

A REPORT TO THE LEGISLATURE

December 1, 2016

MICHIGAN
VIRTUAL
UNIVERSITY



Prepared by Michigan Virtual University®

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This report is submitted in compliance with Section 98 (6) of Public Act 249 of 2016, 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* 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 18 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 207,500 course registrations. During the 2015-16 academic year, *MVS* had 24,448 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.

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 2016, *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.

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.

In addition to *MVS*, *MVU* makes a significant and dedicated effort to serving all educators in Michigan in blended, online, and face-to-face modalities. The professional learning services team is comprised of two formally-known programs, *Michigan LearnPort* and *MyBlend*. *MVU* has strategically hosted and developed online courses, videos, webinars, training modules, hosted conferences and regional events, and developed customized professional development solutions for districts and educational organizations. The new Professional Learning Portal (<https://plp.mivu.org/>) is the hub of all *MVU*-hosted or partnered professional development activities. Educators are able to register for both face-to-face, blended, and online events in dozens of professional development areas of need.

Expanding Educational Opportunities in Michigan

For more than 15 years, *MVU* has played three key roles to support and accelerate the growth and development of online learning in Michigan, including: 1) a *change agent* role to introduce schools to online and blended learning models; 2) a *supplemental provider* role for online courses, serving as the state's model laboratory for virtual instruction to Michigan schools; and 3) a *capacity builder* role to support school districts as they strive to implement online and blended learning programs, including innovative research. These three roles are advanced through three different units within *MVU* including, Student Learning Services (*Michigan Virtual School*), Professional Learning Services (PLS) and *Michigan Virtual Learning Research Institute (MVLRI)*.

Data published by *MVU*'s Research Institute indicate that the use of online learning in K-12 education has exploded in Michigan during the past five years. The number of students participating in at least one virtually delivered course has grown from a little more 36,000 in 2011, to more than 91,000 students in 2015. During the same time period, the total number of virtual courses Michigan students enrolled in grew from nearly 90,000 to more than 445,000 online courses.

Part of this growth is the result of a major increase in the number of Michigan schools that provide students with access to virtually delivered courses. In 2011, approximately 650 schools had at least one student take a virtual course and by 2015, more than a 1,000 Michigan schools offered virtual enrollments. The growth of online learning is somewhat encouraging; unfortunately the statewide completion rate for all virtual enrollments has gone from 66% in 2011 to approximately 60% in 2015. By comparison, the completion rate for MVS courses is consistently higher than 80%.

Increasingly, online and blended learning will serve as important instructional strategies to personalize learning for all students in the state. However, it appears that a larger percentage of low performing students are being directed to virtual learning options rather than students who enjoy academic

Figure 1
Key Roles for Michigan Virtual University



success in traditional learning environments. Instead of enabling students to go farther faster, it seems as though online courses have become a popular solution to address growing credit recovery needs for individual students. In response to this major trend, *MVU* is working with a variety of stakeholders, including school customers to bring a new online course solution to Michigan schools in mid-2017. This customized credit recovery solution will provide options for students to retake an entire course if needed, or capture learning for targeted areas based on individual student needs.

In 2017, *MVU* will help power a countywide virtual learning program by unbundling its online services, including, teacher training in online instruction, online content, help desk support, learning management systems (LMS) and consulting services. *MVU* is working to help local and intermediate school districts implement locally developed online and blended learning programs. *MVU* believes that Michigan's K-12 education system will need to leverage the power and potential of technology to differentiate instruction, achieve new efficiencies and make learning more relevant for today's students.

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. The need for continued leadership, research and capacity building support is essential for the K-12 system, and *MVU* is uniquely positioned to facilitate system-level changes.

Scope of the Report

The information provided in this report addresses the requirements that are listed in Section 98 (6) of P.A. 249 of 2016. These items include, for the period October 1, 2015 - September 30, 2016, 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, 2015 - September 30, 2016, *MVS* served students enrolled in 388 different Michigan districts (495 entities within those districts). This included 308 Michigan local education agency districts (LEA Districts), 33 public school academy districts (PSA Districts), six intermediate school districts (ISD Districts), and 41 nonpublic schools. According to data available through the Center for Educational Performance and Information website (<http://www.cepi.state.mi.us/eem/EntitySearchQuick.aspx>), there were 549 open-active LEA Districts, 300 PSA Districts, 56 ISD Districts, and 643 nonpublic schools in October 2016. Using these counts as estimates for the 2015-16 school year, *MVS* served approximately 56% of LEA Districts, 11% of PSA Districts, 11% of ISD Districts, and 6% of nonpublic schools. A complete list of the Michigan districts served during 2015-16 is included in Exhibit 1.

These Michigan districts accounted for 22,646 *MVS* course enrollments over the past year. School enrollments in *MVS* courses over the past year ranged from a single student enrollment to 844 student enrollments. The average number of enrollments per Michigan school using *MVS* during 2015-16 was 46. In addition, *MVS* had 1,622 student registrations from 1,051 Michigan home schools during 2015-16.

