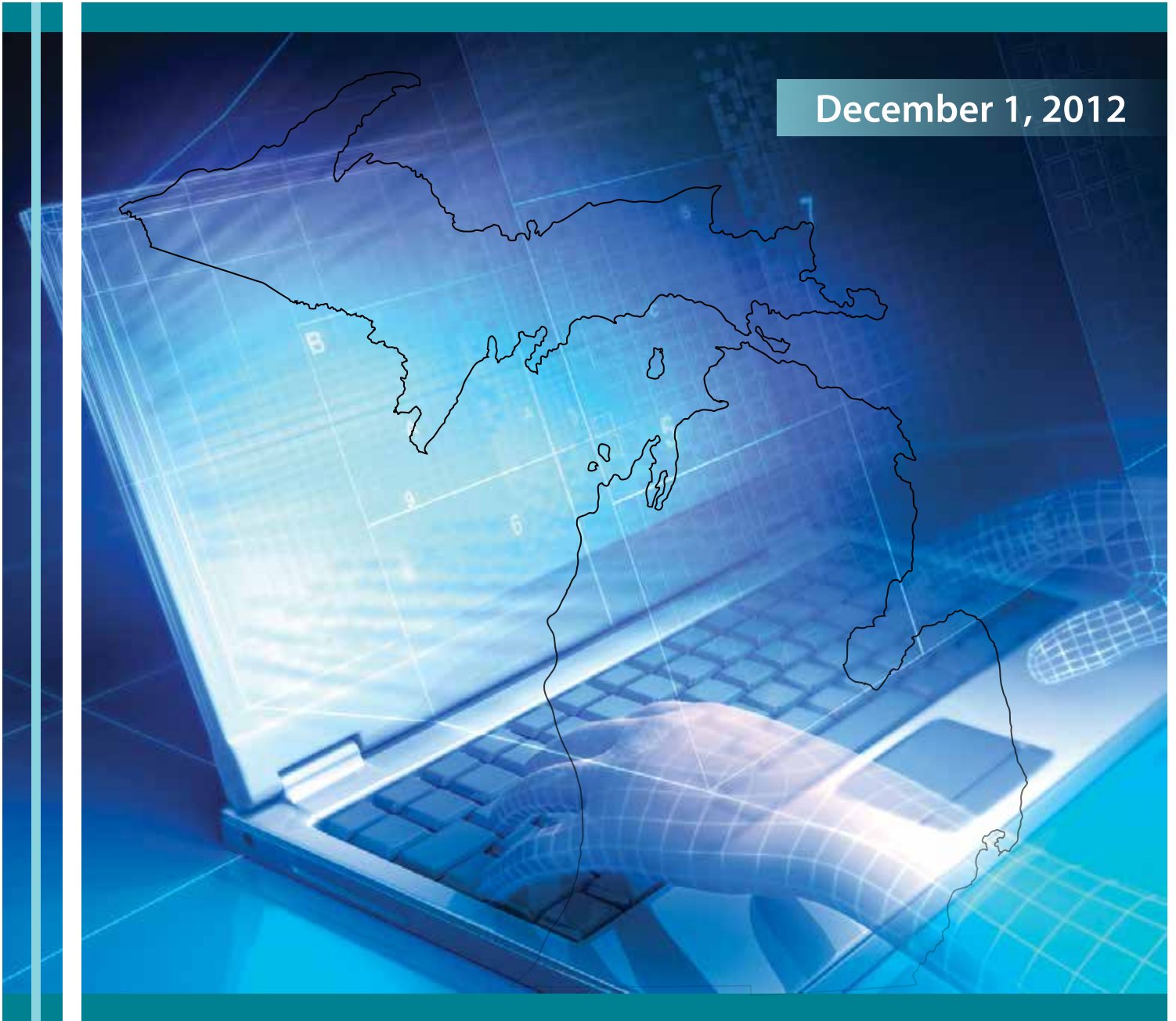


December 1, 2012



A REPORT TO THE **LEGISLATURE**

Prepared by Michigan Virtual University

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A REPORT TO THE LEGISLATURE

Prepared by Michigan Virtual University

December 1, 2012

This report is submitted in compliance with Section 98 (8) of Public Act 62 of 2011, 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, specific information related to the *Michigan Virtual School*® (*MVS*®) for the preceding state fiscal year.

Background

The *Michigan Virtual School* and *Michigan LearnPort* 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 14 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. The *MVS* was created by Public Act 230 of 2000 to serve both traditional and nontraditional students and since its inception has recorded over 117,000 course registrations.

During the 2011-12 academic year, the *MVS* had 18,756 course registrations. The *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 more than 1,680 online courses, videos, podcasts 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 27,000 middle and high school students during 2011-12.

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

In 2011, the *MVS* was awarded a five-year accreditation renewal by AdvancED®. This comprehensive evaluation process recognizes the *MVS*'s commitment to providing high quality online instructional services. As part of this continued quality improvement process, the *MVS* submitted an annual update for the 2011-12 academic year to AdvancED documenting its improvement efforts.

The *MVS* continues to be recognized as one of the leading and largest virtual schools in the U.S., and it 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

Since beginning its work in 1998, *MVU* has played three key roles to support and accelerate the growth and development of online learning in Michigan's K-12 schools. Figure 1 highlights these distinct, but complementary efforts.

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 students, parents and educators. The organization has also supported the introduction of online courses in hundreds of local schools across the state.

As school leaders developed an appreciation for the value and potential of online instruction, *MVU* 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 for all Michigan K-12 education personnel in partnership with the Michigan Department of Education (MDE). As course enrollments expand *MVU* continues to offer new and effective online services for K-12 schools and educators.

A third role for *MVU* has evolved as schools adopt locally-developed online learning programs, including blended models using classroom-based and online resources. For *MVU*, this capacity building role includes helping schools with teacher training, acquiring online content, online assessments, quality assurance, evaluation, and infrastructure and technical support services. *MVU's* statewide outreach activities are designed to help determine how the organization can best assist and support local implementation efforts.

As an example of this support and guidance, *MVU* published a *Planning Guide for Online and Blended*

Figure 1
Key Roles for Michigan Virtual University



Learning during the 2011-12 academic year. This planning guide includes an overview of online and blended learning, offers a series of guiding questions to support local planning efforts, identifies standards for teaching in online and blended environments and provides a set of student and district planning tools.

In June 2012, Public Act 201 was signed into law. This legislation directed *MVU* to establish the *Center for Online Learning Research and Innovation*. Focused on policy, research and innovation, the *Center* will support and accelerate innovation in K-12 education. Initial planning and implementation efforts for the *Center* began during the 2011-12 academic year.

Scope of the Report

The information provided in this report addresses the six specific requirements that are listed in Section 98 (8) of P.A. 62 of 2011. These items include the schools served by the *MVS*, online course titles available to Michigan schools, course enrollment, registration and completion rates by course, the overall completion rate percentage, grant expenditure information for the period October 1, 2011- September 30, 2012, and the identification of unmet needs that could be addressed by the *MVS*. Supplemental information is included in this report that summarizes 2011-12 expenditures for two federal grants that support *MVU* online learning programs.

