

2011 JCR Report: Collaboration on College Readiness

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The budget committees are interested in learning more about how colleges work with local school districts to determine those students who are college-ready and those who need additional study before beginning college-level coursework. The Maryland Association of Community Colleges (MACC) and the University System of Maryland (USM) should submit a report describing to what extent colleges work with local school systems, and how the colleges and local school systems use the information.

USM and MACC are pleased to submit the following report in response to the JCR request for information related to collaborations on college readiness.

Research conducted across USM and MACC institutions reveals numerous programs that have been developed by institutions in collaboration with schools, school districts, and through direct outreach to students and parents in the community.

MACC and USM institutions have found creative, unique, and effective ways to partner with local school systems to enhance the academic experiences and college preparation of K-12 students. Whether explicitly through college readiness, academic enrichment, career-focused programming or professional development to K-12 teachers, public higher education institutions in Maryland are engaged in partnerships with K-12 school districts to better prepare Maryland's students for college.

This report organizes the activities by college and university; however, the various programs can also be categorized by purpose:

- Programs that focus on exposure to careers and academic disciplines, for example:
 - Allegany College of Maryland's Kids in College, a summer program during which students in 4th through 7th grades explore various careers

- Bowie State University's Future STEM Scholars Program, a two-week residential program that focuses on science
- Community College of Baltimore County's College Connection which provides career exploration sessions for high school juniors and seniors
- Garrett College's College and Me, a program that introduces 5th grade students to various programs of study
- Salisbury University's Science Nights which introduces high school students and their families to majors and careers in science
- Towson University's Geomatics Academies, college preparation programs designed to strengthen students' understanding of math and introduce them to various careers in the environmental sciences
- Programs that focus on college readiness and academic preparation, for example:
 - Anne Arundel Community College's Educational Talent Search, providing students in grades 6 through 12 counseling on college decision making, financial aid, and scholarships
 - Cecil College's Passport to Education, a program for 5th grade students highlighting the importance of academic rigor and success as they transition into middle school
 - Frederick Community College's Life After Middle School which encourages the parents of middle school children to be informed of how middle and high school academic choices can affect their child's preparation for college
 - University of Baltimore's College Readiness Prep Series, a program for 11th grade students that focuses on academic enrichment and "knowledge of college" topics
 - UMBC's College for Every Student, an organization committed to raising the academic aspirations and performance of underserved youth so they are better prepared to be accepted to and succeed in college
 - UMCP's Project Pipeline, a pre-college program that prepares students to study engineering in college by focusing on improving students' mathematical skills
 - Several colleges' Upward Bound Programs which are federally-funded, college preparatory programs providing academic enrichment and college counseling to low-income and first-generation high school students

- Programs devoted to academic enrichment, for example:
 - Carroll Community College's Summer Kids at Carroll, a week-long summer enrichment program for middle school students
 - Frostburg State University's partnership with the Allegany School Board to provide biology, psychology and math college level courses to high school students
 - Montgomery College's Salto al Futuro, a program providing academic support and mentoring to prospective first-generation college students
 - Prince George's Community College's Adopt-A-School Program which provides mentoring, after school tutoring, and college awareness workshops to a local middle school
 - Towson's Teacher Academy of Maryland and their five-week summer program in math and science for middle school students
 - University of Maryland at Baltimore's Bridge to Academic Excellence, where university students from the pharmacy, law, medicine, physical therapy, and dentistry programs serve as tutors in Baltimore City Public School System

Finally, several programs reach out directly to students and parents across the state of Maryland, without working through or with schools or school districts, for example:

- USM's Way2Go Maryland, an information campaign to encourage more students, especially those in middle school, to begin preparing for college early
- University of Maryland's Mary/EMPT, an online early mathematics placement test that is available to anyone who visits the University's website, and is not limited to a single school district.

Maryland Association of Community Colleges

Allegany College of Maryland

Title	Description
Elementary/Middle School Programs	
Early College Awareness Program	The College offers a variety of age-appropriate activities about careers and how ACM can provide the required training. Host campus visits for prospective students.
Kids in College	A summer program hosted at the Somerset and Bedford County Campuses. Students in grades 4 th through 7 th spend five mornings on campus exploring careers through hands-on demonstrations. Students are assessed \$50 with \$10 off each additional family member.
High School Programs	
College recruitment efforts	College fairs, campus visits, high school visitations, open houses/tour days, and guidance counselor drop-by visits. The College provides transportation to high school groups to and from ACM. The campus visit day consists of a campus tour at one or more ACM campuses, attending hands-on career activities, learning about the process to enroll in ACM, and lunch. ACM also offers individualized tours to prospective students and their families. Evening tours are available for non-traditional students.
Early College/Dual Enrollment	Credit courses are offered to high school students both in the high schools and on campus. Enrolled students are charged tuition and fees, but receive a 50% tuition discount. Some state subsidy, Board of Education and Foundation is support provided. The program serves 600 – 700 students per semester.
Early College Awareness Program	The College offers an exploration of careers and how ACM can provide the required training to 9 th and 10 th graders. Averages of 200 students participate each year.
Financial Aid Workshops	The ACM Student Financial Aid Office provides annual workshops at high schools in Allegany, Somerset, and Bedford (PA) counties during the months of January and February. Financial Aid representatives provide important information on completing the FAFSA, as well as answer prospective students' and parents' questions on financial aid. ACM Financial Aid representatives also attend one Parent Teacher Conference Day in Allegany County to reach parents of prospective students who need additional information on student financial aid. Approximately 175 to 200 students participate annually.

Tri-State College Night	Coordinate and host the annual Allegany County college night in partnership with the Allegany County Board of Education. Event is held in the ACM gymnasium the second Tuesday in October. Approximately 50 – 60 colleges attend each year and 200 to 300 students.
Sitting in on a Class	The College offers prospective students the opportunity to sit in on a college class at any one of our three campuses with a current student (mentor). The prospective student spends a half a day with a mentor attending one or two of their classes. After class, mentors are encouraged to have lunch with the prospective student to answer questions on college.
Job Shadowing	Prospective students spend a half day shadowing current students at their clinical site.

Anne Arundel Community College

Title	Description
Middle School Programs	
Educational Talent Search	Educational Talent Search (ETS) serves young people in grades 6 through 12. In addition to counseling, participants receive information about college admissions requirements, scholarships and various student financial aid programs. This early intervention program primarily helps people from families with low-incomes, where neither parent graduated from college, to better understand their educational opportunities and options. More than 363,000 students are enrolled in 466 Talent Search TRIO projects. According to the more recent data collected by the Department of Education, 79% of Talent Search participants were admitted to postsecondary institutions.
Kids in College and Explore	<p>Kids in College includes open enrollment classes and summer camps on various subjects including: Academic Enrichment, The Arts, Music, Theater and Dance, Computer Science, Culinary, Business/Entrepreneur, Science, World Languages and Sports, Fitness and Self-defense. Students are charged \$12 per instructional hour plus supplies.</p> <p>The Explore program is designed for students identified as gifted and talented and provides academic enrichment in subjects such as: Digital Animation, Solar Power, Robotics, Academic Enrichment. Students are charged \$7 per instructional hour plus supplies.</p>
High School Programs	
Jump Start	Jump Start is a program jointly sponsored by Anne Arundel Community College and the Anne Arundel County Public High Schools. This program allows students 16 years of age or older to begin exploring college-level courses and programs while they are still in high school. Jump Start participants may qualify for reduced tuition and eligible participants will receive a 50 percent waiver in tuition costs. Eligible students may take regular college classes that will complement their high school schedules. Approximately 1,000 students participate annually from the county's 14 area high schools.

Jump Start - Arundel Mills Bus Initiative	Arundel Mills Bus Initiative is a program jointly sponsored by Anne Arundel Community College and the Anne Arundel County Public High Schools. This is a special initiative with two public high schools that are located in close proximity to the AACC Arundel Mills Center. Nine (9) selected college courses that complemented the high schools' signature and magnet programs were offered after school hours at the AACC Arundel Mills Center. Jump Start participants were eligible for reduced tuition and received a 50 percent waiver in tuition costs. Anne Arundel County Public Schools provided free bus transportation to and from the high schools to the AACC Arundel Mills Center.
Dual Credit	Dual Credit is a program jointly sponsored by Anne Arundel Community College and the Anne Arundel County Public High Schools. This program allows students to take a college course and earn both college and high school credit. With permission from an Anne Arundel County Public Schools (AACPS) authority and approval of a parent or guardian of a current Anne Arundel County Public High School student, who is 16 years of age by the first day of Anne Arundel Community College (AACC) classes, may enroll in dual-credit courses offered by AACC from the list of courses approved by AACPS. To qualify for equated high school credit; at the time of registration a student must submit to AACC a dual-credit permission form that specifies both the course for which enrollment is requested and identifies the equated high school credit. Upon successful course completion the student will earn college credit. Furthermore, AACPS will be provided an official grade report.
AACC and AACPS Partnerships - School Information	Each year Anne Arundel Community College receives a listing of directory information from Anne Arundel County Public Schools which includes: student name, address, parent/guardian name(s), high school and grade level. This student listing is used by the college throughout the year for marketing and recruitment initiatives. The list is used primarily for targeted mailings to inform students about upcoming AACC events at their high schools and information sessions at college sites. The largest event is the annual College Fair in March. The list is used to mail college fair invitations to all high school students in grades 9 (approximately 15,000 students).
Online High School Program	Anne Arundel Community College has a partnership with a group of private Catholic high schools in Baltimore City and Baltimore County to offer college courses for dual credit in an online format to selected students.
Program Pathways	Program Pathways is an initiative between Anne Arundel Community College (AACC) and Anne Arundel County Public Schools (AACPS) to support successful transition of students from high school to college and careers. Program Pathways have been created under the five high school learning clusters and demonstrate how high school programs move into college degree and certificate programs. High school students have the opportunity to earn AACC credit for completing specific high school Program Pathways in areas including business, management and finance; engineering, mechanical and information technologies; health, environmental and life sciences; and human services. Program Pathways include sequenced courses beginning in high school and leading to a college associate degree, certificate or completion of an apprenticeship program. High school student outreach activities have been undertaken to increase awareness of program pathways, including those leading to 4-year degrees in collaboration with the University Consortium. Campus student information sessions have brought high school students onto AACC campuses to learn about postsecondary program pathway options and career opportunities related to specific high school programs of study, and high school visits have been arranged to present similar information within high school classrooms. Three Transition Advisors based in North County, South River, and Meade High Schools, along with a fourth Transition Advisors who interfaces with all county high schools, have supported sharing program pathways information with students.