Figure 2
Michigan Enrollments in the Michigan Virtual School by City and Zip Code during the 2015-16 School Year

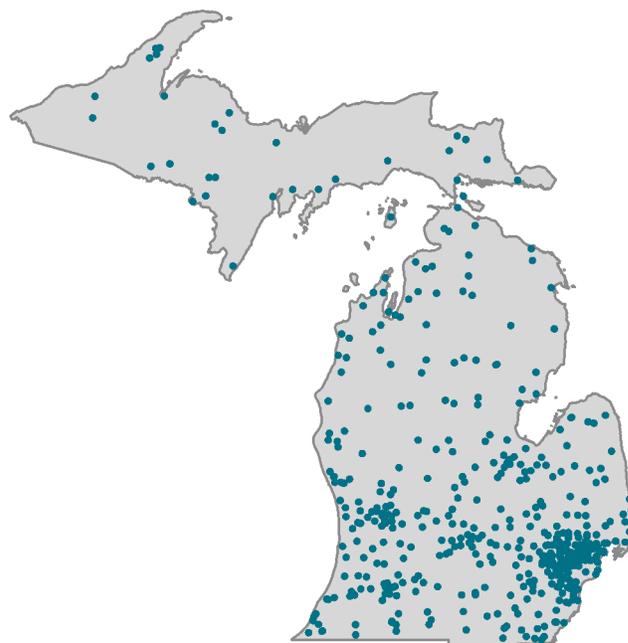


Figure 2 provides a geographic representation of where *MVS* enrollments came from for the public, nonpublic, and home schools that enrolled students during the 2015-16 school year. During this period, schools and families in 78 of the state's 83 counties were supported with *MVS* online courses and programs.

In addition to serving Michigan schools and students, *MVS* had 98 enrollments from 10 schools outside of Michigan and 82 enrollments from 47 home schools outside of Michigan.

In total, the 24,448 enrollment with *MVS* came from 14,555 students. This was an average of 1.7 enrollments per student. Fifty-three percent of students took only one course during 2015-16.

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, 2015 - September 30, 2016. 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 225 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 (81%) were offered at the high school level, though 42 online courses were available for middle school students during 2015-16.

MVS Online Course Completion and Pass Rates

Earlier this year, MVU, through the *Michigan Virtual Learning Research Institute*, published the third annual *Michigan's K-12 Virtual Learning Effectiveness Report* (available from http://media.mivu.org/institute/pdf/er_2015.pdf). This publication used data reported to the state by Michigan public schools to examine all K-12 virtual enrollments in Michigan for the 2014-15 school year.

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 2015-16 school year, schools had to select from among 11 different completion statuses for an enrollment. (See page 483 of the *Michigan Student Data System (MSDS) Collection Details Manual Version 1.2*. Available from http://www.michigan.gov/documents/cepi/Collection_Details_SY1516_v1.0_486132_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 469 of the *Michigan Student Data System (MSDS) Collection Details Manual Version 1.2*. Available from http://www.michigan.gov/documents/cepi/Collection_Details_SY1516_v1.0_486132_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 3
2015-16 MVS Withdrawn, Failed, and Pass Rates by NCES Subject Area

NCES Subject Area	Attempted Count	Withdrawn	Completed/Failed	MVS Pass Rate	MI 14-15 Pass Rate
Agricultural, Food, and Natural Resources	97	0.0%	9.3%	90.7%	56%
Business and Marketing	1,037	0.8%	11.0%	88.2%	67%
Communications and Audio/Visual Technology	105	2.9%	13.3%	83.8%	68%
Computer and Information Sciences	1,068	1.6%	14.6%	83.8%	64%
Engineering and Technology	97	0.0%	7.2%	92.8%	63%
English Language and Literature	1,741	1.8%	15.7%	82.5%	57%
Fine and Performing Arts	978	0.8%	14.5%	84.7%	62%
Foreign Language and Literature	5,671	1.3%	16.1%	82.6%	66%
Health Care Sciences	607	0.8%	14.7%	84.5%	81%
Life and Physical Sciences	2,457	1.6%	14.9%	83.6%	58%
Mathematics	3,385	1.7%	14.3%	84.0%	54%
Miscellaneous	1,469	1.4%	11.5%	87.1%	64%
Physical, Health, and Safety Education	900	1.3%	11.7%	87.0%	63%
Public, Protective, and Government Services	477	0.8%	10.3%	88.9%	72%
Religious Education and Theology	76	0.0%	7.9%	92.1%	84%
Social Sciences and History	4,134	1.0%	11.0%	88.0%	88%
Total	24,299	1.3%	13.8%	84.9%	60%

Notes: Percentages may not sum to 100% due to rounding. MI 14-15 Pass Rate is based on the 2014-15 *Effectiveness Report* (p. 21). That rate may be negligibly higher if “Audited” enrollments were removed from calculations.

