater. Another 97 districts (24%) achieved *MVS* pass rates of 80% to less than 90%. Clearly, many Michigan districts experience high levels of success with *MVS* courses.

Implementation Resources

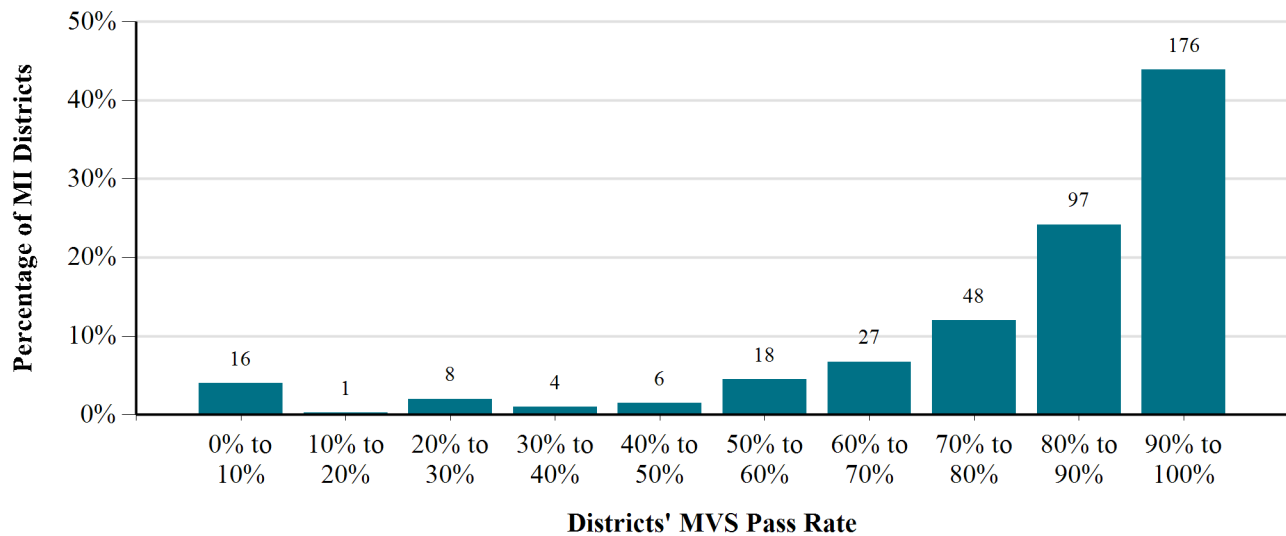
These data and the data in the *Effectiveness Report* clearly suggest many schools need help in implementing successful online learning programs for their students. Toward this end, *MVU* has focused

Figure 3
2014-15 *MVS* Pass Rates by NCES Subject Area and Enrollment Reason

NCES Subject Area	Course Unavailable Locally	Scheduling Conflict	Learner Preference	Credit Recovery	Other	Missing
Agriculture, Food, and Natural Resources	100%	-	-	-	100%	-
Business and Marketing	87.2%	85.7%	90.2%	75%	88.5%	87.8%
Communications and Audio/Visual Technology	91.7%	100%	100%	100%	80%	78.4%
Computer and Information Sciences	87%	80%	80%	100%	81.5%	80.3%
Engineering and Technology	93.3%	-	66.7%	-	100%	88.5%
English Language and Literature	93.5%	88.5%	83.6%	69%	75.8%	79.9%
Fine and Performing Arts	88.4%	93.8%	84.2%	33.3%	85.2%	82.2%
Foreign Language and Literature	86.7%	84.8%	90.9%	70.9%	83.5%	80.1%
Health Care Sciences	89.9%	87.5%	71.4%	100%	95.7%	89.1%
Life and Physical Sciences	91.3%	91.8%	88%	84.3%	88.2%	82.6%
Mathematics	87.7%	84.9%	84.7%	77.1%	80.6%	85.1%
Miscellaneous	89.9%	100%	90.6%	76.5%	94.1%	87.7%
Physical, Health, and Safety Education	95%	90.7%	89.2%	92.3%	85.3%	86.1%
Public, Protective, and Government Service	96%	100%	86.7%	100%	88.9%	89.2%
Religious Education and Theology	-	100%	-	100%	-	-
Social Sciences and History	90.4%	88.2%	85%	73%	91.3%	86.2%
Total	88.9%	88.3%	86.4%	75.8%	85.2%	83.6%

Note: Percentages may not sum to 100% due to rounding.

Figure 4
2014-15 Districts' MVS Pass Rate Distribution by Pass Rate Bins



on developing practical resources to support school administrators, counselors, teachers, and parents.