Personal Registration Days	Personal Registration Days are special days in April and May when advisers from Anne Arundel Community College work the high schools. The advisers meet individually with graduating seniors who wish to begin their college experience at the community college and with juniors interested in participating in the Jump Start or Dual Credit programs. Each student (parents are also invited) will have an appointment with an adviser to discuss career goals, academic programs, test results, registration and enrollment procedures. Students will select appropriate courses in either the summer or fall semester and complete college registration forms. Students will have first choice for courses in the fall semester to accommodate their scheduling needs.
Meade High School and AACC	One of the newest initiatives that has been implemented is the Meade Succeeds project. This is a collaborative effort that combines Accuplacer diagnostic testing with targeted AACPS tutorial programs to 12th grade ELL and students with IEP's at Meade High school. The intent of this program is to make students more successful in Algebra II in high school, and to reduce the number of math developmental requirements when these students are entering college.
McCabe Bridge Partnership Program	The Bridge partnership (AVID program) is collaboration between all of the public high schools in Anne Arundel County and Anne Arundel Community College to give the Accuplacer placement test to all 10-12th grade students in the AVID program (Advancement Via Individual Determination). Results are interpreted to all students involved and to the AVID teachers. Intervention activities are implemented (online tutoring) to improve high school success and to make more students college-ready at the end of 12th grade. Last year 818 students participated.
Kids in College	This program provides academic enrichment in the areas of arts, music, theater and dance, computer science, culinary, science, world languages, and sports.
W.A.G.E.S.	W.A.G.E.S. is a resource program offered to students at North County High School for the economically and academically disadvantaged. These and students with Individualized Education Program diplomas (IEP) qualify for free or reduced lunches.
Career Research and Development Program	The Career Research and Development Program is a county-wide high school curriculum for students academically at risk of not completing high school.
College Bound Non-Profit Organization	This organization offers free academic enrichment and resources to students in grades 8 through 12 with the goal of preparing them to be successful in college. Services include tutoring, mentoring, ACT/SAT preparation, and academic and career guidance.

Baltimore City Community College

Title	Description
Middle School Programs	
Middle School Science Camp	Fun science program to engage students in science.
Early College/dual enrollment	Start College early course. Participants are charged \$88 per credit hour plus books. Approximately 150 students participate.
Mentoring at Cecil Elementary and Edgcombe Circle Elementary and Middle Schools	Early college mentoring program
Youth Day – Middle Schools	College readiness program for middle schools are invited to campus each year to attend a BCCC basketball game, admissions presentation and campus tour. Approximately 300 students participate annually.
High School Programs	
Talent Search High School Program	<p>Educational Talent Search identifies and assists students in Baltimore City Public Schools in grades nine through twelve who have the potential to succeed in higher education. The program provides academic, career, and financial counseling to participants and encourages them to graduate from high school and continue on to the postsecondary school of their choice. Talent Search also serves high school dropouts and college stop-outs by encouraging them to re-enter the educational system and complete their education. The primary goal of Talent Search is to increase the number of youth from underrepresented group to complete high school, enroll in, and complete postsecondary education.</p> <p>BCCC Talent Search serves students at two target high schools, as well as students enrolled in high schools throughout the city. Students at the non-targeted high schools had the benefit of the Talent Search early intervention services while in middle school and upon entering high school, through citywide competition, they were selected for admission to non-targeted schools of their choice.</p> <p>For five years, more than 90% of the participants have graduated from high school in four years and more than 90% have entered postsecondary education within one semester following high school graduation.</p> <p>Talent Search offers the following direct services:</p> <ul style="list-style-type: none"> • Academic, career and personal counseling including advice on entry or re-entry to secondary to secondary or postsecondary programs

	<ul style="list-style-type: none"> • Assistance in developing an Individual Success Plan • Career exploration and aptitude assessment • Technology training • Visits to two-year and four-year college campuses • Recommendations for early college residential and non-residential programs • Information on federal, state, institutional and private financial assistance • Assistance in completing college admissions and financial aid applications • Financial Literacy for Youth • Mentoring • Linkages with other programs for academic, social, and cultural enrichment
Upward Bound	Upward Bound is designed to help high school students reach college by providing academic and personal support and guidance. Each year the BCCC Upward Bound program serves more than 85 students recruited from Baltimore City area high schools. Eligible students live in households where parents or guardians do not have a degree at or above the bachelor's level. BCCC Upward Bound program consists of Saturday sessions, after school tutoring, a six-week summer residential program and a college bridge program. At the heart of the program is academic study in reading, composition, literature, math, science and study skills, in addition to test preparation for the HSA, SAT, ACCUPLACER and ACT. Individual and group counseling on personal and academic matters and financial aid information are readily available. Additional program services include College Exploration and visits, Career Awareness, Leadership and Cultural activities. The program serves young people in grades 9 through 12 in addition to summer bridge college students. The program is grant funded.
Teen Focus Forum	College readiness program for 9 th graders from Frederick Douglass and Carver High Schools.
Baltimore Alliance for Careers in HealthCare Program	Edmondson-Westside High School students taking Developmental Math 81 course at the high school.

Carroll Community College

Title	Description
Middle School Programs	
Shiloh Middle School STEM Initiative:	The low turnover of graduates pursuing in the area of Science, Technology, Engineering and Mathematics (STEM) has not only been a concern at the local, state but also at the national level. It has been observed by professionals in academia that a majority of students decide on the career sometime in middle school. Moreover, a survey was done by Shiloh Middle School,

	<p>Hampstead Maryland that reflected the same analysis but also raised an alarming discovery that these students had pre-determined whether they would pursue college education or get a high school degree while they were in middle school.</p> <p>At the college level, it was recognized that the college students related the content learned in the classroom better if involved in hands-on activities. A collaborative effort between the Departments of Mathematics, Sciences and Education at the Carroll Community College with the mathematics teachers of Shiloh Middle School resulted in 45 college students visiting the middle school with interesting hands-on activities and also serving as mentors for that short time period to the 255 middle school students.</p> <p>The goal of the program is as follows:</p> <ol style="list-style-type: none"> 1. Inform the students as to the importance of mathematics and statistics in the research of drug discovery for diabetes via a keynote speech at the start of the program, 2. Engage the middle school students with the college students during the first session as to the value of college education and how such an education will help the college student both in terms of financial and professional strength, 3. Engage the middle school students during the second and third sessions to the value of mathematics in real-world situations, 4. Engage the middle school students during the fourth session to the value of mathematics in the field of sciences <p>The middle school students and teachers were also given a packet of suggested activities that they could use in their classes at a later appropriate time. Approximately 255 students participated last year.</p>
Coordination with Homeschool Office for Carroll County Public Schools (CCPS)	The College consults with Carroll County Public School's Supervisor of Student Services and Special Programs to review all options available to homeschool students working at CCC. CCPS provides oversight both in middle and high school. Carroll Community College created and maintains a homeschool brochure, which is approved by CCPS and distributed as appropriate.
Carroll County Transitions Fair	Carroll Community College serves as host for an annual event each spring, co-sponsored with Carroll County Public Schools. The Office of ADA Support Services participates as an Exhibitor. Along with information table and display, giveaways, and pertinent information and resources students will need for transition planning to college and work. All Carroll County middle schools were invited to participate.
Summer Kids @ Carroll	Week-long summer enrichment programs target middle school aged youth. Highlights of programs for middle school youth are: (1) career camps including programs on engineering, teaching, veterinary science, business, health care; and (2) world view camps such as Model United Nations and Empires and Aliens focusing on team work to problem solve current global issues. Over 300 student participated last year.
High School Programs	
Early College/dual enrollment	Start College early courses are offered at the cost of \$103 per credit hour plus books. Approximately 150 students participated from the 12 area high schools.
Accounting - transcribed credit	Carroll Community College has worked closely with Carroll County Public Schools to provide transcribed credit for certain students who complete Accounting 1 and 2 through CCPS. Over a several year period, faculty from Carroll Community College

	and CCPS worked to align the curriculum in the high school with the college curriculum for the first of two courses in the Principles of Accounting sequence. Students who achieve a grade of at least B with CCPS are eligible to take the standardized departmental final for ACCT 101 from Carroll Community College. Students who achieve at least a 70% on this final examination are awarded transcribed credit from CCC.
Project Lead the Way (PLTW)	Starting in their junior year of high school, students in the Project Lead the Way (PLTW) program from all Carroll County high schools complete five engineering courses at the Carroll County Career & Technology Center. At the end of the capstone course, Engineering Design and Development, the students give a brief presentation about their engineering project. Our institution has worked with these high school students in two ways: 1) Maria Burness, Engineering Faculty Advisor and Mathematics Department Chair, volunteers as a professional panelist to provide constructive feedback to the students regarding their engineering design projects. In the past, we have had science faculty volunteer to mentor the students with their engineering projects and 2) Carroll Community College hosted this event for the PLTW students in January 2011 and plans to continue hosting it in the future. This event occurs twice a year.
Writing Portfolio Alignment Project	In 2010-2011, Carroll County Public High Schools piloted a portfolio-based writing curriculum to align with Carroll Community College's portfolio-based writing curriculum. All high school students in Carroll County now compile a High School Writing Assessment Folder during their four years of secondary education, which the college plans to pilot as an alternative or auxiliary placement tool in the future. Approximately 2,300 seniors participated last year.
Education and Early Childhood Information Sessions at High Schools	Education faculty members, upon request, visit Teacher Academy of Maryland and Early Childhood Education classes in Carroll County Public Schools. The presentation highlights the EDUC and ECE profession/degree programs as well as addresses high school student questions. Often, Carroll Community College EDUC and ECE students co-present with faculty members, giving a first-hand account of the college experience. On campus, Education faculty members present to high school early childhood students who plan to attend CCC and have completed the college placement test the Education Department and Admissions sponsor an Education Open House for TAM and ECE students each semester. The purpose of this program is for high school students to learn more about the Education articulations and degree programs at Carroll Community College through faculty and student presentations.
Design Studio	Carroll Community College held its first Design Studio in the Summer of 2011. The Design Studio was a rigorous one-week studio experience for high school students interested in a career in Graphic and Multimedia Design. This program was offered at all Carroll County High Schools.
Senior Show	The Art Program mentors High School Art Honors students who are graduating seniors by turning the Gallery in the Scott Center over to them at the end of the Spring semester. With guidance from the art curator for the college, and their instructor, students submit, jury, arrange and hang their own Senior Show. This program gives students the opportunity to create a real exhibit in a professional and dedicated gallery.
Entrepreneurship Conference	IT CareerPaths is an intensive four day continuing education program for high school students interested in an Information Technology career. The program exposes students to various technologies through hands-on exercises, and then reinforces their experience by visiting information technology departments of area businesses to learn how real world, cutting edge technology is utilized.
Drop-in Opportunity	On campus programs that allow prospective students and their families to visit the campus, tour the campus, gather and collect information about college, the enrollment process, and programs in a drop in format. Information tables are staffed by