Michigan Schools Served by the MVS

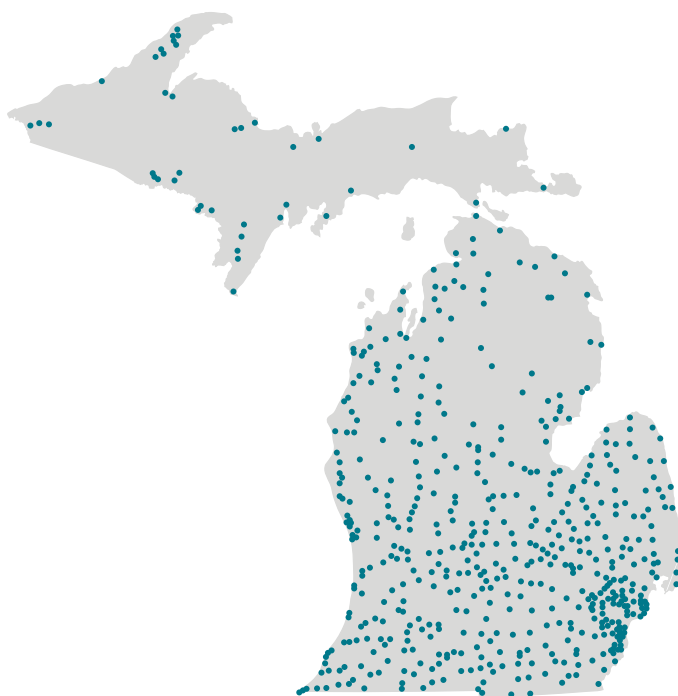
From October 1, 2011 - September 30, 2012, the *MVS* served students enrolled in 482 Michigan local education agencies (LEAs), public school academies (PSAs), intermediate school districts (ISDs) and nonpublic schools, including schools that have been identified by the MDE as not meeting adequate yearly progress (AYP). A complete list of the Michigan schools served during 2011-12 is included in Exhibit 1. These schools accounted for 15,654 *MVS* course registrations over the past year. In addition, the *MVS* had 2,930 student registrations from 1,734 Michigan home schools during 2011-12. School enrollments in *MVS* courses over the past year ranged from a single student enrollment to 697 student enrollments. The average number of enrollments per school or district during 2011-12 was 32.

Figure 2 provides a geographic representation of *MVS* course registrations for the public, nonpublic and home schools that enrolled students during 2011-12. During this period, schools and families in 78 of the state's 83 counties were supported with *MVS* online courses and programs.

Online Courses Available to Michigan Schools from the MVS

Exhibit 2 provides a listing of the online courses offered by the *MVS* to Michigan schools and parents during the period October 1, 2011 - September 30, 2012. These online courses are listed by the course titles that were included in the *MVS* course catalog for the corresponding fall, spring and summer semesters, as well as three trimesters during the fall and spring. These titles include courses in the content areas of English language arts, mathematics, science, social studies, world languages and other special interest or elective courses such as computer science, career planning and entrepreneurship courses. The list includes 239 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

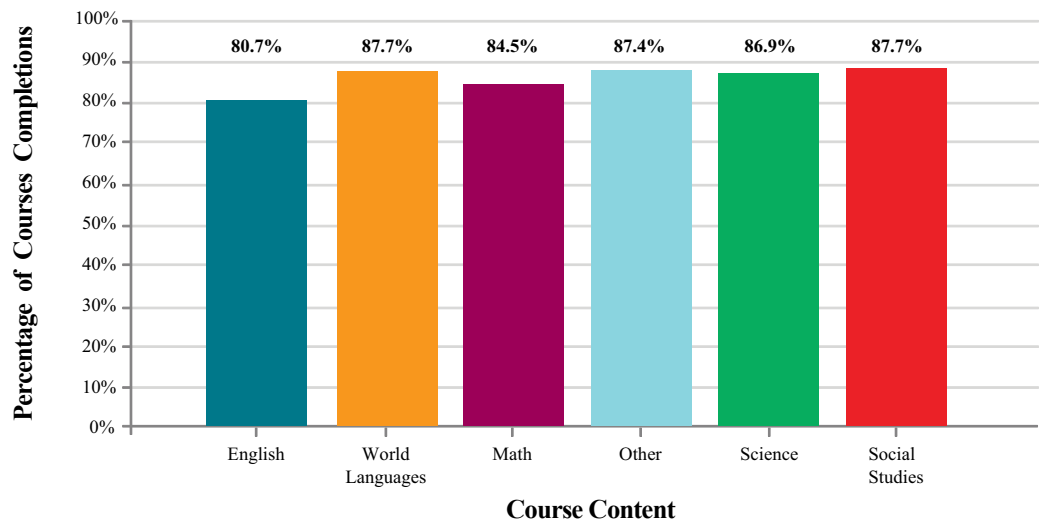
Figure 2
Michigan Cities and Villages with Enrollments in the Michigan Virtual School During the 2011-12 School Year



those developed by *MVS* and courses and content licensed from nationally recognized providers. A majority of the *MVS* courses (79%) are offered at the high school level, but approximately 49 online courses are available for middle school students in grades 6-8.

The adoption of the MMC in 2006 prompted the *MVS* to initiate an intensive multi-year course review and revision process to ensure that the online courses support the new curriculum requirements and the corresponding high school content expectations (HSCEs). The *MVS* focused this course review and revision effort in the areas of mathematics, science, English language arts and social studies to assist schools in complying with the state's graduation requirements and to help meet the demand for courses and highly qualified instructors in curriculum content areas where teacher shortages have been predicted. These and other *MVS* online courses are under constant review to improve their instructional design and student success rates. The courses offered through the *MVS* are designed to assist Michigan students in meeting the state's innovative online learning graduation requirement.

Figure 3
2011-12 MVS Average
Course Completion Rate by
Content Area



MVS Online Course Enrollments, Registrations and Completions by Course

The overall average completion rate for the *MVS* courses offered in the fall 2011, spring 2012 and summer 2012 semesters was 86.3 percent. This includes 14,473 Michigan student enrollments in semester-length, instructor-led *MVS* courses and excludes students enrolled in *MVS* summer enrichment or special programs, ungraded pilot programs and non-instructor-led courses. The *MVS* course completion rate is calculated by dividing the number of enrollments that earned 60% or more of the final points by the number of enrollments that earned 10% or more of the final points. It is a common practice

in online learning to drop enrollments with less than 10 percent of the possible points to correct for students who didn't attend or who had little to no significant activity in their courses.

It is worth noting that the *MVS* completion rate has grown from 80.9 percent to 86.3 percent over the past four years. During the same period, the number of enrollments included in the completion rate calculations has increased by almost 20 percent.

Figure 3 provides a summary of the *MVS* course completion rates by curriculum content area. Course completion rates ranged from over 80 percent in English language arts and mathematics courses, to over 87 percent in social studies, world languages and other elective courses. As previously noted, the category titled "Other" includes elective courses such as Basic Software Applications, Career Planning, Digital Communication and Imaging, Entrepreneurship and Music Appreciation. The 2011-12 *MVS* course completion rates by individual course title can be found in Exhibit 3.