Section 21f Tool Kit. Section 21f of the State School Aid Act allows students in grades 6-12 to take two online courses from their local district catalog or the statewide catalog of online courses hosted by *MVU*. With input from the Michigan Department of Education, the Michigan Association of Secondary School Principals, the Michigan Elementary and Middle School Principals Association, the Michigan Association of School Administrators, the Michigan Association of Intermediate School Administrators, the Michigan Association of School Boards, the Michigan Association for Computer Users in Learning, the Michigan Association for Supervision and Curriculum Development, and Regional Educational Media Center representatives, *MVU* created the Section 21f Tool Kit. The Tool Kit (available at https://micourses.org/resources/21f_Tool_Kit.html) provides comprehensive resources in a single site. From information about the legislation itself to FAQs about the law to an implementation guide, the Tool Kit contains critical information for both consumers and producers of online courses. In addition, the Tool Kit includes links to relevant sections of the Pupil Accounting Manual; draft letters for parents, school personnel, and school board members; sample school board policy; and even sample surveys that can be used to gauge local interest

in online learning.

Parent Guide. One of the most popular resources in the Tool Kit include *MVU's Parent Guide to Online Learning*. The *Parent Guide* is a 16-page publication prepared for parents, guardians, counselors, and others who want to help students decide whether online courses are a good option for them. The guide outlines features of online learning and introduces some of the benefits that online learning offers. It also includes information on online learning opportunities in Michigan, characteristics of successful online learners, and how to prepare for learning online. The guide contains questions and an online learner readiness rubric to help students self-evaluate their skills, knowledge, and dispositions for online learning. The rubric also helps schools, educators, parents, and guardians understand what extra supports students might need during their online coursework. The *Parent Guide* is available for free at <http://media.mivu.org/institute/pdf/parentguide.pdf>.

Mentor Resources: A companion resource available through the Section 21f Tool Kit website is *Mentor Fundamentals: A Guide for Mentoring Online Learners*. Like the *Parent Guide*, *Mentor Fundamentals* is full of practical, research- and experience-based best practices for school employees or parents who provide on-site support

for online learners. Much of the content for *Mentor Fundamentals* was distilled from interviews with 14 experienced mentors from a range of school settings. These interviews yielded significant shared conceptions about mentor roles and responsibilities, proven practices that lead to increased student success, and common concerns about pacing and communication issues. The guide also includes a section that highlights the research conducted around mentoring online learners. *Mentor Fundamentals* fills an important void for schools as the professional development and assistance that many mentors receive has been lacking. *Mentor Fundamentals* is available for free at https://micourses.org/resources/pdf/toolkit/mentor_guide_14.pdf.

Also, *MVU*, through *MVLRI* and its Fellows program, produced an online mentor orientation and training module, *Mentor Basics*, that combines research with best practices derived from the mentor interviews. *Mentor Fundamentals* and the mentor training module are two resources *MVU* shares freely across the state as it works to connect, educate, and support the important work building-level personnel are doing to help online learners in their schools maximize their online learning experiences.

OLOT. A final resource to mention is *MVU*'s Online Learning Orientation Tool – OLOT. OLOT is a self-paced, web-based resource intended to help students understand what online learning entails and introduces students to the skills and knowledge that are key to success in online learning. OLOT covers areas such as Knowing What to Expect, Technical Skills You'll Need, Learning Skills You'll Need, and Managing Day-to-Day. OLOT may be paired with the *MVU* Online Learner Readiness Rubric allowing mentors to direct students to OLOT modules and/or specific

units within the modules based on the results of the student's strengths and weaknesses as identified by the rubric.

Even though OLOT may be used by students independently, often it will be more effective if students have someone they are accountable to for the results and someone – their mentor, parent, or guardian, for example – directing and supporting their efforts. OLOT is freely available at <http://olot.mivu.org/>.

Conclusion

Virtual enrollments in Michigan, including online enrollments, exceeded 319,000 in the 2013-14 school year. The growth in online and blended learning in Michigan and across the nation appears to continue on the trajectory that has experts predicting that by 2019 over half of all enrollments will involve blended or online learning. Unfortunately, Michigan's virtual learning student performance data has shown suboptimal outcomes with some schools implementing high-quality solutions, but too many virtual programs yielding underwhelming results. The data in this report provide evidence that *MVS* online courses are living up to the promise of high-quality online learning being available to students all across the state. As students, parents, teachers, administrators, and policy leaders work to transition toward learning models that enable personalized learning for all students, *MVU* continues to catalyze and accelerate this reform through its online course offerings to middle and high school students; research, evaluation, and distillation of best practices; and professional development services.

Vision

Michigan's digital learning leader advancing personalized education for all learners.

Mission

Advancing K-12 education through digital learning, research, innovation, policy and partnerships.