	faculty and professional staff and information sessions are offered as optional for attendance, i.e.: admissions and financial aid; what to expect outside of the classroom; honors program.
High School Testing Dates	On campus placement testing offered to high school students (targeting juniors) on days off, early dismissal days and Saturdays. They are offered during these times as an incentive to students to test early during their junior year, particularly if they are considering Concurrent Enrollment during their senior year. Early testing allows them to remediate, if appropriate, during their junior year and then re-test.
College Fairs	The College provides staffing and/or presenting at local high school fairs that allow prospective students to gather and collect information about college; the enrollment process; and program offerings. Students also listen to and collect how to begin the college process information at these fairs.
High School Visits	The College offers small information sessions at local high schools that allow prospective students to gather and collect information about college; the enrollment process; and program offerings. Students also listen to and collect how to begin the college process information during these optional visits.
County Wide College and Continuing Education Fair	The College co-hosts, along with public high school counseling offices, a county wide College Fair each fall. This fair hosted 140 colleges and universities for families in the community to gather college information all in one setting.
Financial Aid Night	Presentation to 10th, 11th and 12th grade students and their parents on the availability and application process of financial aid and scholarships. Approximately 800 students participate each year.
Mock Interviews	The admissions office participates in mock interviews at many local high schools. Mock interviews are required of high school juniors as part of their junior advisory to give them experience with prepping for an interview, actual experience, writing a resume, understanding transferable skills, etc. Approximately 300 students participated last year.
Concurrent Student First Advising Session	The admissions office conducts either in person or virtual First Advising for students to receive their college placement test scores, and information about college policies, procedures, etc.. prospective high school students that will take classes at the College during their senior year while completing high school requirements, then meet one-on-one with an Admissions Professional to register for courses and finalize this enrollment and high school approval process.
ADA Information Session: Transitioning Toward Independence	Information session/power point presentation scheduled on a bi-annual basis (during the Spring and Fall) that targets audience consisting of high school students, parents, and/or K-12 Special Educators. Location varies between local high schools and/or Carroll Community College during Open House and similar events.
Annual ADA Services Transitions Information Mailing	Each spring, the Office of ADA Support Services mails packets containing the most pertinent, up-to-date information required for students transitioning from high school to postsecondary education directly to the Chairs of Special Education Departments at all county (high) schools. This information includes most the recent documentation requirements, overview of transition/intake process for students with disabilities, overview of services offered, information on Placement Testing, important contact information and important dates/deadlines to know, etc. Information is then distributed from high school Special Education Departments or Guidance Offices.

Cecil College

Title	Description
Middle School Programs	
Passport to Education	The college hosts a program for 5 th grade students and their parents as they transition to middle school. In-school activities are provided to highlight information regarding academic pathways and rigor. The college also hosts an on-campus program where students and parents attend college classes, meet with college students, and explore the college through a scavenger hunt.
Career Blast	The College launches a county-wide program focusing on career awareness and exploration in all county middle schools. The program includes in-school workshops for students, parents orientation, and a career fair hosted on the college campus.
STEM and Beyond	The College and public schools launch a program to excite and engage students in grades K-12. The program is sponsored by participants of the APG STEM Summit initiative. The program has 40 interactive workshops offered to create awareness and excitement about STEM careers. Parents are included from the onset to ensure that students hear consistent messages at home and school.
High School Programs	
STEM Academy	Approximately 85 STEM academy students can complete college level science and math in their senior year at a 66% reduction in tuition. The collaboration with the public schools embeds science and math courses in the high school curriculum so that Academy students can graduate high school with 12-16 college credits.
College Bound & On-Site Courses	Approximately 150 high school juniors and seniors complete college courses at a 50% tuition reduction each year. Participants may enroll in classes offered on the college campus or courses that are delivered by college faculty on site at the county high schools.
Placement Testing	Each year all high school juniors complete the college's placement tests (COMPASS). Test results are used by the high school to determine academic preparation that can be completed prior to graduation.

Chesapeake College

Title	Description
Middle School Programs	
Campus Contest Middle School Competition	Students from three middle schools in Dorchester County participated in teams in a Science, Technology, Engineering and Math (STEM) competition. Sessions included computer programming, math contests and tower building (engineering), in addition to college preparation.
Middle School Achievement Awards	The College partners with Kappa Theta Omega Chapter of Alpha Kappa Alpha Sorority to honor minority eighth-grade students from the five-county region who excel in academic and extra-curricular activities. Ten middle schools from five counties participated, with 50 students being recognized in 2011.
High School Programs	
Dual Enrollment Program	College partners with high schools in five-county region to offer access to Dual Enrollment Program, including on-site placement testing and advising at the high schools and 25 percent reduction in tuition. Students pay 75% of the tuition costs plus fees.
Open House for High School Students	The college hosts over 300 high school students from the region's nine public and three private high schools. The event includes an academic fair, breakout sessions that feature topics including preparing for college, selecting a major, and panel discussions that include current college students along with faculty members, campus tours, and fun outdoor activities.
College Preview Days	Seniors from local high schools are invited to a special day where they can complete all the activities that need to take place in order to register for college in the upcoming semester. Testing, advising, registration, campus tours, financial aid filing assistance and other activities take place. Each high school interested in this program has their own "day" so that students can receive one-on-one attention. Sixty students from three area high schools participated in Spring 2011.
Eastern Shore College Night	The college hosts over 1,000 high school students and their parents for an event that includes representatives from as many as 160 colleges and universities across the country in one place. Students can obtain information, ask questions, and find out how to begin the process to apply to college and for financial aid.
College Awareness and Preparation Days	This event, intended to help middle school students begin thinking about and preparing for college, involved six middle schools in three counties serving 563 students. Topics included the importance of a rigorous high school curriculum, opportunities for college involvement while in high school, and time management/prioritization skills. Follow-up activities included financial aid preparedness nights, targeting parents and emphasizing the importance of planning financially for college.
Math Bridge Program	The Math Department works with the mathematics teachers in Queen Anne's County to prepare students who have been unsuccessful in Algebra II for credit – level math at Chesapeake. Outcomes in the bridge classes are identical to those of the college's highest developmental math class.

Mapping your Future	Selected juniors from area high schools come to Chesapeake for testing and advising, as well as campus tours and lunch. The college is seeking to share this cost with the local school system.
Writing Alignment	English faculty meets with teachers from local high school English departments to discuss alignment of expectations between high school and college curricula.
Honors program	Director of the Honors Program visits areas high schools to explain and recruit for Chesapeake College's Honors Program.
Tech Prep	Chesapeake has articulation agreements with all five service counties in areas such as: Early Childhood Development, Teacher Education Academy of Maryland, Computer Aided Drafting and Design, Culinary Arts, Agribusiness, Manufacturing Technology, Architecture/Drafting, Computer Information Systems, Information Technology, and Business Management.

College of Southern Maryland	
Title	Description
Middle School Programs	
Destination College 5th Grade	An opportunity for 5th grade students to visit the campuses of CSM and participate in hands-on presentations and activities put on by CSM faculty. At the end of the day students receive a certificate of acceptance to the College of Southern Maryland upon completion of their high school diploma.
Destination College 7th Grade	Students have the opportunity to participate in a sample college class, meet with a panel of current CSM students, and tour the campus.
Robotics Challenge Junior Division	To encourage STEM-related active learning activities, CSM has hosted a Robotics Challenge each year since 2007. This division uses the LEGO Mind-storm Robotics Systems as the competition platform.
High School Programs	
High School Math Articulation Program	One of the CSM math faculty works with the teachers of math in the tri-county area as the math articulation coordinator to discuss best practices and create alignment between high school math courses and college courses in developmental, transitional, and college-level math. The collaboration includes a workshop held each summer to review outcomes from the previous year, revisions, if any, to the curriculum, and results of the data analysis. Students may elect to take as a dual enrollment course whereby students pay half tuition, or as an articulated credit course whereby students pay no tuition.

High School English Articulation Program	Three CSM English faculty members work with the teachers of English in the respective counties as English articulation coordinators to discuss best practices and create alignment between high school English courses and college courses in developmental English. Specifically, a college prep English course was created, and the CSM coordinators work with the high school teachers to ensure that students who select this course in their senior year attain college-level English competency. The collaboration includes a workshop held each summer to review outcomes from the previous year, revisions, if any, to the curriculum, and results of the data analysis. Each semester, a team of high school teachers and college faculty also grade the exit essays of the students taking this course at the high school. Students may elect to take as a dual enrollment course whereby students, pay half tuition, or as an articulated credit course whereby students pay no tuition.
Robotics Challenge Senior Division	To encourage STEM-related active learning activities, CSM has hosted a Robotics Challenge each year since 2007. This division is affiliated with the VEX Robotics Competitions (VRC). This partnership allows the winners of the tournament to represent Southern Maryland at the VRC World Championship.
Tech Prep Senior Day	A day-long event for seniors in tech prep programs in the tri-county area to visit the La Plata campus of CSM to meet with faculty and enrollment advisors for presentations and information on program articulation, financial aid, and admissions requirements, and to tour the campus.
Tech Prep Underclassmen Day	A day-long event for sophomores and juniors to participate in activities related to various tech prep careers and to meet with faculty and staff at CSM.
Women + Math Conference	The conference serves to increase awareness of women's ongoing contributions in STEM. It offered a keynote speaker, 14 sessions by presenters from such diverse areas as architecture, computer science, veterinary medicine, nuclear security, financial planning, and aerospace engineering, along with a parent/teacher workshop and an essay contest worth \$250 to each of the two winning essays.

Community College of Baltimore County

Title	Description
Middle School Programs	
College Gateway Partnership	The College Gateway Partnership is a collaboration between CCBC and Baltimore County Public Schools (BCPS) to provide a full day of college awareness activities on a CCBC campus for eighth grade students. The college awareness activities include an admissions presentation, a BCPS lesson (sample Accuplacer, sample course schedule, and a sample course syllabus), career exploration, faculty presentation, campus tour, and lunch. Approximately 1,455 students participated in the event last year from 8 middle schools.