With those understandings, *MVS* had a total of 24,448 enrollments in the 2015-16 school year. Of those, 149 enrollments were in courses where credit or a grade were not attempted. Of the 24,299 credit- or grade-attempted enrollments, 23,973 enrollments were from students who finished or remained in the course through the last day of the academic term for a completion rate of 98.7%. In terms of course success, 20,625 of the 24,299 enrollments earned 60% or more of the total course points for an overall pass rate of 84.9%. Figure 3 shows how the *MVS* pass rate varied by subject area. A full list of the 2015-16 *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 21 of the *Effectiveness Report* (p. 18), 66,503 K-12 virtual enrollments fell into one of the three withdrawn categories, 77,062 had completion statuses of “Completed/Failed,” and 265,446 had “Completed/

Passed” status. That means of the 409,011 enrollments with completion statuses similar to *MVS*, 16.3% had a “withdrawn” status, 18.8% had a “Completed/Failed” status and 64.9% had a “Completed/Passed” status. For the purpose of this comparison, 11,453 “Audited,” 23,848 “Incomplete,” 46 “Testing Out,” and 1,574 “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 23,848 incomplete enrollments excluded from the above calculation eventually turned into “Completed/Passed,” the statewide average would only rise to 66.8% — more than 18 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 4 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 4 makes apparent, student performance in *MVS* courses is considerably different among these five reasons. Students who enroll in *MVS* courses because the course was unavailable locally or to resolve a scheduling conflict had pass rates in 2015-16 of 87.1% and 88.7%, respectively. Conversely, students using *MVS* courses for credit recovery purposes were less likely to pass, yielding only a 62.5% 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 82.6% 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 71% 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 95%. 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 5 charts how districts’ *MVS* pass rates differed. Of the 384 Michigan districts that had pass rate data with *MVS* in 2015-16 (four districts only had audited enrollments), 176 of them (46%) had overall *MVS* pass rates of 90% or greater. Another 90 districts (23%) achieved *MVS* pass rates of 80% to less than 90%. Clearly, many Michigan districts experience high levels of success with *MVS* courses.

Implementation Resources

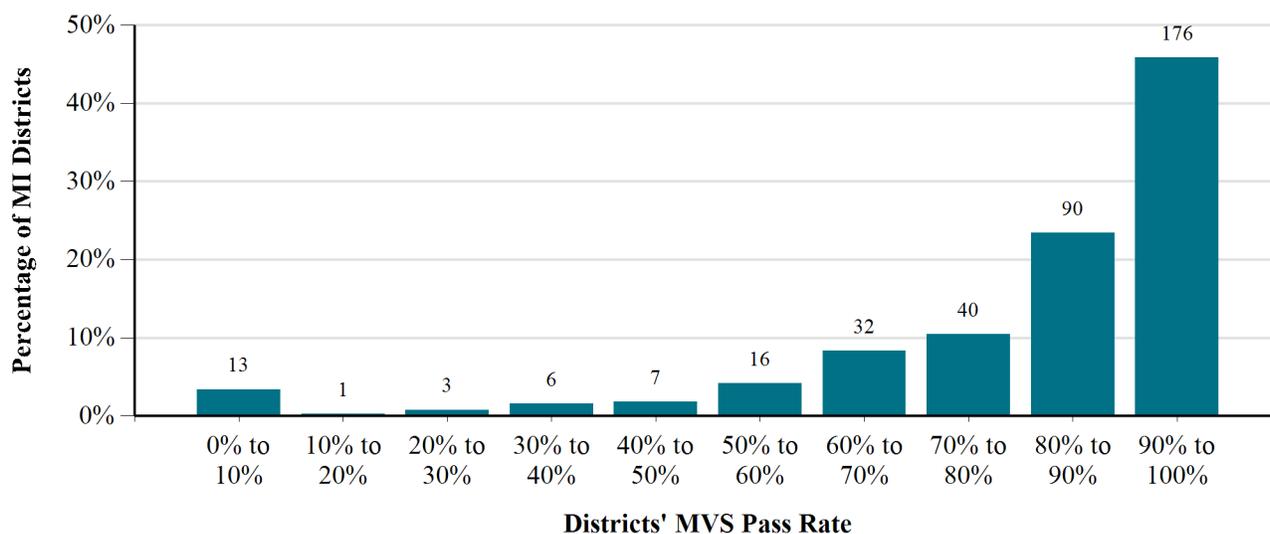
These data and the data in the *Effectiveness Report* clearly suggest many schools need help in implementing successful online learning programs