Figure 4
Frequency of 2011-12 MVS Students' Final Scores

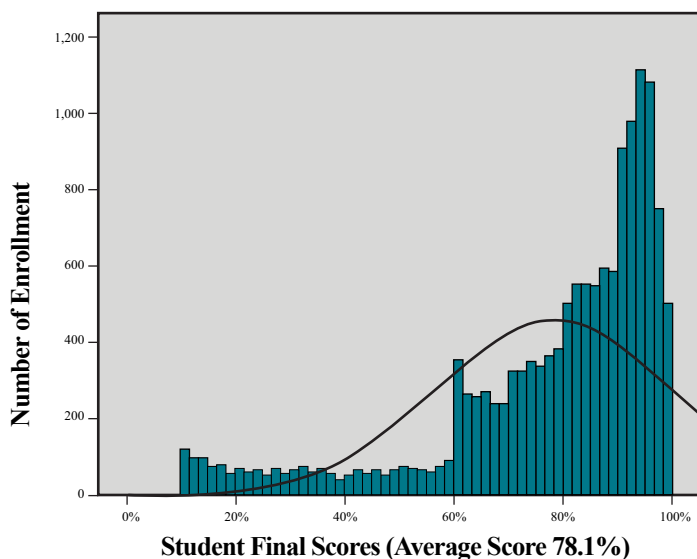


Figure 4 represents the frequency of students' final scores for the 14,473 course enrollments used to calculate the completion rate for the 2011-12 academic year. During this timeframe there were fall, spring and summer semesters, as well as three trimesters offered in the fall and spring. The histogram takes into account any student enrollment earning a minimum of 10 percent of the possible points from the 202 instructor-led courses selected by schools and students from the *MVS* course catalog during this period.

The *MVS* provides ongoing assistance to the local school mentors, counselors and administrators responsible for enrolling and supporting students in *MVS* courses. *MVS* course completion rates are increasing as a result of improved monitoring, additional student support services, and steps taken to streamline the process for formally dropping students from courses that they do not intend to complete or actively participate in. This process is an ongoing challenge because some students start slowly in their online courses and gain confidence in this new learning environment as the semester continues. Schools have made significant strides in developing the local capacity to support and encourage online learners and the *MVS* works with school personnel across the state to minimize the number of incomplete enrollments.

Figure 5 highlights the 10 *MVS* instructor-led core content area courses with the highest enrollments and their corresponding completion rates recorded during 2011-12. Enrollments in these courses represent approximately 20 percent of all *MVS* course enrollments included in the completion rate calculations.

The *MVS* also offered 32 courses during 2011-12 with five or fewer enrollments recorded, including semester or trimester sections of middle school mathematics, science and world languages, and upper-level language courses in Chinese and Latin. Michigan school administrators have consistently noted that the availability of a robust catalog of online courses is especially useful to them as many schools have been forced to eliminate low enrollment course options for students due to increasing instructional costs.

Each year the *MVS* serves a large number of students in credit recovery courses, as well as AP courses, advanced math or science courses or world language courses that are typically not available through their local school. In meeting these unique needs, the *MVS* tends to serve students on both ends of the achievement spectrum. During the 2011-12 academic year, the *MVS* offered 34 instructor-led AP courses and recorded 1,325 enrollments with a completion rate of 91.7%.

Figure 5
Top Ten *MVS* Core Content Area Courses
by Enrollments

Course Title	Enrollment Totals	Comp Rate
Health	365	86.8%
Civics	322	89.4%
Economics	312	89.1%
Forensic Science - Intro.	263	83.7%
Spanish 1 (A)	256	73.4%
Astronomy	243	88.5%
German 1 (A)	241	88.0%
French 1 (A)	238	87.0%
AP Psychology	231	91.3%
American Sign Lang. 1 (A)*	210	89.0%
Psychology (A)*	210	91.4%
	Total 2,891	Overall Rate 87.0%

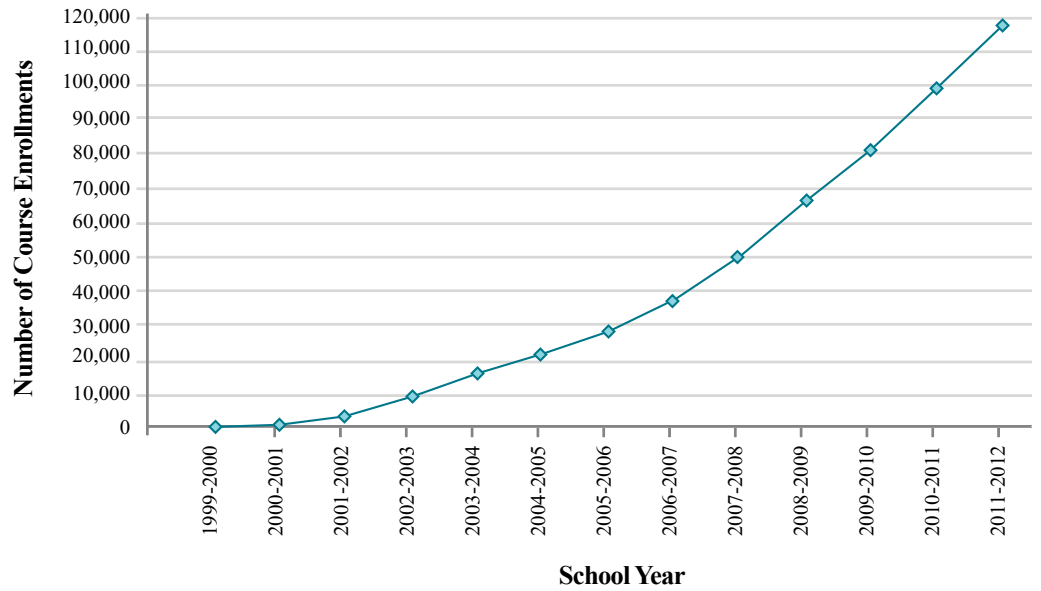
* Tied for 10th

The number of AP enrollments represents about nine percent of all course enrollments included in the completion rate during the reporting period.

Many schools in Michigan do not allow students to enroll in online courses if the same course is offered face-to-face locally. The exception to this trend tends to be for courses that students have failed in the traditional face-to-face environment. These and other factors such as scheduling conflicts contribute to the course selection, completion and achievement across *MVS* courses.

Another element contributing to student success is the essential support role of local mentors who are responsible for assisting students as they access their online courses from a school setting. The *MVS* continues to offer its free mentor training to schools as they build capacity to support online learners in their communities.