High School Programs	
Campus Visitation Days	Campus Visitation Days provide prospective students the opportunity to visit a CCBC campus to learn about the important reasons to attend CCBC, to meet with faculty, staff and student leaders, and to experience the college environment and college life.
College Connection	College Connection provides exploration sessions at the high school for juniors and seniors to examine career options, choosing a major, determining short and long term educational goals, financial planning, and special decisions related to the college admissions process.
Annual College Fair	The Annual College Fair provides a marketplace of college, university and military recruiters to meet with high school prospects and parents at CCBC Catonsville and CCBC Essex. College Fair is co-sponsored by CCBC and BCPS.
Instant Admissions	Instant Admissions is an opportunity for high school seniors interested in attending CCBC to apply and be admitted instantly at the high school. Students meet with an Admissions Counselor to complete the admissions application and receive information about the “next steps” in the enrollment process including placement testing, financial aid, academic advising and registration for classes. Approximately 1,777 students entered CCBC through this process last year.
Parallel Enrollment Program	The Parallel Enrollment Program (PEP) provides high school juniors and seniors the opportunity to begin their college education while attending high school. PEP students save money on a quality education at CCBC, earn credits toward an Associate’s degree, experience college life first-hand by participating in Student Life activities, studying in SMART classrooms, and taking advantage of free tutoring. Student pay 50% of county tuition. Over 1500 students participated last year.
PEP Information Day	PEP Information Day provides prospective students information about PEP, support services, college activities, and the enrollment processes. These presentations are conducted at the high schools.
PEP Testing Day	PEP Testing Day is a field trip opportunity for prospective PEP students to visit a CCBC campus to take the Accuplacer placement test, meet with an Academic Advisor to discuss placement test results and the next steps to register for classes, and enjoy lunch in the cafeteria.
CCBC Day	CCBC Day is a recruitment/outreach event that showcases the college’s academic and career programs, CEED and enrollment services at the high school. Students have the opportunity to talk to faculty and staff and are provide information about CCBC, admissions, PEP, financial aid, placement testing, academic advisement, athletics, and student activities.
College Pathway Program	The College Pathway Program provides meaningful college awareness activities that engage BCPS 10 th grade students to examine the advantages of choosing college as a pathway to their future. Agenda topics include college perceptions, personal finance and financial literacy, the college classroom experience and expectations, career exploration, campus tour, and lunch.
Annual CCBC/BCPS Partnership Breakfast	The annual CCBC – BCPS partnership breakfast meeting celebrates the numerous partnerships and reinforces the common goals and cooperation between CCBC and BCPS. BCPS administrators, high school professional school counselors, and CCBC administrators and staff attend this annual event.
Diploma to Degree Program	CCBC and BCPS launched another partnership with the Diploma to Degree (D2D) Program which allows high school students to simultaneously earn an Associates of Arts in General Studies and a high school diploma.
Pre-College Courses	CCBC and BCPS have jointly created pre-college courses in Math, Reading and Writing. These courses are designed to help BCPS students enter directly into CCBC credit course work after graduating from high school.

Frederick Community College

Title	Description
Middle School Programs	
Life After Middle School	Presentation to parents of middle school children encouraging them to look toward their child's future to ensure that decisions made as they enter high school were appropriate for the child's post-secondary education plans, e.g., college readiness planning.
High School Programs	
College and Career Ready Task Force Report	This task force addressed collaborative efforts to improve the college and career readiness of Frederick County high school students. From academic intensity to redesigning senior year student scheduling and academic opportunities, this report provides a blueprint of opportunities directly related to improving completion rates. The report will become a working document at a Collaboration Tea in April. This event provides planning time for faculty, administrators and staff from FCC and Frederick County high schools.
Regular Meetings	Staff from the College's Multicultural Student Services program meet on a monthly basis with underrepresented students at Tuscarora High School. The focus of the program is on increasing the college attendance of the population, addressing issues of readiness, and providing transition services such as assistance with Financial Aid application, etc.
Concurrent or Dual Enrollment	Concurrent or dual enrollment programs are available for high school juniors and seniors. Approximately 675 students participated from 10 high schools.

Garrett College

Title	Description
Elementary School Programs	
College and Me	Each 5th grade class is bused to the campus every day for a week. Students participate in various activities that introduce them to different programs of study. We have representatives from different programs do presentations and projects with the kids. Students pay 50% of the College's per credit hour tuition plus fees. Students pay 50% of the College's per credit hour tuition plus fees.
Middle School Programs	
Career Day	All 8th grade students are bused to the campus for a day where they get to explore their career options. A wide variety of people working in different industries come to campus to share their experiences and what they do on a normal work day. Students pay 50% of the College's per credit hour tuition plus fees.
High School Programs	
Dual-Enrolled Courses: English 101-102, Statistics, Pre-Calculus	High school students who evidence readiness through completion of the College placement indicator may be admitted to specific college courses and earn both high school and college credit upon satisfactory completion of the course(s). Dual enrollment courses currently are offered via Interactive Television (ITV) to Northern Garrett and Southern Garrett High School students at the College or on high school campuses. Students who wish to pursue dual enrollment must meet with their high school guidance counselor in the junior year to determine eligibility for the following school year. Dual applicants will complete the High School Dual Enrollment application/registration form. Placement testing for dually enrolled students is required and will be administered in the student's junior year.
High School Students On a Modified Schedule Taking College Courses	High school students who evidence readiness through completion of the College placement indicator may be admitted to specific college courses and earn college credit upon satisfactory completion of the course(s). These students may take high school courses at their school in the morning or afternoon then drive to Garrett to take additional courses that are for College credit only.
Early College Admissions Program	Students currently enrolled in high school may be eligible for special admission to the College under the Early College Admissions Program (ECAP). High school students must be pre-approved by the Garrett County Board of Education to enroll at the College full-time as an alternative to their twelfth grade in order to complete a high school diploma. Interested students are required to meet with their high school guidance counselor to review eligibility requirements prior to applying for admission to the College. Once documentation of approval is in place, the Director of Admissions will assist the applicant with registration. Prior to

	registration, a completed Parent/Guardian Release for Students Under 18 form must be on file for ECAP students under the age of 18. Garrett County Scholarship Program pay for up to 8 credits each semester for seniors. Students pay 50% of the College's per credit hour tuition plus fees over 8 credits.
College Expo	Every fall Garrett College's Admissions office works together with the Garrett County Board of Education to bring approximately 40 colleges on campus for local high school students (primarily Seniors) and their parents to come talk to. This gives students a chance to look at their college options without traveling. Garrett College and the Garrett County Board of Education share the costs.

Hagerstown Community College

Title	Description
Middle School Programs	
STEM Career Days for students and staff	Students from a private elementary/middle school visited the College campus and were introduced to a variety of STEM programs. A follow-up activity occurred when several HCC faculty participated in the elementary school's professional development day to make all the teachers at the school aware of our program offerings in the STEM fields.
College for Kids	College for Kids offers summer courses that provide rich learning experiences for elementary and middle-school aged children in multi-week blocks from June through early August. Student pay approximately \$140-\$160 per course.
WCPS Elementary and Middle School Guidance Counselors Meeting at HCC	As part of a regular monthly meeting of Washington County Public Schools (WCPS) elementary and middle school guidance counselors on HCC campus, HCC Admissions and Registration staff and Academic advisement staff meet with WCPS counselors to share information regarding HCC programs and processes that are important to high school students.
High School Programs	
ESSENCE Program	The ESSENCE (Early Support for Students to Enter College Education) program is a partnership between local public and private school systems and Hagerstown Community College (HCC) that provides academic high achievers the opportunity to earn college credits at a discounted tuition rate while still in high school. ESSENCE students may take classes at HCC's main campus and/or in dual enrollment classes offered at area high schools. The dual enrollment classes (including but not limited to Introduction to Education, ESL Listening and Speaking, ESL Grammar, Sociology, Psychology) are those that award both high school and college credit. Only courses taught in WCPS high schools are included on the student's high school transcript. About 700 in-county

	students participate and another 200 out-of-county students. In-county students pay 50% of the tuition costs and there is a reduced rate for out-of-county students.	
Articulation Agreement	Annually, faculty from HCC and WCPS meet to discuss, update, and refine the current articulation agreements for the subsequent academic year. HCC/WCPS Articulation Agreements have grown to include a wide array of courses and programs. Ranging from mathematics, foreign language, information technology and other courses offered at most county high schools to specific programs and courses offered at Washington County Technical High School, the Barbara Ingram School, and various WCPS academies, college credit articulation opportunities are available to Washington County students who seek to complete programs at HCC.	
College Readiness in Math and English Composition	HCC and WCPS staff and faculty have collaborated on a pilot basis to align WCPS and HCC curriculum in composition and mathematics curriculum. As a result, the content and outcomes of specific composition and mathematics courses offered in the high school now provide students with enhanced readiness for entry-level, general education math and English courses at the college level.	
HCC Biotechnology Summer Institute for Science Teachers	Fifteen teachers from across the region participated in the third annual Biotechnology Summer Institute for teachers. Some of the teachers were veterans of the Institute and others were rookies. They came from private and public schools in West Virginia and Maryland to the HCC campus from June 20-July 1, 2011. The Institute, which was funded by the National Science Foundation, also received donations from BioRad and Edvotek. Institute activities focused on using biotechnology in environmental and medical settings. The teachers plan to incorporate biotechnology into the curricula at their respective schools.	
HCC Biotechnology Institute for High School Students	Twenty local high school students were selected to participate in the Biotechnology Summer Institute sponsored by the National Science Foundation. This 8-week program was held on HCC's campus from June 10 through August 4 and featured two field trips to local biotechnology laboratories such as MedImmune, the J. Craig Venter Institute and NCI Frederick. Students who were accepted also completed two courses totaling 7 college credits: Introduction to Biotechnology (BTC101) and Principles of Biology I with lab (BIO113). The tuition cost is shared by NSF and HCC.	
HCC instructors present at WCPS "in-service" professional development activities	Several HCC math and science faculty have presented at WCPS spring and fall professional development "in-service" activities. Topics include explanation of HCC math and science programs and alternate strategies for incorporating math instruction into science courses.	
WCPS High School Guidance Counselors Meeting at HCC	As part of a regular monthly meeting of WCPS high school guidance counselors on HCC campus, HCC Admissions and Registration staff and Academic advisement staff meet with WCPS counselors to share information regarding HCC programs and processes that are important to high school students.	
HCC Recruitment Coordinator visits high schools	The HCC Recruitment Coordinator visits local high schools multiple times throughout the academic year to explain HCC programs to individuals and groups of students and to provide information that will help students prepare for the transition from high school to college.	

Learning Community Steering Committee	Established in 1999, the HCC/WCPS Learning Community Steering Committee continues to meet quarterly on the HCC campus. Approximately two dozen staff and faculty from HCC and WCPS meet to communicate regarding cooperative inter-institutional efforts to encourage and assist students in the completion of their educational programs. Collaborative efforts arising from this venue over the past decade have resulted in many of the programs and activities mentioned in this report.
Kepler Scholar Leadership Program	An outgrowth of the Learning Community Steering Committee, this program allows selected high school students to enroll in HUM-101 "Special Studies in Leadership." Students study a variety of leadership topics based on the Phi Theta Kappa leadership development program, participate in a trip to Annapolis and visit the state legislature,
Career Days	College Career Days are half-day conferences sponsored by the HCC Learning Community for Washington County Public Schools and have included Biotechnology, Cyber Security and Information Assurance, Teaching and Education Careers, Health Professions, Computer and Information Technology Careers and Legal, Commercial Vehicle Transportation, and Law Enforcement Careers. On each of these days, approximately 150 students per day from area high schools come to the HCC main campus for a program prepared by HCC faculty in their given discipline. These programs involve an average of 50 faculty and student services staff cooperatively promoting the image of the College. Lunches and transportation are provide by HCC.
College Fair	Annually, HCC and WCPS co-sponsor a College Fair held on the HCC Campus. WCPS and other area students have the opportunity to obtain information and meet with recruiters from more than 100 post-secondary educational institutions.