Figure 4
2015-16 *MVS* Pass Rates by NCES Subject Area and Enrollment Reason

NCES Subject Area	Course Unavailable Locally	Scheduling Conflict	Learner Preference	Credit Recovery	Other
Agriculture, Food, and Natural Resources	89.2%	100.0%	91.7%	-	93.8%
Business and Marketing	89.2%	78.4%	90.9%	60.0%	85.7%
Communications and Audio/Visual Technology	93.0%	100.0%	76.5%	<10.0%	71.4%
Computer and Information Sciences	85.9%	79.3%	75.6%	80.0%	86.8%
Engineering and Technology	95.8%	100.0%	73.3%	-	100.0%
English Language and Literature	92.8%	89.4%	83.0%	55.2%	78.6%
Fine and Performing Arts	87.1%	84.6%	81.7%	<10.0%	83.1%
Foreign Language and Literature	83.1%	83.8%	84.0%	65.1%	80.0%
Health Care Sciences	85.2%	86.4%	77.5%	50.0%	89.3%
Life and Physical Sciences	88.5%	87.7%	78.2%	63.5%	79.9%
Mathematics	88.1%	90.6%	82.0%	68.7%	81.5%
Miscellaneous	88.4%	88.0%	85.1%	85.0%	84.9%
Physical, Health, and Safety Education	85.9%	92.6%	84.0%	55.6%	87.4%
Public, Protective, and Government Service	90.9%	82.6%	81.1%	66.7%	91.2%
Religious Education and Theology	92.9%	100.0%	100.0%	50.0%	87.5%
Social Sciences and History	91.7%	91.0%	85.3%	58.4%	86.7%
Total	87.1%	88.7%	82.9%	62.5%	83.0%

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

Figure 5
2015-16 Districts' MVS Pass Rate Distribution by Pass Rate Bins



for their students. Toward this end, *MVU* has focused on developing practical resources to support school administrators, counselors, teachers, and parents which are updated every year.

Section 21f Tool Kit. Section 21f of the State School Aid Act allows students in grades K-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 a link to 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>.

Student Guide. New in Fall 2016, the *Student Guide to Online Learning* is a 10-page publication prepared for middle and high school students who are interested in taking virtual courses. Most of the content comes from teachers, mentors, and students who have

personal experience with online learning and includes sections focused on what students like about taking online courses, what they need to think about before enrolling, how to decide what course is right for them, and how to prepare for taking a virtual course. Parents, guardians, counselors, and others who want more resources to support their students may also find this guide helpful in beginning informed conversations. The *Student Guide* is available for free at <https://micourses.org/resources/pdf/toolkit/studentguide.pdf>.

Mentor Resources. Like the *Parent Guide*, *MVU's Mentor Fundamentals: A Guide for Mentoring Online Learners* 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 many mentors receive has been lacking. *Mentor Fundamentals* is freely available at <https://micourses.org/resources/pdf/toolkit/mentorguide.pdf>.

MVU also produced an online mentor orientation and training module, *Mentoring Basics*, that combines research with best practices derived from the mentor interviews. *Mentoring Basics* is available at <http://olot.mivu.org/mentor/articulate/presentation.html>.

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 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 – supporting their efforts. OLOT is freely available at <http://olot.mivu.org/>.

Conclusion

Online learning in Michigan continues to grow rapidly as evidenced by more than 445,000 virtual enrollments in 2014-15. In contrast to the 60% pass rate found statewide during that time period, 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. 2015-16 Michigan Districts Served

Achieve Charter Academy
Addison Community Schools
AGBU Alex-Marie Manoogian School
Airport Community School Dist.
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
Anchor Bay School District
Ann Arbor Public Schools
Arbor Preparatory High School
Arenac Eastern School District
Austin Catholic Academy
Bad Axe Public Schools
Baldwin Community Schools
Bath Community Schools
Bay City School District
Beal City Public Schools
Bear Lake School District
Beaver Island Community School
Beaverton Rural Schools
Bedford Public Schools
Belding Area School District
Bellaire Public Schools
Benzie County Central Schools
Berrien Springs Public Schools
Big Bay De Noc School District
Birch Run Area School District
Birmingham City School District
Black River Public School
Blissfield Community Schools
Bloomfield Hills School District
Bloomington Public School Dist.
Boyne City Public Schools
Brandon School District
Breckenridge Community Schools
Breitung Township Schools
Bridgman Public Schools
Brighton Area Schools
Brimley Area Schools
Brown City Community Schools
Buchanan 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 Christian School

Calvary Baptist Academy
Calvin Christian High School
Canton Charter Academy
Canton Preparatory High School
Cardinal Mooney Catholic School
Caseville Public Schools
Cass City Public Schools
Cassopolis Public Schools
Cedar Springs Public Schools
Central Academy
Charlevoix Montessori Academy for the Arts
Charlevoix Public Schools
Charlotte Public Schools
Charlton Heston Academy
Charyl Stockwell Academy
Cheboygan Area Schools
Chesaning Union Schools
Chippewa Hills School District
Chippewa Valley Schools
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Clarkston Community School District
Clinton Community Schools
Clintondale Community Schools
Coldwater Community Schools
Coloma Community Schools
Comstock Public Schools
Concord Academy Boyne
Concord Community Schools
Constantine Public School District
Coopersville Area Public School District
Dansville Schools
Dearborn City School District
Decatur Public Schools
Deckerville Community School District
DeLaSalle Collegiate High School