Michigan Virtual University, a nonprofit corporation, is an equal opportunity employer committed to the principles of nondiscrimination.

Exhibit 1. 2014-15 Michigan Districts Served

Achieve Charter Academy
Adrian City School District
AGBU Alex-Marie Manoogian School
Airport Community School Dist.
Akiva Hebrew Day School
Alanson Public Schools
Alba Public Schools
Alcona Community Schools
All Saints Central School
Allegan Public Schools
Allen Park Public Schools
Allendale Public School District
Alma Public Schools
Almont Community Schools
Ann Arbor Public Schools
Arbor Preparatory High School
Arenac Eastern School District
Armada Area Schools
Austin Catholic Academy
Bad Axe Public Schools
Baldwin Community Schools
Bath Community Schools
Battle Creek Academy
Battle Creek Public Schools
Bay City School District
Beal City Public Schools
Bear Lake School District
Beaver Island Community School-Beaver Island
Belding Area School District
Bellaire Public Schools
Benzie County Central Schools
Berkley School District
Berrien Springs Public Schools
Big Bay De Noc School District
Big Rapids Public Schools
Birch Run Area School District
Birmingham City School District
Black River Public School
Blissfield Community Schools
Bloomfield Hills School District
Boyne City Public Schools
Brandon School District
Brandywine Community Schools
Breckenridge Community Schools
Breitung Township Schools
Bridgman Public Schools
Brighton Area Schools
Brimley Area Schools
Bronson Community School Dist.
Brown City Community Schools
Buckley Community School Dist.
Bullock Creek School District
Byron Area Schools
Byron Center Charter School

Byron Center Public Schools
Cadillac Area Public Schools
Caledonia Community Schools
Calhoun ISD
Calvary Baptist Academy
Calvary Christian Academy-Ypsilanti
Calvin Christian High Sch.
Canton Charter Academy
Canton Preparatory H.S.
Cardinal Mooney Cath. Sch.
Carney-Nadeau Public Schools
Caro Community Schools
Carson City-Crystal Area Schools
Caseville Public Schools
Cass City Public Schools
Cassopolis Public Schools
Cedar Springs Public Schools
Central Academy
Central Lake Public Schools
Central Montcalm Public Schools
Charlotte Public Schools
Charlton Heston Academy
Charyl Stockwell Academy
Cheboygan Area Schools
Chesaning Union Schools
Chippewa Hills School District
Chippewa Valley Schools
City of Harper Woods Schools
Clarkston Community School District
Clintondale Community Schools
Coldwater Community Schools
Colon Community School District
Columbia School District
Comstock Public Schools
Concord Academy Boyne
Concord Community Schools
Constantine Public School District

Coopersville Area Public School District
Cornerstone Health and Technology School
Crossroads Charter Academy
Crosswell-Lexington Community Schools
Dansville Schools
Dearborn City School District
DeLaSalle Collegiate High School
Delton-Kellogg School District
DeTour Arts and Technology Academy
Detroit City School District
DeWitt Public Schools
Dexter Community School Dist.
Divine Child High School
Dr. Joseph F. Pollack Academic Center of Excellence
Dryden Community Schools
Durand Area Schools
Early College Alliance
East China School District
East Grand Rapids Public Schools
East Jordan Public Schools
East Lansing School District
Eaton Rapids Public Schools
Edwardsburg Public Schools
Elk Rapids Schools
Engadine Consolidated Schools
Escanaba Area Public Schools
Essexville-Hampton Public Schools
Eton Academy
Evart Public Schools
Everest Academy
Ewen-Trout Creek Consolidated School District
Excel Charter Academy

SUPPLEMENTAL INFORMATION

Exhibit 1:

2014-15 Michigan Districts Served

Exhibit 2:

2014-15 Online Course Titles Offered by MVS to Michigan Schools

Exhibit 3:

2014-15 MVS Summary of Courses, Enrollments, and Pass Rates

Fairview Area School District	Holt Lutheran Schools	Lawton Community School District
Farmington Public School District	Holt Public Schools	Leland Public School District
Fennville Public Schools	Honey Creek Community School	Lenawee Christian School
Ferndale Public Schools	Hopkins Public Schools	Lenawee ISD
FlexTech High School	Houghton Lake Community Schools	Les Cheneaux Community Schools
Forest Hills Public Schools	Houghton-Portage Township Schools	Leslie Public Schools
Forest Park School District	Howell Public Schools	Livonia Public Schools
Fowler Public Schools	Huron School District	Ludington Area School District
Fowlerville Community Schools	Huron Valley Lutheran High School	Lumen Christi High School
Fr. Gabriel Richard High School	Huron Valley Schools	Mackinac Island Public Schools
Frankel Jewish Academy	Imlay City Community Schools	Macomb Christian Schools
Frankenmuth School District	Interlochen Arts Academy	Madison Public Schools (Oakland)
Frankfort-Elberta Area Schools	Ionia Public Schools	Manchester Community Schools
Freeland Community School District	Iron Mountain Public Schools	Manistee Area Schools
Fremont Public School District	Ishpeming Public School District	Manistique Area Schools
Fulton Schools	Ithaca Public Schools	Maple Valley Schools
Gabriel Richard Catholic High School	Jackson Catholic Middle School	Marcellus Community Schools
Galesburg-Augusta Community Schools	Jackson Public Schools	Marian High School
Gaylord Community Schools	Jenison Public Schools	Marlette Community Schools
Gibraltar School District	Johannesburg-Lewiston Area Schools	Marquette Area Public Schools
Gladwin Community Schools	Joseph K. Lumsden Bahweting Anishnabe Academy	Marshall Public Schools
Glen Lake Community Schools	Kalamazoo Christian High School	Mason Public Schools (Ingham)
Gobles Public School District	Kalamazoo Public School District	Mattawan Consolidated School
Godwin Heights Public Schools	Kaleva Norman Dickson School District	Mayville Community School District
Grand Blanc Community Schools	Kalkaska Public Schools	Mendon Community School District
Grand Haven Area Public Schools	Kearsley Community Schools	Menominee Area Public Schools
Grand Ledge Public Schools	Kelloggsville Public Schools	Merritt Academy
Grand Rapids Christian High School	Kenowa Hills Public Schools	Michigan Center School District
Grand Rapids Ellington Academy	Kensington Woods High School	Michigan Islamic Academy
Grand Traverse Academy	Kent City Community Schools	Michigan Technical Academy
Grandville Public Schools	Kentwood Public Schools	Mid Peninsula School District
Grass Lake Community Schools	Kingsley Area Schools	Midland Academy of Advanced and Creative Studies
Greenville Public Schools	Kingston Community School District	Midland Public Schools
Grosse Ile Township Schools	L'Anse Creuse Public Schools	Milan Area Schools
Grosse Pointe Public Schools	Ladywood High School (Detroit)	Millington Community Schools
Gull Lake Community Schools	Lake Linden-Hubbell School District	Mona Shores Public School District
Hamilton Community Schools	Lake Orion Community Schools	Monroe Public Schools
Hancock Public Schools	Lakeshore School District (Berrien)	Montabella Community Schools
Harbor Beach Community Schools	Lakeview Public Schools (Macomb)	Montrose Community Schools
Harper Creek Community Schools	Lakeview Sch. District (Calhoun)	Morrice Area Schools
Harrison Community Schools	Lakewood Public Schools	Munising Public Schools
Hart Public School District	Lansing Catholic Central High School	Muskegon Catholic Central High School
Hartford Public School District	Lansing Christian School	Negaunee Public Schools
Hartland Consolidated Schools	Lansing Public School District	New Buffalo Area Schools
Haslett Public Schools	Lapeer Community Schools	New Life Christian Academy
Hastings Area School District	Lawrence Public School District	Niles Community School District
Hemlock Public School District		North Adams-Jerome Schools
Hesperia Community Schools		North Branch Area Schools
Hillsdale Community Schools		North Dickinson County Schools
Holland Christian High School		
Holland City School District		
Holly Area School District		