Harford Community College

Title	Description
Middle School Programs	
21st Century Community Learning Center	Approximately 100 disadvantaged middle school students and 20 parents visit HCC campus for a program entitled "You Can Attend College." Admissions, Advising, and College Life offices collaborate to offer students an overview of the advantages and opportunities associated with attending college. Parents learn about how to support and encourage their child's future college attendance.
High School Programs	
Articulation w/ HCPS Homeland Security Program	Harford Community College has an articulation agreement with Harford County Public Schools (HCPS) that provides graduates from the HCPS Homeland Security Program 3 credits for CJ 101: Introduction to Criminal Justice upon completion of 3 credits in the HCC Criminal Justice Program.

Howard Community College

Title	Description
Middle School Programs	
Early College Awareness	Students from Mayfield Woods and Burleigh Manor Middle Schools visit campus for a day.
Early Health Career Exploration	Middle school students visit the campus and explore health careers for a day by working in the nursing, cardiovascular and radiologic technology labs.
High School Programs	
College Readiness	This initiative is a curricular alignment program with the Howard County Public School System (HCPSS) in which the College administers its college placement test, Accuplacer, to 11 th grade students. The goal is to increase college readiness by providing information and interventions in high school effective enough to decrease the number of high school students placing into developmental courses. In the English testing project, the College administers its English and Reading placement tests to 11 th grade students enrolled in “Regular” English 11. College faculty advises students after the testing. Students who place into college-level English are advised to enroll in Advanced Placement English or enroll in College Writing at HCC. Students with college level placements who subsequently enroll at HCC do not retest. Students who do not demonstrate college-level results receive academic advising and targeted interventions through HCPSS. Students tested are starting to enroll at the college. Preliminary data indicate that students generally benefitted from the targeted interventions; they are placing into college level courses. Additionally, the College has three high schools mathematics testing projects. In one, the College encourages students in career technology programs to enroll in an algebra based mathematics course during their senior year in high school. In this project, the College administers its math placement test to all 11th grade career students in the school system. Mathematics faculty members meet with students after the testing to interpret results and assist with course selection for 12th grade. The other two mathematics projects are using Accuplacer in a pre-test/post-test format to assess progress toward college readiness. In one project, a CD with enrichment problems has been provided to each high school for teachers to use with their “Introduction to Functions & Trigonometry” classes. These problems are intended to provide teachers with quick access to drill questions on basic algebra topics. The third mathematics testing project focuses on a new HCPSS senior year mathematics course incorporating objectives from HCC’s developmental algebra program. Three high schools each have one class piloting this new course. The College and school system plan to analyze the mathematics data, in order to determine future interventions.
Star Talk	A summer program that offers college level course work in the critical languages of Arabic, Mandarin Chinese, Hindi, and Persian to 75-80 students annually.

Freshman Focus	The Freshman Focus Program is for high school seniors who plan to attend HCC. The program helps students be admitted, advised, and registered prior to the hectic pace of general registration. Students complete the college registration process prior to high school graduation. Over the past several years students in the program have had an 80% or higher retention rate. The program was named Outstanding Advising Program by the National Academic Advising Association, the first community college advising program to receive this recognition.
Dual/ Concurrent Enrollment	High school students enroll in college level courses while still in high school.
Project Access	The purpose of Project Access is to improve the delivery and outcomes of postsecondary education for individuals with disabilities. Project Access is designed to significantly facilitate the transition of high school students with disabilities into postsecondary education, to increase the success rate and retention of freshman students with disabilities at Howard Community College and to improve career counseling and job placement services for students with disabilities

Montgomery College	
Title	Description
Middle School Programs	
"Portraits of Life"	This documentary project that shares the stories of Holocaust survivors who have lived in and around Montgomery County and has been exhibited at Poolesville, Wheaton, and Gaithersburg high schools as well as Eastern and Westland Middle Schools. The exhibit serves as a ready resource for students who are studying the Holocaust as part of their core curriculum.
Back to School Fair	Partner with Montgomery County Public Schools' Back-to-School Fair is a way to welcome students and families to a new school year, share information about school system programs, provide access to community resources and have fun at the same time.
<i>Prep Talk</i>	<i>Prep Talk</i> is a newsletter that is distributed to the parents of all MCPS middle and high school students. The newsletter helps students and parents understand how students can prepare for college. It also provides tips on the application process for college and financial aid, provides information on SAT preparation, and allows parents and students to have their first contact with Montgomery College.
STAR Scholarships	STAR Scholarships are designed to encourage middle and high school African American students to continue to excel academically through their high school careers and onto college. The awards are based on merit, and the competition is intense. African-American and black high school students can compete annually for scholarships in the ninth, tenth, and eleventh grades, giving them the potential to earn up to \$3,000 toward their education, by winning the scholarship for three consecutive years. When a

	student wins a scholarship, the money is held in trust by the STAR Scholarship Foundation until the student enrolls in an accredited college or trade school.
High School Programs	
GPS to College	Guiding the Pathways of Success (GPS) is a one-week precollege summer program, developed in partnership with leaders from Montgomery County Public Schools, Montgomery College and Universities at Shady Grove. The goal of the program is to enable scholarly, underrepresented minority, potential first-generation college students to navigate the college admissions and application process and successfully apply and enter a postsecondary institution upon high school graduation. During this one week program, a variety of topics are covered and include: developing an academic resume; preparing for college placement and admissions testing; seeking and securing financial assistance; obtaining early college credit, and more.
Gateway to College	This program offers students a second chance to earn a high school diploma while earning college credits at Montgomery College. Students receive personal counseling and guidance, assistance with problem solving, and time and stress management. The program provides students at risk of not graduating with the opportunity to earn a high school diploma while transitioning to a college campus. Students may simultaneously accumulate high school and college credits, earning their high school diploma while progressing toward an associate degree or certificate. Students in the program often face significant life issues: substance abuse, depression and mental illness, chronic medical issues, suicide attempts, learning disabilities, legal and probation concerns, teen pregnancies, teen parenting, sexual abuse, or previous incarceration. Over 60% of the students served in this program are minority students. Funded initially through a Bill and Melinda Gates Foundation Grant, the Gateway to College Program at Montgomery College is the only program of its kind in the state.
Using the ACCUPLACER Diagnostic to Increase College Readiness and Success	Of the approximately 10,000 seniors who graduate MCPS annually, between 25 and 27 percent, attend Montgomery College (MC). The number of students needing developmental course work is concerning for all stakeholders. In an effort to decrease the number of students who take the ACCUPLACER and do not meet the scores of college readiness, MCPS and MC joined forces to pilot an initiative that increases awareness about this college placement test through high school staff, parent, and student orientations; increase preparation for the placement test by using the ACCUPLACER Diagnostic, and provide specific interventions for students based on the ACCUPLACER Diagnostic data. Approximately 800 students participated last year. Early results are promising.
College Institute	High achieving seniors earn college credits by taking college courses taught by Montgomery College faculty during the regular school day. The program extends opportunities beyond Advanced Placement level and allows students to earn up to 30 college credits at their high schools. African American and Hispanic/Latino students make up well over 50% of the student body at three of the four schools served by the College Institute. Currently, the program is offered at Gaithersburg (57.3% African American and Hispanic/Latino population), Kennedy (77% African American and Hispanic/Latino population), Seneca Valley (53.8% African American and Hispanic/Latino population), and Thomas S. Wootton high schools.
Institute for Global and Cultural Studies	This is a unique collaboration among Montgomery College, Montgomery County Public Schools (Wheaton High School), and the University of Maryland, Baltimore County (UMBC). It is located in one of the most impacted schools in Montgomery County; 87.4% of the student population at Wheaton High School is African American and/or Hispanic/Latino. IGCS is a humanities-based pathway to higher education that provides students access to a rigorous program of study, relevant experiential enrichment opportunities, and academic support through a network of relationships and explicit connections to college resources and programs.

Academies' Capstone Experience	Capstone experiences support the high school academies that have been developed around career clusters. MCPS adopted the smaller learning community model for several of its programs. Smaller learning communities (academies) are programs that support the development of small, safe, and focused learning environments within large high schools. The academy programs integrate academic and specific career-related instruction to prepare students for postsecondary education and employment through the personalized learning environment of a small, focused learning community. Some of the academy programs are national programs, such as the National Academy of Finance and the National Academy of Information Technology. Academy programs have specific requirements for graduation: academy students must take rigorous courses at their high schools, and many must take a college-level course as a capstone experience. Students can fulfill this requirement by attending a college-level class on a Montgomery College campus, although the partnership does offer courses for academy students at the high school.
"Portraits of Life"	This documentary project shares the stories of Holocaust survivors who have lived in and around Montgomery County and has been exhibited at Poolesville, Wheaton, and Gaithersburg high schools as well as Eastern and Westland Middle Schools. The exhibit serves as a ready resource for students who are studying the Holocaust as part of their core curriculum.
Scholarship Conference	Each year Montgomery College hosts an annual scholarship conference for local area high school students, Montgomery College students, and their families. This free event provides information on financial aid and national and local scholarship opportunities. College-bound students can attend workshops on how to write a winning resume, how to get a good recommendation letter, and how to transfer with success. In addition, representatives from a variety of local area colleges and universities are on hand to provide students with information about their scholarship programs.
Project Lead the Way	A national academy that has developed a four-year sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. Wheaton High School is currently in year five of offering the PLTW program. Montgomery College supports the program by offering the ES100 course as a capstone experience. Wheaton High School (with a student body that is 87% African American or Hispanic/Latino) has more than 300 students enrolled in this highly successful program, of those 32 take College level classes.
Salto al Futuro	Salto al Futuro, located at John F. Kennedy High School (77% African American and Hispanic/Latino population), provides academic support and mentoring to prospective first generation college students. The program's goals are to ensure that participating students graduate from high school —college ready, as determined by the Accuplacer/Accuplacer ESL placement test and continue their education at Montgomery College or other postsecondary institutions of higher education. Students may decide to pursue a two-year college program (Associate's Degree), a four-year college program (Bachelor's Degree), a two-year career development program (Associates of Applied Sciences Degree), and/or certificate programs. The Salto al Futuro program also is designed to increase student/parent knowledge of high school graduation requirements, MCPS system resources, career opportunities, higher education programs of study, the college application process, and financial aid opportunities. " <i>Salto al Futuro</i> " conducts monthly parent meetings to provide parents with the opportunity to become active participants in their children's education, learn how to support students to prepare for college, gain knowledge about resources that can help them successfully navigate high school and the college application process, and participate in a network and fellowship of a Hispanic parent community. " <i>Salto al Future</i> " partners with the Hispanic business community to provide guest speakers, mentors, internships, and part-time employment or internship opportunities. The program currently serves 120 students (30 per grade level).