SUPPLEMENTAL INFORMATION

Exhibit 1:
2015-16 Michigan Districts Served

Exhibit 2:
2015-16 Online Course Titles Offered by MVS to Michigan Schools

Exhibit 3:
2015-16 MVS Summary of Courses, Enrollments, and Pass Rates

Delton-Kellogg School District
DeTour Area Schools
DeTour Arts and Technology Academy
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
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
Elkton-Pigeon-Bay Port Laker Schools
Engadine Consolidated Schools
Escanaba Area Public Schools
Eton Academy
Ewart Public Schools
Ewen-Trout Creek Consolidated School District
Excel Charter Academy
Fairview Area School District
Farber Hebrew Day School
Farmington Public School District
Fennville Public Schools
Ferndale Public Schools
Forest Hills Public Schools
Forest Park School District
Fowler Public Schools
Fowlerville Community Schools
Fr. Gabriel Richard High School
Frankel Jewish Academy
Frankenmuth School District

Frankfort-Elberta Area Schools	Huron Valley Lutheran High School	Lumen Christi High School
Franklin Road Christian School	Huron Valley Schools	Lutheran High School South
Freeland Community School District	Ida Public School District	Mackinac Island Public Schools
Fremont Public School District	Imlay City Community Schools	Mackinaw City Public Schools
Fruitport Community Schools	Ingham ISD	Madison Public Schools (Oakland)
Fulton Schools	Interlochen Arts Academy	Manchester Community Schools
Gabriel Richard Catholic High School	Ionia Public Schools	Manistee Area Schools
Galesburg-Augusta Community Schools	Iron Mountain Public Schools	Manistee Catholic Central Schools
Gaylord Community Schools	Ishpeming Public School District	Manistique Area Schools
Gibraltar School District	Island City Academy	Marian High School
Gladwin Community Schools	Ithaca Public Schools	Marlette Community Schools
Glen Lake Community Schools	Jackson Public Schools	Marquette Area Public Schools
Gobles Public School District	Jefferson Schools (Monroe)	Marshall Public Schools
Godwin Heights Public Schools	Jenison Public Schools	Martin Luther High School
Grand Blanc Community Schools	Johannesburg-Lewiston Area Schools	Mason Public Schools (Ingham)
Grand Haven Area Public Schools	Joseph K. Lumsden Bahweting Anishnabe Academy	Mattawan Consolidated School
Grand Ledge Public Schools	Kalamazoo Christian High School	Mayville Community School Dist.
Grand Rapids Christian High School	Kalamazoo Public School District	Mendon Community School Dist.
Grand Rapids Ellington Academy	Kalkaska Public Schools	Menominee Area Public Schools
Grand Rapids Public Schools	Kearsley Community Schools	Michigan Center School District
Grandville Public Schools	Kelloggsville Public Schools	Michigan Islamic Academy
Grass Lake Community Schools	Kenowa Hills Public Schools	Michigan Virtual Charter Academy
Greenville Public Schools	Kensington Woods High School	Midland Academy of Advanced and Creative Studies
Grosse Ile Township Schools	Kent City Community Schools	Midland Public Schools
Grosse Pointe Public Schools	Kentwood Public Schools	Milan Area Schools
Gull Lake Community Schools	Keystone Academy	Millington Community Schools
Hamilton Community Schools	Kingston Community School District	Monroe Public Schools
Hancock Public Schools	Ladywood High School-Detroit	Montabella Community Schools
Harbor Beach Community Schools	Lake City Area School District	Muskegon Catholic Central High School
Harper Creek Community Schools	Lake Linden-Hubbell School District	Negaunee Public Schools
Harrison Community Schools	Lake Orion Community Schools	New Life Christian Academy
Hart Public School District	Lakeshore School District (Berrien)	Niles Community School District
Hartford Public School District	Lakeview Public Schools (Macomb)	North Branch Area Schools
Hartland Consolidated Schools	Lakeview Sch. District (Calhoun)	North Dickinson County Schools
Haslett Public Schools	Lakewood Public Schools	North Muskegon Public Schools
Hastings Area School District	L'Anse Area Schools	Northport Public School District
Hemlock Public School District	L'Anse Creuse Public Schools	Northview Public School District
Hesperia Community Schools	Lansing Catholic Central High School	Northville Public Schools
Hillsdale Community Schools	Lansing Christian School	Norway-Vulcan Area Schools
Holland Christian High School	Lawrence Public School District	Notre Dame Preparatory School
Holland City School District	Lawton Community School Dist.	Novi Community School District
Holly Area School District	Leland Public School District	Oakland FlexTech Academy
Holt Public Schools	Lenawee Christian School	Oakridge Public Schools
Honey Creek Community School	Lenawee ISD	Ojibwe Charter School
Hopkins Public Schools	Leslie Public Schools	Okemos Public Schools
Houghton Lake Community Schools	Life Tech Academy	Olivet Community Schools
Houghton-Portage Township Schools	Litchfield Community Schools	Onkama Consolidated Schools
Howell Public Schools	Livonia Public Schools	Onsted Community Schools
Hudson Area Schools	Ludington Area School District	Ontonagon Area Schools
Huron School District		Orchard View Schools
		Otsego Public Schools
		Ovid-Elsie Area Schools