North Huron School District	District	Unity Christian High School
North Muskegon Public Schools	Rochester Community School	Utica Community Schools
Northport Public School District	District	Vanderbilt Area Schools
Northview Public School District	Rockford Public Schools	Vandercook Lake Public Schools
Northville Public Schools	Rogers City Area Schools	Vassar Public Schools
Norway-Vulcan Area Schools	Romeo Community Schools	Vicksburg Community Schools
Notre Dame Preparatory School	Roscommon Area Public Schools	Walkerville Public Schools
Nouvel Catholic Central High School	Sacred Heart Academy	Walled Lake Consolidated Schools
Novi Community School District	Saginaw City School District	Warren Woods Public Schools
Oakland Christian School	Saline Area Schools	Washtenaw Christian Academy
Oakland FlexTech Academy	Sand Creek Community Schools	Watersmeet Township School District
Oakland Schools	Sandusky Community School District	Watervliet School District
Oakridge Public Schools	Saranac Community Schools	Waverly Community Schools
Ojibwe Charter School	Saugatuck Public Schools	Wayland Union Schools
Okemos Public Schools	Sault Ste. Marie Area Schools	Wayne-Westland Community School District
Olivet Community Schools	School District of the City of Royal Oak	Webberville Community Schools
Onkama Consolidated Schools	Schoolcraft Community Schools	Wellspring Preparatory High School
Onsted Community Schools	Shepherd Public School District	West Branch-Rose City Area Schools
Ontonagon Area Schools	Shrine High School	West Iron County Public Schools
Orchard View Schools	South Canton Scholars Charter Academy	West Michigan Aviation Academy
Oscoda Area Schools	South Christian High School	West Ottawa Public School District
Otsego Public Schools	South Lyon Community Schools	Western School District
Ovid-Elsie Area Schools	Southfield Christian School	Whiteford Agricultural Schools
Oxford Community Schools	Southfield Public School District	Whitehall District Schools
Parchment School District	Southgate Community School District	Whitmore Lake Public Schools
Paw Paw Public School District	Sparta Area Schools	Williamston Community Schools
Peck Community School District	Spring Lake Public Schools	Wolverine Community Schools
Pellston Public Schools	St. Catherine of Siena Academy	Yale Public Schools
Pennfield Schools	St. Clair County RESA	Zeeland Public Schools
Pentwater Public School District	St. Ignace Area Schools	
Perry Public School District	St. Mary Catholic Central High School	
Pewamo-Westphalia Community Schools	St. Thomas School	
Pickford Public Schools	Standish-Sterling Community Schools	
Pinckney Community Schools	Stockbridge Community Schools	
Plainwell Community Schools	Sturgis Public Schools	
Plymouth Christian Academy	Summerfield School District	
Plymouth-Canton Community Schools	Superior Central Schools	
Port Huron Area School District	Suttons Bay Public Schools	
Portage Public Schools	Swan Valley School District	
Portland Public School District	Swartz Creek Community Schools	
Pottersville Public Schools	Tecumseh Public Schools	
Powell Township Schools	The Pathfinder School Inc.	
Prevail Academy	Thornapple Kellogg School Dist.	
Quincy Community School District	Three Rivers Community Schools	
Rapid River Public Schools	Traverse City Area Public Schools	
Reach Charter Academy	Trenton Public Schools	
Reading Community Schools	Tri County Area Schools	
Redford Union School District	Troy School District	
Reed City Area Public Schools	Ubly Community Schools	
Republic-Michigamme Schools	Union City Community Schools	
Richmond Community Schools	Unionville-Sebewaing Area S.D.	
River Valley School District		
Riverview Community School		

Exhibit 2. 2014-15 Online Course Titles Offered by MVS to Michigan Schools

Agriculture, Food, and Natural Resources

Veterinary Science

Business and Marketing

Accounting (A)
Accounting (B)
Business Ethics
Entrepreneur Bus. Management
Entrepreneur Business Planning
Entrepreneurship
Sports and Entertainment

Communications and Audio/ Visual Technology

Journalism

Computer and Information Sciences

AP Computer Science A (A)
AP Computer Science A (B)
Game Design
Java Programming
Microsoft Office 2013
Visual Basic.Net Programming
Web Design Basics HTML

Engineering and Technology

Bioethics

English Language and Literature

AP English Lang. & Comp. (A)
AP English Lang. & Comp. (B)
AP English Lit. & Comp. (A)
AP English Lit. & Comp. (B)
Composition - Advanced
Composition - Beginning
English 6 (A)
English 6 (B)
English 7 (A)
English 7 (B)
English 8 (A)
English 8 (B)
English 9 (A)
English 9 (B)
English 10 (A)
English 10 (B)
English 11 (A)
English 11 (B)
English 12 (A)
English 12 (B)
Mythology and Folklore
Reading

English Language and Literature (Cont.)

World Literature

Fine and Performing Arts

American Film Survey
AP Art History (A)
AP Art History (B)
Art Appreciation
Digital Photography
Directors of the Golden Age
In Search of Cyrano
Music Appreciation

Foreign Language and Literature

American Sign Language 1 (A)
American Sign Language 1 (B)
American Sign Language 2 (A)
American Sign Language 2 (B)
AP French (A)
AP French (B)
AP Spanish (A)
AP Spanish (B)
Chinese 1 (A)
Chinese 1 (B)
Chinese 2 (A)
Chinese 2 (B)
Chinese 3 (A)
Chinese 3 (B)
Chinese 4 (A)
Chinese 4 (B)
French 1 (A) (6-8)
French 1 (B) (6-8)
French 1 (A)
French 1 (B)
French 2 (A)
French 2 (B)
French 3 (A)
French 3 (B)
French 4 (A)
French 4 (B)
German 1 (A) (6-8)
German 1 (B) (6-8)
German 1 (A)
German 1 (B)
German 2 (A)
German 2 (B)
German 3 (A)
German 3 (B)
German 4 (A)
German 4 (B)
Japanese 1 (A)
Japanese 1 (B)
Japanese 2 (A)

Foreign Language and Literature (Cont.)