Counselor to Counselor Meetings	Counselors from MCPS and Montgomery College meet during the academic year to discuss the application process for dual enrollment programs and postsecondary opportunities. In addition, processes that assist students in making a smooth transition from high school to college are reviewed. Large group counselor meetings are planned jointly and hosted by Montgomery College. Small group counselors meetings are held with specific school counseling departments and at least one representative from Montgomery College's recruitment office and a counselor. The small meetings may be held at the school or on one of Montgomery College's campuses.
Back to School Fair	Partner with Montgomery County Public Schools' Back-to-School Fair is a way to welcome students and families to a new school year, share information about school system programs, provide access to community resources and have fun at the same time
College Nights	MC attends College Nights at MCPS high schools across the county to conduct presentations for parents and high school juniors and seniors; topics included the benefits of attending a community college, admissions & enrollment process, transfer options & services, financial aid & scholarship opportunities, and honors and special program offerings.
Executive Internship/ Psychology Internship	An Executive Internship/Psychology Internship is a rigorous, high-quality profession focused academic program. This program allows students at Walter Johnson High School and Wootton High School to explore and clarify career options in a chosen area of academic interest. All students enrolled in this program should gain personal and professional experience that will assist them in meeting their lifetime goals. Students will integrate academic knowledge to the professional setting and apply that acquired knowledge to a variety of experiences. Students will develop interpersonal communication skills, advance their social skills, and mature in their personal habits as a function of working in a professional environment.
Leadership Meeting for Secondary School Administrators	This meeting provides a forum for leaders of both institutions to form a community of learners. The meeting is held annually to share opportunities and concerns. Montgomery College hosts this event. In the past, approximately 60 representatives (MCPS high school administrators, MCPS central office administrators, Montgomery College administrators, and Montgomery College faculty) have met yearly to enhance communication among the partnership stakeholders.
Concurrent Enrollment in the High Schools	Provides opportunities to high school juniors and seniors to earn college credits on a high school campus during a regular high school day. This initiative extends the existing high school curriculum by creating opportunities for college-ready high school juniors seniors to earn transferable college credits on a high school campus during a regular high school day. Course offerings are customized to fit in with other programs at the high school and student interest. Partner representatives ensure that the course offerings supplement existing AP course offerings at the high school and do not compete with them.
<i>Prep Talk</i>	<i>Prep Talk</i> is a newsletter that is distributed to the parents of all MCPS middle and high school students. The newsletter helps students and parents understand how students can prepare for college. It also provides tips on the application process for college and financial aid, provides information on SAT preparation, and allows parents and students to have their first contact with Montgomery College.
STAR Scholarships	STAR Scholarships are designed to encourage middle and high school African American students to continue to excel academically through their high school careers and onto college. The awards are based on merit and the competition is intense. African-American and black high school students can compete annually for scholarships in the ninth, tenth, and eleventh grades, giving them the potential to earn up to \$3,000 toward their education, by winning the scholarship for three consecutive years. When a student wins a scholarship, the money is held in trust by the STAR Scholarship Foundation until the student enrolls in an accredited college or trade school.

On-line and Blended Offerings to High School Students	High School students are given the opportunity to access college level courses through on line and or blending delivery. This helps meet the needs of schools needed highly specialized courses such as multi variable calculus.
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Prince George's Community College	
Title	Description
Middle School Programs	
ESSA Adopt-A-School Program	<p>The Enrollment Services Student Ambassadors (ESSA) Adopt-A-School program is designed to work in conjunction with Prince George's Community College and the Prince George's County Public Middle Schools. The primary staffing support for this program will be the Prince George's Community College's Enrollment Services Student Ambassadors. The Student Ambassadors Program is a college recognized organization with officers, goals, and a mission statement. The Ambassadors are currently enrolled students at Prince George's Community College. The Student Ambassador program is a volunteer program where students assist the Office of Recruitment with community outreach, and college-wide recruitment and enrollment initiatives. The primary goal of the ESSA Adopt-A-School program is for the Student Ambassadors, and the college, to support and mentor middle school students, in their quest to learn more about the high school and college transition process for college bound, and non-college bound students. The Student Ambassadors are student leaders and role models. This program is a mentoring program between the enrollment services student ambassadors and selected middle school students from Ernest Just Middle School located in Largo, MD. The program mentors students, provides after school tutoring and conducts workshops related to college awareness and preparation. In addition, the program focuses on middle to high school transition.</p> <p>Kick-off was held October 24th 2010. This was a one day workshop where the students began to build the mentoring relationship. We conducted workshops and activities regarding goal setting, time management, college awareness, team building and conflict resolution. We provided the students literature regarding college preparation, timelines and paying for college.</p> <p>We then met with the students once a month after the kick-off to continue workshops and mentoring and to provide after school tutoring November, December, January, February and March.</p> <p>In December 2010 we hosted an evening workshop and reception at Ernest Just for parents to discuss paying for college and financial literacy.</p>

	<p>In April of 2011 the middle school students visited campus where they shadowed their mentors to experience a day in the life of college student.</p> <p>In May of 2011 we hosted an end of the year celebration for the students and their families to honor their accomplishments.</p> <p>The relationship will continue this school year. The kick-off is scheduled for November 5, 2011. We will have 45 middle school students participating and 18 mentors. The ultimate goal is to link college students with identified middle school students to get them mentally and socially prepared for high school and their future. The program is funded by the college.</p>
High School Programs	
Dual Enrollment	<p>The Dual Enrollment Program at Prince George's Community College (PGCC) is an agreement between the college and Prince George's County Public Schools (PGCPS). The program is designed for current PGCPS students who meet eligibility requirements to take specific college courses approved by PGCPS to receive both high school and college credit. Students must be 16 years of age or older; have a cumulative grade-point average of 2.50 or the equivalent; be certified by PGCPS as approved for participation in the dual enrollment program; apply for admission to PGCC and identify themselves as a dual enrollment applicant under Program of Study; take relevant college placement tests, achieving college-level placement scores, prior to registration; and take no more than two PGCPS approved dual enrollment courses.</p>
LIGHT Mentoring Program;	<p>The LIGHT (Leading, Implementing, and Guiding High School Transition) mentoring program was created in 2006 at Prince George's Community College out of the Office of Recruitment. The program's goal is to assist incoming high school students and their parents with the transition from high school to college, via workshops and mentoring from the Enrollment Services Student Ambassadors and the Recruitment Staff. The Student Ambassadors are currently enrolled students that assist the Office of Recruitment with recruitment initiatives. The program reaches out to students graduating from the county high schools and who participate in the Testing and Advising Program, where they take the college's ACCUPLACER placement test in their high school. The program is held throughout the summer prior to fall enrollment. The prospective students and student ambassadors work closely together in a workshop setting to prepare for the fall semester. The recruitment staff works closely with the parents on topics such as FERPA, financial aid, "letting go" and various other success topics for a smooth transition. Once the students begin their first semester, they are then transitioned into the Retention Services programs at Prince George's Community College. The program has shown growth and much success over the past four years. In 2006, 19 of the 22 program participants were retained to the spring semester. In 2007, 40 of the 44 program participants were retained to the spring semester. In 2008, we saw a tremendous jump in participants and retained 63 of the 82 program participants. Finally, in 2009 we retained 44 of 67 program participants. The cost of this program was paid for by the college.</p>
Testing and Advising Program	<p>The Testing and Advising Program is designed to work directly with high school seniors within our public school system of 22 high schools. The program provides a smooth transition for these students from high school to Prince George's Community College. Beginning in March, annually, we provide the ACCUPLACER placement test to interested students in all of the 22 public high schools. Following the test these students are then given specific dates for their on campus orientation where they meet with an academic advisor, complete their academic planning and register for courses. These students are then referred to the LIGHT</p>

	mentoring and are tracked through the matriculation process. Institutional funds were used to finance this program.
Middle College High School	Prince George's County Schools (PGCPS) and Prince George's Community College (PGCC) opened the Academy of Health Sciences, the first middle college high school in the state of Maryland, in July 2011. The Academy of Health Sciences is located on the campus of PGCC. The school currently has 100 ninth grade students enrolled (2015 cohort). One hundred students will be added per year until the school has grades 9 through 12. The application process ensures that 50 percent of the seats go to students from low socio-economic homes and/or first generation college students and that there is equity of participation from all areas of Prince George's County. The students are required to attend a summer bridge program designed to prepare them for college life. The four-year program blends high school and college work through the use of dual enrollment credits. At the completion of the four-year program, students will meet all requirements for a high school diploma and associate's degree. PGCPS pays tuition and some fees.
Upward Bound	Prince George's Community College sponsors the Upward Bound/TRIO Program through a grant from the U. S. Department of Education. Each year the program hosts fifty (50) high school students from the county representing grades 9 through 12. The program consists of an academic year segment and a six week summer schedule where students receive instruction in mathematics, algebra through Calculus I, science, English literature and language arts, foreign language, and technology. One of the Upward Bound program's objectives is to ensure that at least 75% of its senior students pass the high school assessments (HSA) or state assessments in reading, language arts, science, and mathematics. These assessments focus on subject areas of biology, algebra, and English. As a result, tutoring and academic coaching are emphasized in those subject areas as well. We further monitor students' progress and collaborate with their high school counselors and teachers for participants to gain academic skills and test taking strategies leading to success on standardized tests. This program is grant funded.
Minority Student Pipeline Grant	The Minority Student Pipeline Grant program offers two college-level science courses for dual enrollment at select county high schools. Courses are Environmental Biology and Forensics Biology. Courses are taught in the high schools by college faculty with a high school teacher as a co-teacher and observer in the classroom. This program is funded by an NSF grant.
Journalism & Communications Workshop	Each year in the fall, the MCS office works with Enrollment Services to host the Journalism and Communications Workshop for high school and PGCC students. The workshop is facilitated by professionals in the communications field who volunteer their time to spend a day with the students to share their experiences and tips on career preparation. More than 100 students, primarily from PGCPS high schools, attend annually. Institutional funds are used to finance this program.
Campus Shadow Experience	The primary goal of the Campus Shadow Experience is to provide prospective students with the opportunity to shadow an Enrollment Services Student Ambassador (ESSA). This program allows them to experience a "day in the life" of a PGCC student. Recruitment is crucial, however peer to peer is powerful. It is very important that we allow prospective students to interact with current students that share their same interests. The prospective student shadows specified classes (cleared with academic affairs), attend campus events/activities (coordinated with college life services/athletics), have lunch with the student ambassador and finally meet with a Recruitment Coordinator to discuss the enrollment process. Institutional funds are used to finance this program.
Regional Financial Aid Workshops	The workshops are designed to provided high schools students, their families and the community information regarding financial aid and literacy. The schools are selected based on county location and available space. Each program is open to the community.