Figure 6
Cumulative Frequency of MVS
Course Registrations Since
1999-2000



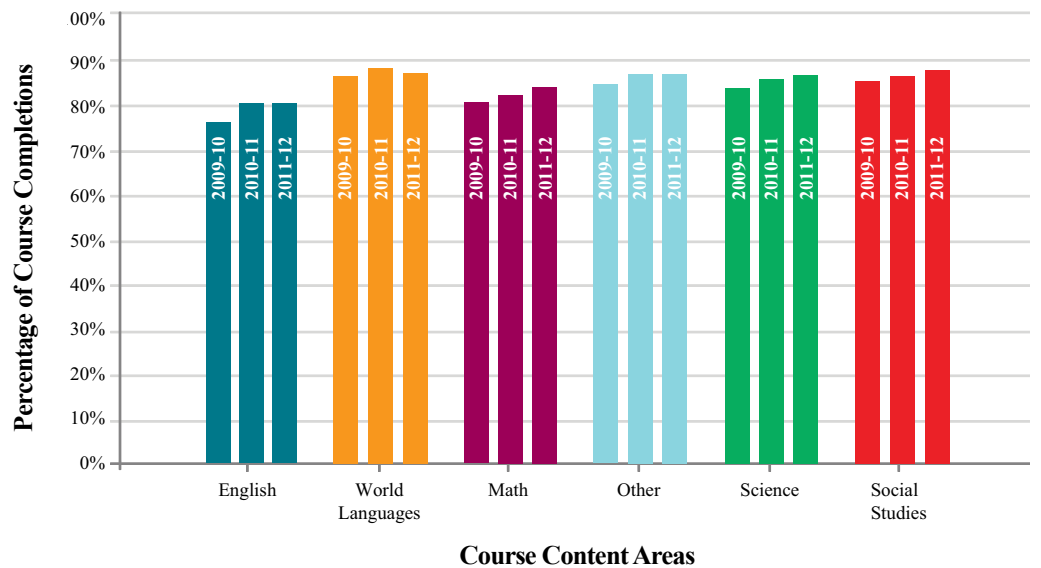
MVS Course Enrollments and Completion Rates Over Time

The growth of online learning continues to expand teaching and learning opportunities for Michigan’s middle and high school students. The *MVU* has a strong record of working in partnership with the state’s K-12 community to help schools and parents meet a variety of instructional needs for their students. In addition, the organization has developed the technical infrastructure and capacity to deliver high quality online courses and instructional materials through a cadre of highly qualified Michigan-certified instructors. A review of *MVS* course registrations and completion rates over multiple years provides evidence of this ongoing effort. As Figure 6 demonstrates, *MVS* course registrations

have grown consistently and at an accelerating pace over the past 13 years. During the 2011-12 academic year the *MVS* surpassed 100,000 course enrollments, marking a significant milestone in the history of the organization.

In addition to experiencing consistent growth in course enrollments, *MVS* has also demonstrated steady improvement in student performance in its online courses. As depicted in Figure 7, over the past three years the *MVS* has tended to increase or maintain its course completion rates within each of its six content areas. Developing strategies and outreach efforts to support improvements in the course completion rates by students is an ongoing strategic goal of *MVU*.

Figure 7
MVS Course Completion
Rates from 2009-10
to 2011-12



Identification of Unmet Educational Needs That MVU Could Address

Providing high quality online and blended learning options to students regardless of where they live or where they attend school can provide meaningful alternatives for students who have a need for greater flexibility with their education. *MVU* has identified four areas for the consideration of state policymakers to address unmet educational needs and to enhance the growth and development of Michigan's online learning industry. The four areas described below seek to expand innovative learning opportunities for Michigan students and promote 21st century learning skills. The following items also support current efforts to reinvent education in Michigan.

1. Strengthen Michigan's Online Learning Requirement

The State should eliminate the existing 20 hour minimum threshold for online learning and require all students in Michigan to take at least one instructor-led, semester-length online course before graduating from high school. In 2006 Michigan became the first state in the U.S. to adopt an online learning high school graduation requirement. Unfortunately, too many schools have implemented a narrow approach to meeting this innovative requirement. With many college students today taking online courses, all Michigan students should have the opportunity to experience the benefits of taking an instructor-led online course as a strategy to develop 21st century learning skills and increase students' college readiness.

2. Assist Students, Parents and Schools in Choosing High-Quality Options for Online and Blended Learning

As Michigan moves toward learning that is any time, any place, any way, any pace, evaluating provider quality and communicating quality outcomes to students, parents and schools to inform choice is paramount. During the 2011-12 academic year, *MVU* participated in a national effort by the International Association for K-12 Online Learning (iNACOL), funded by the Bill and Melinda Gates Foundation, to develop outcome-based measures for evaluating student learning. Released in October, the publication *Measuring Quality From Inputs to Outcomes:*

Creating Student Learning Performance Metrics and Quality Assurance for Online Schools outlines a multiple-measures approach to quality assurance. *MVU's Center for Online Learning Research and Innovation* could play an expanded role to offer evaluation services to local and intermediate school districts to determine the effectiveness of online and blended programs.

3. Effectively and Efficiently Bring to Scale Professional Development on the Common Core and the Next Generation Science Standards

With Michigan's adoption of the Common Core State Standards and the Next Generation Science Standards, significant teacher professional development will be needed immediately to transform teaching and learning that truly achieves the intentions of the new standards. These new standards reflect revised content expectations, updated pedagogical approaches and improved assessment strategies. The State could leverage *MVU* to deliver large-scale, high-quality, high-fidelity professional development across the state while simultaneously relying on the *Center for Online Learning Research and Innovation's* research capacity to study and improve professional development efforts and the standards adoption process.

4. Partner With Michigan Teacher Preparation Programs to Provide K-12 Online Teaching Skills and Experience

A criticism of many teacher preparation programs is that students are graduating without the requisite skills and experiences for teaching in online and blended environments. The ability for teachers to provide effective instruction in online and blended environments is no longer tangential, but rather at the core of being a quality teacher in today's knowledge economy. The state should leverage *MVU's* experience with K-12 online learning and online professional development to create partnerships with teacher preparation institutions in Michigan that introduce new models for teacher preparation that stress collaboration across institutions, development of knowledge, skills and attitudes for teaching online, and include actual experience providing instruction to K-12 students in an online setting.

Summary of DED-OESE, Title IIA Teacher Quality Grant and DED-OESE, Title IID Education Technology Grant Expenditures

During the 2011-12 academic year, *MVU* received Legislative appropriations through two federal grant programs to support online learning in Michigan schools. The Title IIA Teacher Quality Grant provided funding to support *Michigan LearnPort*, a statewide communication and professional development portal developed in partnership with the MDE to serve Michigan educators and members of the K-12 community. *Michigan LearnPort* is redefining how professional development services are delivered by making effective use of innovative Web-based tools and resources. K-12 school personnel in Michigan accessed more than 25,000 enrollments in online professional development programs using *Michigan LearnPort* during the 2011-12 academic year.

The Title IID Enhancing Education Through Technology Grant provided funding to build *MVU's* statewide capacity for providing high-quality online services and delivering courses and instruction in innovative ways to nontraditional K-12 audiences. The Title IID Grant enabled the *MVS* to provide no-cost course scholarships for students to expand enrollments in online courses in Michigan schools, including schools that have been identified for improvement or corrective action. During the 2011-12 academic year, the *MVS* worked in partnership with several intermediate school districts to expand online learning opportunities. Grant expenditure summary information for both grant programs for 2011-12 is included as Supplemental Information in Exhibit 4.

Conclusion

Michigan's schools must meet the challenges of improving student achievement at all grade levels and increase graduation rates with fewer financial resources. The potential reach and impact of online learning is growing and it represents a key component of our current education system and an area for significant development in the future. Expanding Michigan's leadership role in online education can enhance educational quality and support the state's long-term economic development strategy. The transition of learning environments from traditional classroom models to multimedia-rich online courses and resources will require the transformation of both individual and organizational behavior. *MVU* stands ready and looks forward to working with the state's policy leaders and elected officials to develop Michigan's online learning industry and to help position the state to assume a national leadership role in the knowledge economy.