Japanese 2 (B)
Latin 1 (A)
Latin 1 (B)
Latin 2 (A)
Latin 2 (B)
Latin 3 (A)
Latin 3 (B)
Spanish 1 (A) (6-8)
Spanish 1 (B) (6-8)
Spanish 1 (A)
Spanish 1 (B)
Spanish 2 (A) (6-8)
Spanish 2 (B) (6-8)
Spanish 2 (A)
Spanish 2 (B)
Spanish 3 (A)
Spanish 3 (B)
Spanish 4 (A)
Spanish 4 (B)

Health Care Sciences

Medical Terminology

Life and Physical Sciences

Anatomy & Physiology (A)
Anatomy & Physiology (B)
AP Biology (A)
AP Biology (B)
AP Chemistry (A)
AP Chemistry (B)
AP Environmental Science (A)
AP Environmental Science (B)
AP Physics 1 (A)
AP Physics 1 (B)
AP Physics C - Mechanics (A)
AP Physics C - Mechanics (B)
Astronomy
Biology (A)
Biology (B)
Chemistry (A)
Chemistry (B)
Earth Science (A)
Earth Science (B)
Environmental Science (A)
Environmental Science (B)
Human Space Exploration
Oceanography (A)
Oceanography (B)
Physical Science (A)
Physical Science (B)
Physics (A)
Physics (B)
Science 6 (A)

Life and Physical Sciences (Cont.)

Science 6 (B)
Science 7 (A)
Science 7 (B)
Science 8 (A)
Science 8 (B)
Science Tracks

Mathematics

Algebra 1
Algebra 1 (A)
Algebra 1 (B)
Algebra 2 (A)
Algebra 2 (B)
AP Calculus AB (A)
AP Calculus AB (B)
AP Calculus BC (A)
AP Calculus BC (B)
AP Statistics (A)
AP Statistics (B)
Calculus (A)
Calculus (B)
Geometry (A)
Geometry (B)
Math Tracks
Mathematics 6 (A)
Mathematics 6 (B)
Mathematics 7 (A)
Mathematics 7 (B)
Mathematics 8 (A)
Mathematics 8 (B)
Mathematics of Baseball
Personal Finance (A)
Personal Finance (B)
Pre-Algebra (A)
Pre-Algebra (A) - Numbers
Pre-Algebra (B)
Pre-Algebra (B) - Numbers
Pre-Calculus (A)
Pre-Calculus (B)
Probability and Statistics (A)
Probability and Statistics (B)
Trigonometry

Miscellaneous

Career Planning
Careers - Find Your Future
Employability Skills
Leadership Skills Development
Leadership Skills Develop. (A)
Leadership Skills Develop. (B)
Study Skills

Physical, Health, and Safety Education

Health
Personal Fitness

Public, Protective, and Government Services

Forensic Science - Intro
Forensic Science - Advanced

Religious Education and Theology

World Religions

Social Science and History

Anthropology (A)
AP Macroeconomics
AP Microeconomics
AP Psychology
AP U.S. Government & Politics
AP U.S. History (A)
AP U.S. History (B)
AP World History (A)
AP World History (B)
Archaeology
Civics
Economics
Native American History
Psychology
Sociology (A)
Sociology (B)
U.S. History (A)
U.S. History (B)
U.S. History 8 (A)
U.S. History 8 (B)
World Cultures 6 (A)
World Cultures 6 (B)
World Geography 7 (A)
World Geography 7 (B)
World History (A)
World History (B)

Exhibit 3. 2014-15 MVS Summary of Courses, Enrollments, and Pass Rates

Agriculture, Food, and Natural Resources

Course Title	Count	Pass Rate
Veterinary Science	<10	100.0%

Business and Marketing

Course Title	Count	Pass Rate
Accounting (A)	191	84.3%
Accounting (B)	68	82.4%
Business Ethics	382	91.1%
Entrepreneur Business Management	237	93.2%
Entrepreneur Business Planning	102	84.3%
Entrepreneurship	105	71.4%
Sports and Entertainment	<10	50.0%

Communications and Audio/Visual Technology

Course Title	Count	Pass Rate
Journalism	125	80.8%

Computer and Information Sciences

Course Title	Count	Pass Rate
AP Computer Science A (A)	89	91.0%
AP Computer Science A (B)	68	89.7%
Game Design	252	74.6%
Java Programming	114	84.2%
Microsoft Office 2013	46	56.5%
Visual Basic.Net Programming	195	81.0%
Web Design Basics HTML	156	81.4%

Engineering and Technology

Course Title	Count	Pass Rate
Bioethics	118	88.1%

English Language and Literature

Course Title	Count	Pass Rate
AP English Lang & Comp (A)	36	94.4%
AP English Lang & Comp (B)	34	91.2%
AP English Lit & Comp (A)	39	84.6%
AP English Lit & Comp (B)	28	92.9%
Composition - Advanced	43	100.0%
Composition - Beginning	98	86.7%
English 9 (A)	102	69.6%
English 9 (B)	86	73.3%
English 10 (A)	110	63.6%
English 10 (B)	124	75.0%
English 11 (A)	181	74.6%
English 11 (B)	149	79.9%

English Language and Literature (Cont.)