Oxford Community Schools
Pansophia Academy
Paramount Charter Academy
Paw Paw Public School District
Peck Community School District
Pellston Public Schools
Pennfield Schools
Perry Public School District
Pewamo-Westphalia Community
Schools
Pickford Public Schools
Pinckney Community Schools
Plainwell Community Schools
Plymouth Christian Academy
Plymouth-Canton Community
Schools
Port Huron Area School District
Portage Public Schools
Portland Public School District
Pottersville Public Schools
Prevail Academy
Quincy Community School Dist.
Rapid River Public Schools
Reed City Area Public Schools
Reeths-Puffer Schools
Regina High School
Richmond Community Schools
River Valley School District
Riverside Academy
Riverview Community School
District
Rochester Community School
District
Rockford Public Schools
Rogers City Area Schools
Romeo Community Schools
Roscommon Area Public Schools
Rudyard Area Schools
Sacred Heart Academy
Saginaw City School District
Saginaw Township Community
Schools
Saline Area Schools
Sand Creek Community Schools
Sandusky Community School
District
Saranac Community Schools
Saugatuck Public Schools
Sault Ste. Marie Area Schools
School District of the City of
Royal Oak
Schoolcraft Community Schools
Shelby Public Schools
Shepherd Public School District
Shiawassee Regional ESD
Shrine High School
South Christian High School

South Haven Public Schools
South Lyon Community Schools
South Redford Virtual Shared
Time Program
Southfield Public School District
Southgate Community School
District
Sparta Area Schools
Spring Lake Public Schools
St. Catherine of Siena Academy
St. Charles Community Schools
St. Clair County RESA
St. Ignace Area Schools
St. Joseph County ISD
St. Joseph Public Schools
St. Thomas School
Standish-Sterling Community
Schools
Stockbridge Community Schools
Sturgis Public Schools
Summerfield School District
Superior Central Schools
Suttons Bay Public Schools
Swan Valley School District
Swartz Creek Community Schools
Taylor Preparatory High School
Tecumseh Public Schools
Thornapple Kellogg School Dist.
Three Rivers Community Schools
Traverse City Area Public Schools
Trenton Public Schools
Tri County Area Schools
Troy School District
Ubly Community Schools
Union City Community Schools
Unionville-Sebewaing Area S.D.
Unity Christian High School
Utica Community Schools
Vanderbilt Area Schools
Vandercook Lake Public Schools
Vassar Public Schools
Vicksburg Community Schools
Walkerville Public Schools
Walled Lake Consolidated
Schools
Warren Woods Public Schools
Washtenaw Christian Academy
Washtenaw ISD
Watervliet School District
Waverly Community Schools
Wayne-Westland Community
School District
Webberville Community Schools
Wellspring Preparatory High
School
West Branch-Rose City Area
Schools

West Iron County Public Schools
West Michigan Aviation Academy
West Ottawa Public School Dist.
Westwood Community Schools
Whiteford Agricultural Schools
Whitehall District Schools
Whitmore Lake Public Schools
Whittemore-Prescott Area
Schools
Williamston Community Schools
Wolverine Community Schools
Yale Public Schools
Zeeland Public Schools

Exhibit 2. 2015-16 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
Entrepreneurship
Hospitality and Tourism
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
Social Media
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 (6-8)

English Language and Literature (Cont.)

Reading
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) (6-8)
French 2 (B) (6-8)
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) (6-8)
German 2 (B) (6-8)
German 2 (A)
German 2 (B)
German 3 (A)
German 3 (B)

Foreign Language and Literature (Cont.)

German 4 (A)
German 4 (B)
Japanese 1 (A)
Japanese 1 (B)
Japanese 2 (A)
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)
Great Minds in Science
Human Space Exploration
Oceanography (A)

Life and Physical Sciences (Cont.)

Oceanography (B)
Physical Science (A)
Physical Science (B)
Physics
Physics (A)
Physics (B)
Science 6 (A)
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-Calculus (A)
Pre-Calculus (B)
Probability and Statistics (A)
Probability and Statistics (B)
Trigonometry

Miscellaneous

Career Planning
Careers - Find Your Future
Employability Skills

Miscellaneous (Cont.)

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
Criminology
Economics
History of the Holocaust
Native American History
Philosophy
Psychology
Sociology (A)
Sociology (B)
U.S. History & Geography (A)
U.S. History & Geography (B)
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 & Geography (A)
World History & Geography (B)
World History (B)

Exhibit 3. 2015-16 MVS Summary of Courses, Enrollments, and Pass Rates

Agriculture, Food, and Natural Resources

Course Title	Count	Pass Rate
Veterinary Science	97	90.7%

Business and Marketing

Course Title	Count	Pass Rate
Accounting (A)	188	89.4%
Accounting (B)	76	90.8%
Business Ethics	314	91.4%
Entrepreneurship	235	80.9%
Hospitality and Tourism	75	92.0%
Sports and Entertainment	149	88.6%

Communications and Audio/Visual Technology

Course Title	Count	Pass Rate
Journalism	105	83.8%

Computer and Information Sciences

Course Title	Count	Pass Rate
AP Computer Science A (A)	115	88.7%
AP Computer Science A (B)	93	90.3%
Game Design	211	74.4%
Java Programming	177	84.2%
Microsoft Office 2013	49	73.5%
Social Media	118	94.9%
Visual Basic.Net Programming	173	79.8%
Web Design Basics HTML	132	88.6%