AOBA Scholarship Program	The AOBA scholarship program is a partnership between Prince George's Community College and the Apartment and Building Association of Metropolitan Washington to provide full-tuition scholarships that cover the cost of attending the college for two years. The focus is on students in Prince George's County who might not otherwise have the opportunity to obtain a college education. The scholarship is geared to average students who are at risk, but are motivated to pursue their educational goals with special emphasis on leadership and community service. It offers a range of support to the students, including academic monitoring, on and off campus mentoring, job shadowing, leadership development, and community service projects. Funding is covered by Apartment & Building Association of Metropolitan Washington.
Kathy & Jerry Wood Foundation Scholarship Program	The Kathy & Jerry Wood Foundation (KJW) Scholarship program gives Prince George's Community College (PGCC) the opportunity to assist Prince George's County Public School (PGCPS) students, from each high school, with reaching their educational goals. These students receive academic, social, and cultural support, as well as, leadership and communication training. They have the opportunity to cultivate their networking skills and to meet people of power and influence through various activities and include their participation as an Enrollment Services Student Ambassadors and as ALANA, the students are academically monitored and retention efforts are put into place as needed. The majority of Kathy & Jerry Wood scholarship students demonstrate financial need and have limited social support which puts them at-risk for not completing college. The Kathy & Jerry Wood scholarship gives students a helping hand while promoting mentorship, leadership development, civic responsibility and educational attainment. The cost of each scholarship pays tuition and fees up to 15 credits per semester for 4 consecutive semester and a \$400.00 book expense per semester. The program is funded by the KJW Foundation.

Wor-Wic Community College

Title	Description
Middle School Programs	
WWCC Middle School Brainiac Challenge	Student Services created an On-Campus Tour Action Team (OCTAT) comprised of Admissions, Career Services, and Student Activities to coordinate on-campus visits with middle school students. The visits includes a welcome from the College President, an interactive Brainiac Challenge game show to have teams learn facts about community colleges and careers, tours of campus by Student Ambassadors, and lunch. The schools pay for lunch, \$6.00 per student, and transportation costs.
Summer Scholars Program	Continuing Education and Workforce Development, at Wor-Wic, coordinates a Summer Scholars program for gifted and talented middle school students. Students participate in 17 academically challenging courses in Science classes, Cooking, Digital Photography, Performing Arts, LEGO Robotics, and Career Exploration. Students pay \$105 per course.
High School Programs	
WWCC High School Diagnostic Testing and Tour Program	Student Services created an On-Campus Tour Action Team (OCTAT) comprised of Admissions, Career Services, and Student Activities to coordinate on-campus visits with high school students. The visits includes a welcome from the Director of Admissions, diagnostic testing, programs by academic departments if requested, and tours of campus by Student Ambassadors, and lunch. The high schools pay for lunch, \$6.00 per student, and transportation

University System of Maryland

Bowie State University	
Title	Description
Future STEM Scholars	Students entering the 6, 7, 8, and 9th grades participate in a two-week residential program that focuses on science. Students receive hands-on laboratory experiences, e.g. dissection, chemistry, and field excursions. The program is funded by a \$12.4 million NSF grant (MSP ²) and is a collaboration between Bowie State University and Prince George's County Public Schools.
Spanish Club, La Familia Espanola	La Familia Espanola is a tutoring program for Latino children and their families at the Springhill Lake Elementary School in Greenbelt, MD. Spanish Club members tutor Springhill Lake students and their families every Wednesday.
Pre-College Science Scholars Academy	High school students participate in a five and one-half weeks residential program for three consecutive summers. At the end of the third summer, students will have 8 credits in science: BIOL 102 (4 credits) and CHEM 107 (4 credits). This is a dual enrollment program between Bowie State University and Prince George's County Public Schools. The program is funded by a \$12.4 million NSF grant (MSP ²).
Girls Who Will...	This computer science education summer program is for middle and high school girls. During the 1-week program, girls design and implement interactive stories, digital games, and mobile applications. Participants also receive computer science and STEM career advice from professionals in the industry and academia.
Biotechnology Summer Institute	<p>Bowie State University and the University of Maryland, College Park are executing a NSF-funded project designed to provide summer laboratory experience for undergraduate students (especially minorities) and high school science teachers and students in the field of biotechnology.</p> <p>The program's objectives are to promote the interest of students in biotechnology as an alternative career path, provide research experience for students to succeed in postgraduate education, train personnel to serve in the burgeoning biotechnology industry in State of Maryland and the nation, and reach out to the youth in high schools by providing teachers additional skills in biotechnology to augment their capacity to prepare students to succeed in college.</p> <p>Several high schools and universities in Maryland and DC have sent participants to the biotechnology summer institute.</p>

Coppin State University	
Title	Description
Coppin Academy for Pre-Nursing Success (CAPS)	<p>Coppin's year round Pre-Nursing program is designed to prepare minority students from disadvantaged backgrounds for admission to the Coppin State University Helene Fuld School of Nursing. The program provides tutorials, clinical experience, summer academy, and stipends.</p> <p>The two primary components of CAPS are:</p> <ol style="list-style-type: none"> 1. Four-week clinical during the summer with area hospitals, 30 student participants. 2. Two-week nursing academy, 15 student participants. <p>The program participants are students from eight high schools within the Baltimore City Public School System.</p>
Upward Bound Program-TRIO	<p>Upward Bound is a federally-funded college preparatory program for 9th-12th grade high school students. This program targets low-income first-generation college students who are recruited from the local schools.</p> <p>The University staff visits each school and provides information to parents, counselors, teachers and students on course offerings and other college readiness subjects such as financial aid and academic preparation needed for success. There is a parent advisory board that meets once a month and they are encouraged to be engaged with students as they progress to the 11th and 12th grades and eventually, into the University. During both summer and fall, students take classes that would prepare them for "next level" courses or for selecting a major for college.</p>

Frostburg State University	
Title	Description
Dual Enrollment/ Early College Program	FSU partners with the Allegany County Board of Education and participating high schools to offer college courses (BIOL 149, PSYC 150, and MATH 102) at Allegany County High Schools.
Upward Bound	Federally funded by the United States Department of Education, Upward Bound is a pre-college program designed to provide students with the skills and motivation necessary to succeed in high school and afterwards in college. FSU partners with the Allegany County Board of Education and high schools.

Upward Bound Regional Math/ Science Center	Federally funded by the United States Department of Education , the Regional Math/Science Center (RMSC) provides academic support to students and help them develop to their full potential so they will enter and be successful in post-secondary education in the fields of math and/or science. The RMSC is funded to serve eligible students from the following Maryland counties: Garrett County, Allegany County, Washington County, Caroline County, Baltimore City and the following schools in Frederick County (Gov. Thomas Johnson High School, Frederick High School or Brunswick High School).
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Salisbury University	
Title	Description
Science Nights	During Science Nights at Salisbury University, high school students and their families are introduced to majors and careers in science.
Maryland Summer Center for the Arts	Salisbury University's Maryland Summer Center for the Arts is a program during which young musicians, actors, singers, and artists study with university faculty for two weeks.
SU Science Camp	This is free seven-day residential camp is for rising 11 th and 12 th grade students who are fascinated with science, math, engineering, and/or technology. Students from across the Eastern Shore explore the world of STEM through engaging hands-on activities, laboratory experiments, workshops, team challenges, and seminars with career scientists. The camp utilizes problem-based and object-based learning that promotes scientific inquiry and the application of mathematics and technology in the context of engineering design and problem solving.
Maryland Science Olympiad	Salisbury University hosts this competition for teams from Maryland and DC. The Olympiad is a hands-on K-12 science program including rigorous academic interscholastic tournaments. The MD Science Olympiad seeks to improve the quality of science and technology in science in all Maryland schools and enhance the workforce for Maryland industry. The program provides a pathway for knowledge, understanding, vision, energy, and passion to flow from state science and technology professionals to Maryland's teachers and students.
May Literacy Center	The May Literacy Center is a place where students in Kindergarten through 8 th grade can receive tutoring in reading. The center also hosts The Family Literacy Program in which literacy skills are taught to adult family members and their children. Families have fun while children learn important language and literacy skills through reading, writing, playing and talking. In addition, parents and grandparents will learn how to keep the children actively interested in learning new things.

Towson University	
Title	Description
Saturday Morning Science	The Saturday Morning Science program exposes students in grades 2-8 to many different areas of math, science, and engineering to get them thinking about different career options, and to inspire them to pursue STEM careers in the future. One of our goals is to be inclusive and to increase the diversity of students heading into math and science careers. We host 15-20 programs per year. Typically, 400-500 students and their families attend each program. Students generally come from Baltimore County, Harford County, and Baltimore City public schools.
Student Writers' Workshop	Towson University hosts the Student Writers' Workshop, a 3-week summer writing camp for children in grades 2 through 12 who love to write. This program draws over one hundred students each summer.
Geomatics Academies	Towson partners with Fairmont Heights High School (Prince George's County) and Wicomico High School (Wicomico County) to form Geomatics Academies, college preparation programs funded by MHEC. The Academies are designed to strengthen students' understanding of mathematics (particularly Algebra 1 and Data Analysis concepts), promote college awareness, and introduce students to a variety of careers within the environmental sciences.
Middle Grades Partnerships	Through a partnership grant from the Middle Grades Partnership, Towson University partners with the Baltimore Civitas School (Baltimore City Public School System) to increase the number of students who are prepared to take rigorous mathematics courses in high school and beyond. Towson's Department of Mathematics hosts and directs a five-week summer program on the Towson University campus for rising seventh and eighth graders. The program is designed to support the students' academic endeavors by offering an enrichment program that includes mathematics, language arts, chess, and extracurricular activities.
Enhancing K-12 Engineering Education	Towson is implementing an elementary engineering program in Harford County Public Schools.
Baltimore Excellence in STEM Teaching Project	Funded by a grant from NASA, the Baltimore Excellence in STEM Teaching Project aims to improve high school and middle school STEM. The program offers training and mentoring opportunities to in-service STEM teachers. The BEST Project focuses on improving the content knowledge and pedagogical effectiveness of participating teachers through a 6-week summer research experience and a subsequent year of professional development workshops on topics such as implementing inquiry, incorporating technology, and differentiated instruction strategies.
College and Career Ready Task Force Report	This Task Force focused on establishing collaborative efforts to improve college and care readiness of Frederick County high school students. From academic intensity to redesigning senior year, student scheduling, and academic opportunities, this report provides a blueprint of opportunities directly related to improving completion rates. The report will become a working document at a Collaboration Tea in April. This event provides planning time for faculty, administrators, and staff from FCC and Frederick County high schools.
Teacher Academy of Maryland	The Teacher Academy of Maryland (TAM) seeks to address the persistent teacher shortage challenge by creating a pipeline of teacher candidates from grades 6-12. Middle and high school students who are interested in careers in education enter the pipeline