Course Title	Count	Pass Rate
English 12 (A)	232	78.4%
English 12 (B)	165	84.2%
English 6 (A)	<10	100.0%
English 6 (B)	<10	50.0%
English 7 (A)	<10	44.4%
English 7 (B)	<10	57.1%
English 8 (A)	16	75.0%
English 8 (B)	18	83.3%
Mythology and Folklore	<10	100.0%
Reading	59	78.0%
World Literature	32	75.0%

Fine and Performing Arts

Course Title	Count	Pass Rate
American Film Survey	298	75.2%
AP Art History (A)	24	95.8%
AP Art History (B)	18	94.4%
Art Appreciation	124	79.8%
Digital Photography	219	86.8%
Directors of the Golden Age	60	76.7%
In Search of Cyrano	<10	75.0%
Music Appreciation	225	86.7%

Foreign Language and Literature

Course Title	Count	Pass Rate
American Sign Language 1 (A)	870	77.1%
American Sign Language 1 (B)	415	93.0%
American Sign Language 2 (A)	173	90.2%
American Sign Language 2 (B)	129	91.5%
AP French (A)	24	70.8%
AP French (B)	16	93.8%
AP Spanish (A)	31	83.9%
AP Spanish (B)	21	85.7%
Chinese 1 (A)	86	65.0%
Chinese 1 (B)	44	79.5%
Chinese 2 (A)	110	96.3%
Chinese 2 (B)	50	90.0%
Chinese 3 (A)	48	93.8%
Chinese 3 (B)	23	73.9%
Chinese 4 (A)	34	94.7%
Chinese 4 (B)	15	100.0%
French 1 (A) (6-8)	26	65.4%
French 1 (A)	296	79.1%
French 1 (B) (6-8)	<10	100.0%

Foreign Language and Literature (Cont.)

Course Title	Count	Pass Rate
French 1 (B)	198	83.8%
French 2 (A)	127	82.7%
French 2 (B)	102	72.5%
French 3 (A)	52	76.9%
French 3 (B)	28	75.0%
French 4 (A)	37	89.2%
French 4 (B)	21	85.7%
German 1 (A) (6-8)	27	63.0%
German 1 (A)	329	73.6%
German 1 (B) (6-8)	<10	100.0%
German 1 (B)	187	83.4%
German 2 (A)	128	85.9%
German 2 (B)	116	94.0%
German 3 (A)	30	76.7%
German 3 (B)	20	95.0%
German 4 (A)	13	76.9%
German 4 (B)	<10	100.0%
Japanese 1 (A)	214	68.7%
Japanese 1 (B)	91	82.4%
Japanese 2 (A)	53	86.8%
Japanese 2 (B)	47	91.5%
Latin 1 (A)	185	82.7%
Latin 1 (B)	93	92.5%
Latin 2 (A)	47	91.5%
Latin 2 (B)	45	93.3%
Latin 3 (A)	<10	100.0%
Latin 3 (B)	<10	100.0%
Spanish 1 (A) (6-8)	27	88.9%
Spanish 1 (A)	352	58.2%
Spanish 1 (B) (6-8)	<10	71.4%
Spanish 1 (B)	231	73.2%
Spanish 2 (A) (6-8)	<10	83.3%
Spanish 2 (A)	195	73.8%
Spanish 2 (B) (6-8)	<10	<25%
Spanish 2 (B)	180	83.9%
Spanish 3 (A)	82	76.8%
Spanish 3 (B)	50	84.0%
Spanish 4 (A)	54	88.9%
Spanish 4 (B)	42	90.5%