Vision

To provide leadership by expanding, improving and innovating learning opportunities for K-12 students and educators.

Mission

To serve as a catalyst for change by providing quality Internet-based programs that strengthen teaching and learning for K-12 education.

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

Exhibit 1 2011-12 Michigan Schools Served

A.D. Johnston Jr/Sr High School
Academy of Sacred Heart
Achieve Charter Academy
Addison Jr/Sr High School
Adlai Stevenson High School
Advanced Technology Academy
Aisha Shule/WEB Dubois Prep.
Academy School
Akiva Hebrew Day School
Akron-Fairgrove Jr/Sr H.S.
Alanson Public School
Alba School
Albion High School
Alcona Community High School
Algonac H.S.-St Clair RESA
All Saints Central School
Allegan High School
Allendale High School
Alma Senior High School
Almont High School
Alternative Education-Legacy
Ann Arbor Open at Mack School
Arbor Preparatory High School
Arenac Eastern Middle/H.S.
Armada High School
Armstrong Middle School
Athens High School-Troy
Au Gres-Sims Middle and H.S.
Auburn Hills Christian School
Bad Axe High School
Baldwin Senior High School
Bark River-Harris Jr/Sr H.S.
Bath High School
Bay City Adult Education/CTP
Bay City Western High School
Bear Lake High School
Belding High School
Bellaire Middle/High School
Belleville High School
Bentley Senior High School
Benzie Central Sr. High School
Berkley High School
Big Bay De Noc School
Birch Run High School
Black River Public School
Blissfield High School
Bloomfield Hills Andover H.S.
Bloomfield Hills Lahser H.S.
Boyne Falls Public School
Brandywine Senior High School
Breckenridge High School
Brethren High School
Bridgeport High School
Bridgman High School
Brighton High School

Brimley Jr/Sr High School
Bronson Jr/Sr High School
Brown City High School
Buchanan High School
Buckley Community School
Bullock Creek High School
Burt Township School
Byron Center Charter Sch.
Byron Center High School
Caledonia High School
Calumet High School
Calvary Baptist Academy
Calvin Christian High School
Cambridge High School
Canton Charter Academy
Capac H.S.-St Clair RESA
Capac Middle School
Carney-Nadeau School
Caseville High School
Cass City High School
Cedar Springs High School
Cedarville High School
Central High School-Forest Hills
Central H.S.-Traverse City
Central Lake Public School
Central Middle School-Ada
Centreville High School
Charlotte Senior High School
Chesaning Union High School
Chippewa Hills High School
Chippewa Valley - WIA
Chippewa Valley High School
Churchill High School
City Middle/High School
Clague Middle School
Clare High School
Clarkston High School
Climax-Scotts High School
Clinton High School
Clintondale High School
Coldwater High School
Coloma High School
Coloma Junior High School
Columbia Central High School
Community H.S.-Ann Arbor
Comstock High School
Comstock Park High School
Concord High School
Concord Montessori and
Community School
Conner Creek Academy East-MI
Collegiate High
Constantine High School
Coopersville High School
Cousino Senior High School

SUPPLEMENTAL INFORMATION

Exhibit 1:

2011-12 Michigan Schools Served

Exhibit 2:

2011-12 Online Course Titles Offered by the MVS to Michigan Schools

Exhibit 3:

2011-12 MVS Summary of Courses, Enrollments and Completion Rates

Exhibit 4:

Summary of Federal Grant Expenditures

Covered Bridge School
Creative Technologies Academy
Crockett High School
Dakota High School
Dansville High School
Davis Aerospace High School
Dearborn Heights Virtual Academy
Dearborn High School
Decatur High School
DeLaSalle Collegiate High School
Derby Middle School
DeTour Arts and Technical Academy
DeTour High School
Detroit Catholic Central High School
Detroit Midtown Academy
DeWitt High School
Dexter High School
Divine Child High School
Dryden High School
E.F. Rittmueller Middle School
Early College Alliance
East Grand Rapids High School
East Lansing High School
East M.S.-Farmington Hills
Eastern High School-Forest Hills
Eastern Washtenaw Multi. Academy
Eaton Rapids Senior High School
Edison Public School Academy
Edsel Ford High School
Edwardsburg High School
Elk Rapids High School
Ellsworth Community School
Engadine Schools
Ernest W. Seaholm High School
Escanaba Middle School
Everest Academy
Everett High School
Ewen-Trout Creek Consol. School
Excel Charter Academy

Fairview High School
 Faithway Christian School
 Farmington High School
 Farwell Timberland Alt. High School
 Fennville Public High School
 Fenton Senior High School
 Ferndale High School
 FlexTech High School
 Fordson High School
 Forest Park School
 Fowler High School
 Fowlerville High School
 Fr. Gabriel Richard High School
 Frankenmuth High School
 Frankfort High School
 Freeland Middle School/H.S.
 Fremont High School
 Fulton High School
 Garber High School
 Genesee High School
 Gladstone Area High School
 Gobles High School
 Godwin Heights Senior H.S.
 Grand Haven High School
 Grandville High School
 Grandville Middle School
 Grass Lake High School
 Grattan Academy - Middle/H.S.
 Great Oaks Academy
 Grosse Ile High School
 Grosse Pointe North High School
 Grosse Pointe South High School
 H.H. Dow High School
 Haas Elementary School
 Hamilton High School
 Hamtramck High School
 Hancock Central High School
 Hanover-Horton High School
 Harbor Beach Community H.S.
 Harper Woods High School
 Harrison Community High School
 Harrison High School
 Hartford High School
 Hartland High School
 Haslett High School
 Hemlock High School
 Henry Ford Academy
 Henry Ford II High School
 Hesperia High School
 Highland Park Community H.S.
 Hillman Community Jr/Sr H.S.
 Hillsdale High School
 Holland Christian High School
 Holly High School
 Holt Senior High School
 Honey Creek Community School
 Hopkins High School

Houghton Central High School
 Houghton Lake High School
 Howell High School
 Huron High School-Ann Arbor
 Huron High School-New Boston
 Huron Valley Lutheran High School
 Imlay City High School
 Immanuel-St. James Luth. School
 Interlochen Arts Academy
 Ionia High School
 Iron Mountain High School
 Ishpeming High School
 Ithaca High School
 J.W. Sexton High School
 JCC/LISD Academy: A Regional
 Middle College
 Jeffers High School
 Jefferson M.S.-Saint Clair Shores
 John Glenn H.S.-Westland
 John Paul II Catholic School
 Kalamazoo Central High School
 Kalamazoo Christian High School
 Kelloggsville High School
 Kenowa Hills High School
 Kensington Woods High School
 Kent City High School
 Kingsford High School
 Kingsley Area High School
 Kingston High School
 Ladywood High School-Detroit
 Laingsburg High School
 Lake Linden-Hubbell High School
 Lakeland High School
 Lakeshore High School
 Lakeside Christian School
 (Summit Christian Academy)
 Lakeview H.S.-Battle Creek
 Lakeview H.S.-Saint Clair Shores
 Lakeview M.S.-Battle Creek
 Lakeville High School
 Lamphere High School
 L'Anse Creuse H.S.
 L'Anse Creuse H.S.- North
 L'Anse Creuse M.S.- North
 Lansing Catholic Central H.S.
 Lansing Christian School
 Lapeer East Senior High School
 LaSalle High School
 Lawrence Jr/Sr High School
 Lawton High School
 LCC - HSDCI
 Lee M. Thurston High School
 Leland Public School
 Leon W. Hayes Middle School
 Leslie High School
 Lincoln Senior High School
 Linden Grove Middle School