Engineering and Technology

Course Title	Count	Pass Rate
Bioethics	97	92.8%

English Language and Literature

Course Title	Count	Pass Rate
AP English Lang. & Comp. (A)	53	94.3%
AP English Lang. & Comp. (B)	52	94.2%
AP English Lit. & Comp. (A)	60	88.3%
AP English Lit. & Comp. (B)	45	93.3%
Composition - Advanced	27	85.2%
Composition - Beginning	108	86.1%
English 6 (A)	<10	66.7%
English 6 (B)	<10	75.0%
English 7 (A)	10	90.0%
English 7 (B)	11	72.7%
English 8 (A)	30	70.0%
English 8 (B)	25	80.0%

English Language and Literature (Cont.)

Course Title	Count	Pass Rate
English 9 (A)	84	73.8%
English 9 (B)	103	68.0%
English 10 (A)	112	65.2%
English 10 (B)	104	75.0%
English 11 (A)	171	76.0%
English 11 (B)	148	80.4%
English 12 (A)	197	87.3%
English 12 (B)	189	91.5%
Mythology and Folklore	101	94.1%
Reading (6-8)	<10	83.3%
Reading	44	81.8%
World Literature	54	92.6%

Fine and Performing Arts

Course Title	Count	Pass Rate
American Film Survey	287	80.8%
AP Art History (A)	23	87.0%
AP Art History (B)	<10	100.0%
Art Appreciation	136	80.1%
Digital Photography	193	93.3%
Directors of the Golden Age	75	85.3%
In Search of Cyrano	<10	66.7%
Music Appreciation	252	84.1%

Foreign Language and Literature

Course Title	Count	Pass Rate
American Sign Language 1 (A)	916	77.6%
American Sign Language 1 (B)	552	94.6%
American Sign Language 2 (A)	226	94.2%
American Sign Language 2 (B)	190	93.2%
AP French (A)	<10	85.7%
AP French (B)	<10	100.0%
AP Spanish (A)	21	76.2%
AP Spanish (B)	13	76.9%
Chinese 1 (A)	62	74.2%
Chinese 1 (B)	43	95.3%
Chinese 2 (A)	47	80.9%
Chinese 2 (B)	35	91.4%
Chinese 3 (A)	44	77.3%
Chinese 3 (B)	30	90.0%
Chinese 4 (A)	21	71.4%
Chinese 4 (B)	10	100.0%
French 1 (A) (6-8)	14	64.3%
French 1 (B) (6-8)	<10	100.0%

Foreign Language and Literature (Cont.)

Course Title	Count	Pass Rate
French 1 (A)	200	82.0%
French 1 (B)	142	83.1%
French 2 (A) (6-8)	<10	71.4%
French 2 (B) (6-8)	<10	100.0%
French 2 (A)	104	86.5%
French 2 (B)	105	86.7%
French 3 (A)	43	69.8%
French 3 (B)	28	71.4%
French 4 (A)	37	89.2%
French 4 (B)	25	92.0%
German 1 (A) (6-8)	<10	100.0%
German 1 (B) (6-8)	<10	100.0%
German 1 (A)	285	74.0%
German 1 (B)	188	84.6%
German 2 (A) (6-8)	<10	100.0%
German 2 (B) (6-8)	<10	100.0%
German 2 (A)	98	89.8%
German 2 (B)	83	80.7%
German 3 (A)	26	73.1%
German 3 (B)	14	85.7%
German 4 (A)	<10	77.8%
German 4 (B)	10	100.0%
Japanese 1 (A)	243	75.3%
Japanese 1 (B)	148	80.4%
Japanese 2 (A)	50	90.0%
Japanese 2 (B)	42	85.7%
Latin 1 (A)	147	84.4%
Latin 1 (B)	104	92.3%
Latin 2 (A)	57	86.0%
Latin 2 (B)	49	95.9%
Latin 3 (A)	11	100.0%
Latin 3 (B)	<10	100.0%
Spanish 1 (A) (6-8)	34	64.7%
Spanish 1 (B) (6-8)	<10	80.0%
Spanish 1 (A)	252	55.2%
Spanish 1 (B)	171	80.1%
Spanish 2 (A) (6-8)	<10	100.0%
Spanish 2 (B) (6-8)	<10	100.0%
Spanish 2 (A)	221	79.6%
Spanish 2 (B)	148	83.1%
Spanish 3 (A)	105	88.6%
Spanish 3 (B)	78	91.0%
Spanish 4 (A)	74	85.1%
Spanish 4 (B)	57	91.2%