Life and Physical Sciences

Course Title	Count	Pass Rate
Anatomy & Physiology (A)	218	86.7%
Anatomy & Physiology (B)	92	95.7%
AP Biology (A)	44	93.2%
AP Biology (B)	35	91.4%
AP Chemistry (A)	51	84.3%
AP Chemistry (B)	49	61.2%
AP Environmental Science (A)	32	81.3%
AP Environmental Science (B)	20	95.0%
AP Physics 1 (A)	102	83.3%
AP Physics 1 (B)	66	97.0%
AP Physics C - Mechanics (A)	46	93.5%
AP Physics C - Mechanics (B)	38	89.5%
Astronomy	287	87.5%
Biology (A)	130	86.9%
Biology (B)	123	88.6%
Chemistry (A)	107	77.6%
Chemistry (B)	127	68.5%
Earth Science (A)	69	73.9%
Earth Science (B)	35	77.1%
Environmental Science (A)	99	80.8%
Environmental Science (B)	31	93.5%
Human Space Exploration	56	87.5%
Oceanography (A)	240	77.5%
Oceanography (B)	47	87.2%
Physical Science (A)	27	63.0%
Physical Science (B)	14	85.7%
Physics (A)	111	86.5%
Physics (B)	84	88.1%
Science 6 (A)	<10	100.0%
Science 6 (B)	<10	75.0%
Science 7 (A)	<10	44.4%
Science 7 (B)	<10	50.0%
Science 8 (A)	12	75.0%
Science 8 (B)	12	66.7%
Science Tracks	<10	NA

Health Care Services

Course Title	Count	Pass Rate
Medical Terminology	608	88.7%

Mathematics

Course Title	Count	Pass Rate
Algebra 1	<10	NA
Algebra 1 (A)	205	76.6%
Algebra 1 (B)	219	77.2%
Algebra 2 (A)	218	73.9%
Algebra 2 (B)	267	78.7%
AP Calculus AB (A)	45	71.1%
AP Calculus AB (B)	26	96.2%
AP Calculus BC (A)	52	100.0%
AP Calculus BC (B)	51	94.1%
AP Statistics (A)	76	85.5%
AP Statistics (B)	57	91.2%
Calculus (A)	31	83.9%
Calculus (B)	26	69.2%
Geometry (A)	183	66.7%
Geometry (B)	191	80.1%
Math Tracks	<10	NA
Mathematics 6 (A)	<10	100.0%
Mathematics 6 (B)	11	90.9%
Mathematics 7 (A)	13	46.2%
Mathematics 7 (B)	<10	55.6%
Mathematics 8 (A)	13	84.6%
Mathematics 8 (B)	11	90.9%
Mathematics of Baseball	234	88.5%
Personal Finance (A)	517	89.6%
Personal Finance (B)	530	90.9%
Pre-Algebra (A)	69	73.9%
Pre-Algebra (A) - Numbers	<10	100.0%
Pre-Algebra (B)	35	94.3%
Pre-Algebra (B) - Numbers	<10	100.0%
Pre-Calculus (A)	148	89.9%
Pre-Calculus (B)	124	82.3%
Probability and Statistics (A)	149	86.6%
Probability and Statistics (B)	27	85.2%
Trigonometry	72	80.6%

Miscellaneous

Course Title	Count	Pass Rate
Career Planning	254	88.2%
Careers - Find Your Future	285	86.7%
Employability Skills	223	91.9%
Leadership Skills Development	111	80.2%
Leadership Skills Development (A)	15	66.7%
Leadership Skills Development (B)	<10	83.3%
Study Skills	459	88.5%

Physical, Health, and Safety Education

Course Title	Count	Pass Rate
Health	570	85.6%
Personal Fitness	381	87.1%

Public, Protective, and Government Services

Course Title	Count	Pass Rate
Forensic Science - Introduction	526	89.7%
Forensic Science - Advanced	83	90.4%

Religious Education And Theology

Course Title	Count	Pass Rate
World Religions	<10	100.0%

Social Sciences and History

Course Title	Count	Pass Rate
Anthropology (A)	<10	100.0%
AP Macroeconomics	115	93.0%
AP Microeconomics	123	91.9%
AP Psychology	316	85.4%
AP U.S. Government & Politics	97	83.5%
AP U.S. History (A)	45	80.0%
AP U.S. History (B)	31	83.9%
AP World History (A)	27	74.1%
AP World History (B)	31	90.3%
Archaeology	<10	100.0%
Civics	446	85.0%
Economics	403	84.1%
Native American History	122	89.3%
Psychology	480	85.2%
Sociology (A)	304	93.1%
Sociology (B)	95	100.0%
U.S. History (A)	150	74.0%
U.S. History (B)	151	82.1%
U.S. History 8 (A)	27	85.2%
U.S. History 8 (B)	24	83.3%
World Cultures 6 (A)	<10	100.0%
World Cultures 6 (B)	<10	66.7%
World Geography 7 (A)	15	80.0%
World Geography 7 (B)	17	76.5%
World History (A)	206	80.6%
World History (B)	201	81.6%

MICHIGAN
VIRTUAL
UNIVERSITY