Linden High School
 Litchfield High School
 Lowell Senior High School
 Loy Norrix High School
 Ludington High School
 Lumen Christi High School
 Luther L. Wright High School
 Lutheran High School South
 Mackinac Island School
 Mancelona High School
 Manchester High School
 Manistee Catholic Central School
 Manistee High School
 Manistique Middle and High School
 Manton Consolidated High School
 Maple City-Glen Lake Jr/Sr H.S.
 Maple Street Magnet School for
 the Arts
 Maple Valley Jr/Sr High School
 Marine City High School
 Marion High School
 Marquette Senior High School
 Marquette-Alger Admin. Unit
 Marshall Academy
 Marshall High School
 Martin High School
 Marysville H.S.-St Clair RESA
 Mason High School
 Mattawan High School
 Mayville High School
 Mendon Middle/High School
 Menominee High School
 Meridian High School
 Merrill High School
 Michigan Center Jr/Sr High School
 Michigan Islamic Academy
 Michigan School for the Deaf
 Michigan Works
 Mid Peninsula School
 Midland Academy of Advanced
 and Creative Studies
 Midland High School
 Milan High School
 Milford High School
 Mill Creek Middle School-Dexter
 Millington High School
 Milwood Magnet School
 Mio-AuSable High School
 Mona Shores High School
 Monroe High School
 Montabella Junior/Senior High
 Montague High School
 Munising High and Middle School
 Nah Tah Wahsh PSA
 Negaunee High School
 New Buffalo Senior High School
 New Haven High School

New Life Christian Academy
Niles Senior High School
North Adams High School
North Branch High School
North Central Area Jr/Sr H.S.
North Dickinson School
North Farmington High School
North Huron School
North Muskegon High School
North Road Elementary School
Northeast M.S.-Comstock
Northern H.S.-Forest Hills
Northport Public School
Northview High School
Northville High School
Northwest High School
Norway High School
Notre Dame Preparatory School
Novi High School
Oakland Internat. Acad-Mid/High
Oakridge High School
Ogemaw Heights High School
Olivet High School
Onkama Middle/High School
Ontonagon Area Jr/Sr H.S.
Otsego High School
Otsego Middle School
Ottawa Hills High School
Our Lady of Sorrows School
Our Savior Evang. Lutheran School
Ovid-Elsie High School
Owosso High School
Oxford High School
Pansophia Academy
Parkway Christian School
Paw Paw High School
Peck Jr./Sr. High School
Perry High School
Perry/Morrice Alt./Adult Ed.
Pewamo-Westphalia Jr/Sr H.S.
Phoenix Alt. High School-Powers
Pickford High School
Pinckney Community High School
Pinconning High School
Pioneer High School
Plainwell High School
Plymouth Christian Academy
Plymouth Educational Center
Preparatory High School
Plymouth High School
Pontiac High School
Port Huron Northern High School
-St. Clair RESA
Portage Central High School
Portage Community High School
Portage Northern High School
Pottersville High School

Quincy High School
Ravenna High School
Reading High School
Redford Union High School
Renaissance H.S.-Clarkston
Republic-Michigamme School
Richmond Community H.S.
River Rouge High School
River Valley High School
Riverside Prep/Mid. Coll. Academy
Riverview Community H.S.
Rochester Adams High School
Rochester High School
Rockford High School
Rogers City High School
Rogers High School
Romeo High School
Roscommon High School
Sacred Heart Academy
Saginaw Arts & Sciences Academy
Saline High School
Saline Middle School
Sand Creek High School
Sanilac Career Center
Saranac High School
Saugatuck High School
Sault Area High School
Sawdon High School
Schoolcraft High School
Shelby High School
Shepherd High School
Shrine High School
Skyline High School
South Arbor Charter Academy
South Lyon East High School
South Lyon High School
Southfield Christian School
Southgate Anderson High School
Sparta Senior High School
Spring Lake High School
Spring Vale Academy
St. Charles Community H.S.
St. Johns High School
St. Joseph High School
St. Philip Catholic Central H.S.
St. Thomas Aquinas-East Lansing
Standish-Sterling Central H.S.
Starr Commonwealth for Boys
Stevenson High School
Stockbridge High School
Stoney Creek High School
Sturgis High School
Superior Central School
Suttons Bay Senior High School
Swan Valley High School
Swartz Creek Global Learn. Hub
TA Wilson School

Tappan Middle School
Tecumseh High School
The Early College @ LCC
Thornapple Kellogg High School
Three Rivers High School
Tinkham Alternative Education
Todd Martin Development Fund
Traverse City College Prep. Acad.
Traverse City East Middle School
Traverse City Off Campus Ed.
Traverse City Shared-Time Sch.
Tri County Senior High School
Trinity Lutheran School-Paw Paw
Tri-Township School
Tri-Unity Christian High School
Troy High School
Udly Community High School
Union City High School
Unionville-Sebewaing High School
Unity Christian High School
University High School Academy
University of Detroit Jesuit
Univ. Prep. Academy (PSAD)-H.S.
Univ. Prep. Science/Math (PSAD) M.S.
Utica High School
Van Buren Vir. Academy at Lawrence
Vanderbilt Area School
Vassar Senior High School
Veritas Christi High School
Vestaburg Community High School
Vicksburg High School
Wakefield-Marenisco School
Waldron High School
Walled Lake Northern High School
Walled Lake Western High School
Warren Mott High School
Watersmeet Township School
Watervliet Senior High School
Wayland High School
Wayne Memorial High School
WayPoint Academy
Webberville High School
West Iron County High School
West Michigan Aviation Academy
West Michigan Lutheran High School
West Middle School-Traverse City
West Ottawa High School Campus
West Senior High
Western High School
Western Middle School-Parma
Whitefish Township School
Whitehall Senior High School
Whitmore Lake High School
Williamston High School
Wolverine Middle/High School
Woodward Academy
Ypsilanti High School