Health Care Services

Course Title	Count	Pass Rate
Medical Terminology	607	84.5%

Life and Physical Sciences

Course Title	Count	Pass Rate
Anatomy & Physiology (A)	241	82.6%
Anatomy & Physiology (B)	99	97.0%
AP Biology (A)	52	96.2%
AP Biology (B)	42	90.5%
AP Chemistry (A)	27	88.9%
AP Chemistry (B)	21	66.7%
AP Environmental Science (A)	43	90.7%
AP Environmental Science (B)	35	100.0%
AP Physics 1 (A)	58	87.9%
AP Physics 1 (B)	46	97.8%
AP Physics C - Mechanics (A)	59	93.2%
AP Physics C - Mechanics (B)	50	96.0%
Astronomy	315	86.3%
Biology (A)	126	75.4%
Biology (B)	112	76.8%
Chemistry (A)	101	70.3%
Chemistry (B)	110	59.1%
Earth Science (A)	61	77.0%
Earth Science (B)	23	82.6%
Environmental Science (A)	81	86.4%
Environmental Science (B)	34	100.0%
Great Minds in Science	11	90.9%
Human Space Exploration	80	88.8%
Oceanography (A)	217	80.6%
Oceanography (B)	55	90.9%
Physical Science (A)	32	68.8%
Physical Science (B)	24	79.2%
Physics	<10	NA
Physics (A)	139	84.9%
Physics (B)	106	86.8%
Science 6 (A)	<10	100.0%
Science 6 (B)	<10	100.0%
Science 7 (A)	<10	80.0%
Science 7 (B)	<10	80.0%
Science 8 (A)	17	70.6%
Science 8 (B)	19	63.2%
Science Tracks	<10	NA

Mathematics

Course Title	Count	Pass Rate
Algebra 1	<10	NA
Algebra 1 (A)	190	76.8%
Algebra 1 (B)	181	75.1%
Algebra 2 (A)	225	76.4%
Algebra 2 (B)	245	79.6%
AP Calculus AB (A)	46	100.0%
AP Calculus AB (B)	41	87.8%
AP Calculus BC (A)	59	98.3%
AP Calculus BC (B)	54	98.1%
AP Statistics (A)	80	92.5%
AP Statistics (B)	61	93.4%
Calculus (A)	53	81.1%
Calculus (B)	25	88.0%
Geometry (A)	185	74.1%
Geometry (B)	164	78.0%
Math Tracks	<10	NA
Mathematics 6 (A)	<10	87.5%
Mathematics 6 (B)	<10	100.0%
Mathematics 7 (A)	<10	50.0%
Mathematics 7 (B)	<10	57.1%
Mathematics 8 (A)	18	61.1%
Mathematics 8 (B)	15	66.7%
Mathematics of Baseball	222	80.2%
Personal Finance (A)	429	89.3%
Personal Finance (B)	475	91.4%
Pre-Algebra (A)	38	63.2%
Pre-Algebra (A) - Numbers	<10	100.0%
Pre-Algebra (B)	28	75.0%
Pre-Calculus (A)	158	89.9%
Pre-Calculus (B)	149	92.6%
Probability and Statistics (A)	126	81.7%
Probability and Statistics (B)	24	87.5%
Trigonometry	66	80.3%

Miscellaneous

Course Title	Count	Pass Rate
Career Planning	279	85.7%
Careers - Find Your Future	316	83.2%
Employability Skills	233	92.3%
Leadership Skills Development	63	90.5%
Leadership Skills Development (A)	<10	42.9%
Leadership Skills Development (B)	<10	50.0%
Study Skills	569	88.0%

Physical, Health, and Safety Education

Course Title	Count	Pass Rate
Health	524	88.5%
Personal Fitness	376	84.8%

Public, Protective, and Government Services

Course Title	Count	Pass Rate
Forensic Science - Introduction	394	88.8%
Forensic Science - Advanced	83	89.2%

Religious Education And Theology

Course Title	Count	Pass Rate
World Religions	76	92.1%

Social Sciences and History

Course Title	Count	Pass Rate
Anthropology (A)	89	94.4%
AP Macroeconomics	135	92.6%
AP Microeconomics	119	95.8%
AP Psychology	312	91.3%
AP U.S. Government & Politics	97	87.6%
AP U.S. History (A)	58	82.8%
AP U.S. History (B)	42	92.9%
AP World History (A)	41	92.7%
AP World History (B)	34	94.1%
Archaeology	31	87.1%
Civics	504	88.7%
Criminology	253	93.3%
Economics	578	91.2%
History of the Holocaust	30	80.0%
Native American History	71	76.1%
Philosophy	86	91.9%
Psychology	384	83.1%
Sociology (A)	315	92.7%
Sociology (B)	81	98.8%
U.S. History & Geography (A)	171	69.6%
U.S. History & Geography (B)	169	78.7%
U.S. History (B)	<10	66.7%
U.S. History 8 (A)	36	80.6%
U.S. History 8 (B)	36	77.8%
World Cultures 6 (A)	<10	88.9%
World Cultures 6 (B)	10	100.0%
World Geography 7 (A)	14	85.7%
World Geography 7 (B)	13	84.6%
World History & Geography (A)	194	78.4%

Social Sciences and History (Cont.)

Course Title	Count	Pass Rate
World History & Geography (B)	188	91.0%
World History (B)	25	92.0%

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V I R T U A L
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