Exhibit 2 2011-12 Online Course Titles Offered by the MVS to Michigan Schools

Math Courses	English Courses	Science Courses
Math Tracks	English 6 (A)	Science Tracks
Mathematics 6 (A)	English 6 (B)	Science Foundations (A)
Mathematics 6 (B)	English 6 (A) - Advanced	Science 6 (A)
Mathematics 6 (A) - Advanced	English 6 (B) - Advanced	Science 6 (B)
Mathematics 6 (B) - Advanced	English 7 (A)	Science 7 (A)
Mathematics 7 (A)	English 7 (B)	Science 7 (B)
Mathematics 7 (B)	English 7 (A) - Advanced	Science 8 (A)
Mathematics 7 (A) - Advanced	English 7 (B) - Advanced	Science 8 (B)
Mathematics 7 (B) - Advanced	English 8 (A)	Physical Science (A)
Mathematics 8 (A)	English 8 (B)	Physical Science (B)
Mathematics 8 (B)	English 8 (A) - Advanced	Earth Science (A)
Mathematics 8 (A) - Advanced	English 8 (B) - Advanced	Earth Science (B)
Mathematics 8 (B) - Advanced	English Foundations 1 (A)	Astronomy
Basic Math 1 (A)	English Foundations 1 (B)	Human Space Exploration
Basic Math 1 (B)	English Foundations 2 (B)	Oceans & Their Ecosystems
Basic Math 2 (A)	English 9 (A)	Oceanography (A)
Basic Math 2 (B)	English 9 (B)	Oceanography (B)
Pre-Algebra (A)	English 10 (A)	Environmental Science (A)
Pre-Algebra (B)	English 10 (B)	Environmental Science (B)
Pre-Algebra (A) - Numbers	English 11 (A)	Forensic Science - Introduction
Pre-Algebra (B) - Numbers	English 11 (B)	Forensic Science - Advanced
Algebra 1	English 12 (A)	Health
Algebra 1 (A)	English 12 (B)	Biology (A)
Algebra 1 (B)	Composition - Beginning	Biology (B)
Integrated Math 1 (A)	Composition - Advanced	Bioethics
Integrated Math 1 (B)	American Film Survey	Anatomy & Physiology (A)
Algebra 2 (A)	Directors of the Golden Age	Anatomy & Physiology (B)
Algebra 2 (B)	Journalism	Chemistry (A)
Integrated Math 2 (A)	Reading	Chemistry (B)
Integrated Math 2 (B)	Writing Skills and Strategies	Physics (A)
Geometry (A)	Writing Skills and Strategies (A)	Physics (B)
Geometry (B)	Writing Skills and Strategies (B)	AP Environmental Science (A)
Personal Finance (A)	World Literature	AP Environmental Science (B)
Personal Finance (B)	AP English Lang. & Comp. (A)	AP Biology (A)
Mathematics of Baseball	AP English Lang. & Comp. (B)	AP Biology (B)
Trigonometry	AP English Lit. & Comp. (A)	AP Chemistry (A)
Pre-Calculus (A)	AP English Lit. & Comp. (B)	AP Chemistry (B)
Pre-Calculus (B)		AP Physics B (A)
Calculus (A)		AP Physics B (B)
Calculus (B)		AP Physics C - Mechanics (A)
Probability and Statistics (A)		AP Physics C - Mechanics (B)
Probability and Statistics (B)		
AP Calculus AB (A)		
AP Calculus AB (B)		
AP Calculus BC (A)		
AP Calculus BC (B)		
AP Statistics (A)		
AP Statistics (B)		

Social Studies Courses

World Cultures 6 (A)
World Cultures 6 (B)
World Cultures 6 (A) - Advanced
World Cultures 6 (B) - Advanced
World Geography 7 (A)
World Geography 7 (B)
World Geography 7 (A) - Adv.
World Geography 7 (B) - Adv.
U.S. History 8 (A)
U.S. History 8 (B)
Civics
U.S. Government
Economics
U.S. & Global Economics
Legal Issues
Psychology (A)
Psychology (B)
Psychology
Sociology
Global Issues & Perspectives
U.S. History & Geography (A)
U.S. History & Geography (B)
U.S. History (A)
U.S. History (B)
World History & Geography (A)
World History & Geography (B)
World History (A)
World History (B)
Native American History
Multicultural Studies
AP Macroeconomics
AP Microeconomics
AP U.S. Government & Politics
AP Psychology
AP U.S. History (A)
AP U.S. History (B)

World Language Courses

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

Spanish 1 (A)
Spanish 1 (B)
Spanish 2 (A)
Spanish 2 (B)
Spanish 3 (A)
Spanish 3 (B)
AP Spanish (A)
AP Spanish (B)

Other Elective Courses

Basic Software App. (6-8)
Art Appreciation
In Search of Cyrano
Music Appreciation
Music Appreciation (A)
Music Appreciation (B)
Personal Fitness
Physical Education
Study Skills
Employability Skills
Careers - Find Your Future
Career Planning
Business Ethics
Entrepreneur Busin.Management
Entrepreneur Business Planning
Basic Software Applications
Microsoft Office 2007
Digital Photography
C++ Programming (A)
C++ Programming (B)
Web Design Basics HTML
Game Design (A)
AP Art History (A)
AP Art History (B)
AP Computer Science A (A)
AP Computer Science A (B)

Exhibit 3 2011-12 MVS Summary of Courses, Enrollments and Completion Rates

Math Course Titles	Total N	Comp Rate	ELA Course Titles	Total N	Comp Rate
Mathematics 6 (A)	2	100.0%	English 6 (B)	2	50.0%
Mathematics 6 (B)	2	50.0%	English 7 (A)	6	83.3%
Mathematics 7 (A)	4	75.0%	English 7 (B)	4	50.0%
Mathematics 7 (B)	4	50.0%	English 7 (B) - Advanced	1	100.0%
Mathematics 7 (A) - Advanced	1	100.0%	English 8 (A)	7	85.7%
Mathematics 7 (B) - Advanced	1	100.0%	English 8 (B)	6	83.3%
Mathematics 8 (A)	2	100.0%	English 8 (A) - Advanced	2	100.0%
Mathematics 8 (B)	1	0.0%	English 8 (B) - Advanced	1	100.0%
Basic Math 1 (A)	1	100.0%	English Foundations 1 (A)	7	85.7%
Pre-Algebra (A)	55	81.8%	English 9 (A)	105	72.4%
Pre-Algebra (B)	23	91.3%	English 9 (B)	109	73.4%
Algebra 1 (A)	135	83.7%	English 10 (A)	72	63.9%
Algebra 1 (B)	168	78.6%	English 10 (B)	111	76.6%
Algebra 2 (A)	143	68.5%	English 11 (A)	99	80.8%
Algebra 2 (B)	106	86.8%	English 11 (B)	99	77.8%
Geometry (A)	176	75.0%	English 12 (A)	145	80.0%
Geometry (B)	179	85.5%	English 12 (B)	111	89.2%
Personal Finance (A)	209	81.8%	Composition - Beginning	25	84.0%
Personal Finance (B)	202	91.6%	Composition - Advanced	6	66.7%
Mathematics of Baseball	142	86.6%	American Film Survey	190	84.7%
Trigonometry	46	89.1%	Directors of the Golden Age	39	89.7%
Pre-Calculus (A)	90	86.7%	Journalism	45	97.8%
Pre-Calculus (B)	71	93.0%	Reading	23	78.3%
Calculus (A)	38	84.2%	Writing Skills and Strategies (A)	6	100.0%
Calculus (B)	19	100.0%	Writing Skills and Strategies (B)	1	100.0%
Probability and Statistics (A)	78	89.7%	World Literature	41	90.2%
Probability and Statistics (B)	11	81.8%	AP English Lang. & Comp. (A)	33	87.9%
AP Calculus AB (A)	28	92.9%	AP English Lang. & Comp. (B)	24	95.8%
AP Calculus AB (B)	18	94.4%	AP English Lit. & Comp. (A)	33	75.8%
AP Calculus BC (A)	27	100.0%	AP English Lit. & Comp. (B)	22	77.3%
AP Calculus BC (B)	25	100.0%			
AP Statistics (A)	60	93.3%			
AP Statistics (B)	50	88.0%			

Science Course Titles	Total N	Comp Rate
Science 6 (A)	5	60.0%
Science 6 (B)	2	100.0%
Science 7 (A)	5	60.0%
Science 7 (B)	5	60.0%
Science 8 (A)	5	80.0%
Science 8 (B)	8	50.0%
Physical Science (A)	38	65.8%
Physical Science (B)	26	80.8%
Earth Science (A)	72	72.2%
Earth Science (B)	21	71.4%
Astronomy	243	88.5%
Human Space Exploration	59	86.4%
Oceans & Their Ecosystems	77	89.6%
Oceanography (A)	197	92.9%
Oceanography (B)	43	93.0%
Environmental Science (A)	42	78.6%
Environmental Science (B)	8	87.5%
Forensic Science - Intro.	263	83.7%
Forensic Science - Advanced	34	97.1%
Health	365	86.8%
Biology (A)	112	76.8%
Biology (B)	89	87.6%
Bioethics	120	88.3%
Anatomy & Physiology (A)	186	94.6%
Anatomy & Physiology (B)	92	94.6%
Chemistry (A)	105	79.0%
Chemistry (B)	88	79.5%
Physics (A)	84	88.1%
Physics (B)	53	92.5%
AP Environmental Science (A)	24	100.0%
AP Environmental Science (B)	20	95.0%
AP Biology (A)	50	86.0%
AP Biology (B)	32	87.5%
AP Chemistry (A)	38	92.1%
AP Chemistry (B)	26	88.5%
AP Physics B (A)	47	91.5%
AP Physics B (B)	43	97.7%
AP Physics C - Mechanics (A)	21	100.0%
AP Physics C - Mechanics (B)	19	89.5%

Social Studies Course Titles	Total N	Comp Rate
World Cultures 6 (A)	2	50.0%
World Cultures 6 (B)	1	100.0%
World Geography 7 (A)	3	66.7%
World Geography 7 (B)	2	100.0%
World Geography 7 (B) - Adv	1	100.0%
U.S. History 8 (A)	6	66.7%
U.S. History 8 (B)	6	66.7%
Civics	322	89.4%
U.S. Government	58	91.4%
Economics	312	89.1%
Legal Issues	148	81.8%
Psychology (A)	210	91.4%
Psychology (B)	63	93.7%
Sociology	178	81.5%
Global Issues & Perspectives	13	53.8%
U.S. History & Geography (A)	144	85.4%
U.S. History & Geography (B)	115	84.3%
World History & Geography (A)	170	81.2%
World History & Geography (B)	149	81.2%
Native American History	114	92.1%
AP Macroeconomics	62	98.4%
AP Microeconomics	54	90.7%
AP U.S. Government & Politics	56	94.6%
AP Psychology	231	91.3%
AP U.S. History (A)	38	94.7%
AP U.S. History (B)	32	100.0%

World Language Course Titles	Total N	Comp Rate	Other Elective Course Titles	Total N	Comp Rate
French 1 (A) (6-8)	2	50.0%	Art Appreciation	86	88.4%
Spanish 1 (A) (6-8)	32	78.1%	In Search of Cyrano	2	50.0%
Spanish 1 (B) (6-8)	17	88.2%	Music Appreciation	44	95.5%
American Sign Lang. 1 (A)	210	89.0%	Music Appreciation (A)	83	88.0%
American Sign Lang. 1 (B)	60	96.7%	Music Appreciation (B)	4	100.0%
Chinese 1 (A)	49	93.9%	Personal Fitness	106	87.7%
Chinese 1 (B)	31	90.3%	Study Skills	253	83.8%
Chinese 2 (A)	20	70.0%	Employability Skills	109	86.2%
Chinese 2 (B)	8	87.5%	Careers - Find Your Future	111	92.8%
Chinese 3 (A)	13	100.0%	Career Planning	259	82.2%
Chinese 3 (B)	15	80.0%	Business Ethics	264	90.9%
Chinese 4 (A)	4	100.0%	Entrepreneur Busin. Management	218	92.7%
Chinese 4 (B)	3	100.0%	Entrepreneur Business Planning	132	86.4%
French 1 (A)	238	87.0%	Basic Software Applications	40	95.0%
French 1 (B)	153	92.2%	Microsoft Office 2007	28	64.3%
French 2 (A)	102	90.2%	Digital Photography	287	89.9%
French 2 (B)	81	92.6%	C++ Programming (A)	148	85.1%
French 3 (A)	50	92.0%	C++ Programming (B)	42	83.3%
French 3 (B)	32	96.9%	Web Design Basics HTML	119	79.0%
French 4 (A)	26	92.3%	Game Design (A)	112	83.9%
French 4 (B)	12	100.0%	AP Art History (A)	23	91.3%
AP French (A)	16	93.8%	AP Art History (B)	14	92.9%
AP French (B)	8	87.5%	AP Computer Science A (A)	40	97.5%
German 1 (A)	241	88.0%	AP Computer Science A (B)	35	94.3%
German 1 (B)	132	91.7%			
German 2 (A)	68	91.2%			
German 2 (B)	51	98.0%			
German 3 (A)	19	94.7%			
German 3 (B)	13	92.3%			
German 4 (A)	12	91.7%			
German 4 (B)	10	100.0%			
Japanese 1 (A)	122	68.0%			
Japanese 1 (B)	70	75.7%			
Japanese 2 (A)	44	97.7%			
Japanese 2 (B)	37	91.9%			
Latin 1 (A)	135	91.1%			
Latin 1 (B)	63	88.9%			
Latin 2 (A)	22	95.5%			
Latin 2 (B)	26	100.0%			
Latin 3 (A)	6	100.0%			
Latin 3 (B)	4	100.0%			
Spanish 1 (A)	256	73.4%			
Spanish 1 (B)	151	82.8%			
Spanish 2 (A)	130	90.8%			
Spanish 2 (B)	110	95.5%			
Spanish 3 (A)	114	92.1%			
Spanish 3 (B)	67	91.0%			
AP Spanish (A)	50	78.0%			
AP Spanish (B)	26	84.6%			

Exhibit 4 Summary of Federal Grant Expenditures

MICHIGAN VIRTUAL UNIVERSITY

Expenditures from October 1, 2011– September 30, 2012

Description	Title IIA, Teacher Quality Grant (1)	Title IID, Education Technology Grant (2)
High School Course Scholarship Support	\$ -	\$118,490
Web hosting, Technical and Infrastructure Support	35,163	21,595
Communication, Outreach and Travel	53,892	-
Conferences, Staff and Instructor Development	-	-
Consultants and Contracted Services	21,350	-
Instructor Consultants	36,400	-
Media Asset, Course Development and Content Licensing	193,947	-
Software Customization	128,269	-
STEM Research and Development	239,870	-
Algebra for All	18,424	-
Salaries and Benefits	724,561	445
Administration	196,810	-
TOTAL	\$1,648,686	\$140,530

(1) All Title II A expenditures (in support of *Michigan LearnPort*) are approved by MDE through a memorandum of understanding. The total includes \$297,483 of Title II A carryover from the 2010-11 grant.

(2) The total reflects \$140,530 of Title II D carryover funds (in support of *Michigan Virtual School*) from the 2010-11 grant.

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