	via the Future Educators Association (FEA) and maintain active membership in the FEA throughout their high school experiences. High school students start the TAM program of study in tenth grade and complete a four-course sequence that gives students early exposure to the teaching profession. TAM students also have the potential to earn three college credits while still in high school provided they attend a higher education institution that awards such credits. Towson plans and implements relevant, high quality, sustained professional development opportunities for TAM educators and works in collaboration with MSDE, USM, and the TAM state-wide advisory committee to market, implement and upgrade the TAM program of study.
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	University of Baltimore
Title	Description
UB Environmental Sciences Academy	In Summer 2011, we offered the Environmental Sciences Summer Academy at no cost to fourteen high school students who want to learn more about urban ecology and scientific reasoning. Materials developed for this have also been made available to support professional development exchanges between our science faculty and the science faculties in Baltimore City Public Schools. Over the course of four days, students explored, analyzed, and characterized habitats in Baltimore City and the Chesapeake Bay and gained a basic understanding of the scientific method, fundamental concepts of biological and environmental sciences, and the skills needed to become a scientist. The program included two off-campus field trips, laboratory work, and accompanying class room activities. The field trips will introduce students to two different ecosystems found in Maryland: an aquatic ecosystem in urban surroundings (Jones Falls, Druid Park) and the Chesapeake Bay.
Professional Development Series: Assessment as Learning	Assessment as learning: Embedding College Readiness Outcomes Across the Curriculum - Assessment as learning processes provide students with opportunities to be introduced to essential knowledge and skills (focusing on college-level reading, writing, mathematics, critical and creative thinking, and habits of mind of a self-directed learner), to practice that learning with support to determine gaps, and to demonstrate the learning independently. By means of formative and summative assessments of learning that engages students in reflecting on learning and setting goals, teachers and counselors can capture evidence of their students' learning and analyze areas that can benefit from continuous improvement.
Professional Development Series: Creating a College Readiness Calendar	Creating a College Readiness Calendar: 9 th grade through Senior Year - This program provides a "map" for engaging students, family members, faculty and staff in planned communications concerning the "what, when, where, why, how" of college readiness. Participants will learn to develop a communication plan, to identify college readiness core standards, to design transformative pre-college experiences that work in and out of the classroom, and to promote a culture of college readiness.
College Readiness Preparatory Series (CR Prep)	Offered in the fall or spring semesters, CR Prep is designed for 11 th grade students. It is offered two days a week at the City Schools location, one day focused on reading and writing, the other on mathematics and algebra. Schools either embed those two days within the framework of another course or schedule the work during student advisory periods. The assignments and discussions center on "Knowledge of College" topics. Students participating in this program take the ACCUPLACER exam twice. The program includes instruction, testing, a college tour, collaboration with faculty and guidance counselors, and meetings with parent groups on helping students to be ready for college. Juniors who successfully complete the CR Prep series are eligible to take dual

	<p>enrollment courses and to participate in the College Readiness Summer Academy.</p> <p>UB has CR Prep Programs with Baltimore Freedom Academy, National Academy Foundation, and Digital Harbor High School. In Spring 2012, we expect to add both of the Baltimore-based Friendship Academy schools. To date, UB has served approximately 100 students and expects to expand by two additional schools per year over the next three years, with the goals of serving approximately 200 students a year.</p>
UB Summer Bridge	<p>In Summer 2011, UB piloted a summer bridge program for two audiences: rising high school seniors who were seeking to demonstrate learning that would qualify them for dual enrollment opportunities in their senior year of high school and students who were not otherwise admissible to UB due to low high school grades and SAT scores. We enrolled 21 students from Baltimore City and 6 provisionally admitted students.</p> <p>Most of the rising high school students had participated in college readiness activities in 11th grade. The College Readiness activities offered at the students' high schools provided instruction in introductory algebra, reading and writing within the context of college readiness behaviors (accountability, focus, knowledge of college, etc.). As part of this work, students took the ACCUPLACER twice. Some students were eligible for dual enrollment opportunities after this testing, but others were required to augment their placement scores with additional evidence of learning.</p>
Outreach: HEROES Academy	<p>Since 2006, UB has sponsored the HEROES (Higher Education Readiness and Orientation for Exceptional Students) Academy, an on-campus volunteer activity for UB staff, faculty and students to showcase UB's campus and programs to sophomore students from Baltimore City and Baltimore County. Students participate in a day of special programming and get a taste of college coursework and life. Last year, approximately 134 sophomore students from area high schools, including Baltimore City College, Baltimore Polytechnic Institute, Catonsville High School, Eastern Technical High School, Towson High School and Western High School, took part in our HEROES Academy Day.</p>
Outreach: Early Placement Testing	<p>At the invitation of BCPSS, UB has participated in two work groups, the "Accountability" work group, which facilitated parent discussions on the topic as well as discussions with community groups, and the ACCUPLACER work group, which studied and made recommendations concerning a plan to give all BCPSS 11th graders ACCUPLACER testing and follow-up services. UB hosted the culminating retreat where the final proposal was drafted.</p>
Outreach & Professional Services: Baltimore Collegiate Academy	<p>UB provides consulting services to the Five Smooth Stones Foundation, an organization that has developed a Saturday academy for 4th and 5th grade Baltimore City boys. The Academy will include learning experiences designed to strengthen students' abilities in reading, writing, reasoning, information literacy, and applied mathematics. UB has consulted on the curriculum that will be used to enhance the students' learning and place them on the pathway to college.</p>

University of Maryland

Title	Description
CLUB UMD College & Career Work Group	This group develops age appropriate, interactive learning experiences related to higher education and careers in law and health care for students at the George Washington Elementary School and SW Baltimore Charter School.
CLUB UMD Internships	UM campus based placements for student interns who are seniors in high school. Students are placed in the Schools of Medicine and Pharmacy in laboratory settings in the fall and spring. Students earn academic credits for their participation. Participants attend the Vivian T. Thomas Medical Arts Academy in Baltimore.
A Bridge to Academic Excellence	A collaborative community service project of the School of Pharmacy formed for the purpose of improving educational outcomes, professional and social communities in the area. A Bridge to Academic Excellence is located in West Baltimore area middle and high schools.
Youthworks	In collaboration with the Baltimore City Summer Employment Development Program, high school students are given summer opportunities to gain meaningful work experiences, explore career choices, and receive mentoring on understanding money and banking, resume writing, interviewing and dressing for success, and preparing for college. Mentors are recruited and matched with students based upon areas of common interest.
High School Mini-Medical	High School Mini-Medical is an entertaining, educational program designed to provide high school students with interactive classroom instruction on a variety of medical subjects. Mini-Medical Program courses are taught by the UM School of Medicine Medical students.
Healthy Support Education Project	Student mentoring through Baltimore Healthy Start for teen mothers through Club UMB, Freedom Academy and Vivian Thomas High School to assist with access to resources. This includes a mentorship piece whereby UM graduate students provide academic assistance and college/career planning as necessary.
Community Schools Initiatives	The program represents a network of partnerships between the school and other community resources that promote student achievement and family and community well-being. Its integrated focus on academics, enrichment, health and social supports, youth and community development and family engagement leads to student success, strong families and healthy communities. The program is conducted through the Social Work Community Outreach Service, School of Social work located at Benjamin Franklin High School and Augusta Fells Savage Institute for Visual Arts.

University of Maryland, Baltimore County

Title	Description
Service Learning Program	The Service-Learning program has engaged UMBC students in local classrooms where they work directly with teachers and students. These collaborations have also resulted in campus trips to UMBC and a summer “enrichment experience.” The Shriver Center focuses on sustained, weekly service relationships making collaborations with other campus departments an important part of this initiative.
Cristo Rey Jesuit High School (at UMBC)	UMBC participates in Cristo Rey Jesuit High School’s Corporate Internship Program. Four CRJ students, ranging from freshmen to senior, intern at a number of departments through the Office of Enrollment Management, Admissions, and The Shriver Center’s Service-Learning Program. They develop such professional skills as teamwork, communication, and problem-solving.
Inspiring Scholars Day	<p>Invitations to participate in Inspiring Scholars Day go to the LEA superintendents’ offices with attention to STEM coordinators. Montgomery, Prince George’s, St. Mary’s, Howard, Baltimore, Frederick, and several Eastern Shore counties and Baltimore City are invited. In addition to school systems, invitations are extend through targeted STEM programs including MESA at APL, Building Steps in Baltimore City, Minority Scholars Program at Clarksville High School, and the regional program STEM Career Paths.</p> <p>Held four times per year, this event is hosted by the Meyerhoff Scholars Program, the Sherman STEM Teacher Scholars Program, and the Center for Women and Information Technology. Invitations to high school juniors invite them to spend the day at UMBC, tour a lab, attend panel discussions with current UMBC students, participate in an admissions information session, and discuss what they can do now to be competitive when they apply to college.</p> <p>A few schools ask that the program be delivered in the school. These include: Baltimore Polytechnic High (Baltimore City), Easton High (Easton, MD), Eleanor Roosevelt High, Flowers High, and Oxon Hill High (Prince George’s County), and Applications and Research Lab (Howard County).</p>
Upward Bound Math Science Summer Program/ NOYCE Scholars	The NOYCE Professional Development for Teachers program is coordinated through the Education Department, and partners with the Upward Bound Math Science Summer Program to deliver experiential, project-based science instruction for high school students from Baltimore City and County public schools.
National Consortium for Teaching About Asia Program Seminar Program	This program provides a professional development seminar series for K-12 teachers in Anne Arundel, Baltimore, Howard, Prince George’s, Montgomery, and Frederick counties and Baltimore City. Partners in this effort include the Center for History Education, the UMBC Asian Studies Program, the Freeman Foundation, the Asian Studies Center, the University Center for International Studies of the University of Pittsburgh, and the National Consortium for Teaching About Asia.
Teaching American History Grant Program	The Center for History Education, part of the Department of History at UMBC, has partnerships with public schools in Anne Arundel, Baltimore, and Howard counties to provide professional development programs for K-12 history teachers.

Upward Bound Math and Science Summer Program/INSPIRES Program	The INSPIRES program, an NSF funded program, partners with the UBMS program to deliver experiential, project-based science instruction for high school students from Baltimore City and county public schools.
Classic Upward Bound	<p>The UMBC Upward Bound Program (UBP), funded by the U.S. Department of Education, began in 1989 and is currently funded to serve 130 students via two grants. Participants are ninth through twelfth grade students from five target schools in Baltimore County and Baltimore City. The program serves Patterson High School in Baltimore City and Chesapeake, Kenwood, Overlea and Parkville High Schools in Baltimore County. Generally, participants are admitted to the UBP as ninth or tenth graders and actively participate through the summer after their high school graduation.</p> <p>The Program provides both an academic-year component and a six-week summer component. Academic instruction and tutoring for a core of courses are the center of the academic year. Academic enrichment is the focus of the summer component.</p> <p>Guidance and counseling, key elements of the UBP, are provided in the areas of academic, personal, career, and college selection and admissions for all participants, year round. Study skills, computer technology, preparation for college entrance exams, and a variety of educational and cultural activities also are included in the Program. Regular contact and interaction with parents and participants' schools provide a team approach to helping students prepare for their academic, professional and personal futures.</p>
ASPIRE (Applied Social Psychology Intensive Research Experience)	During the year-long program in 2011-12, three Psychology Department faculty members will each mentor three high school juniors twice a month to introduce them to research methods, statistics, scientific writing and dissemination. The goal is to increase the preparedness of underrepresented minorities to engage in research and, ultimately, to enter the pipeline for PhDs in scientific psychology. Participants attend Poly and Western High Schools in Baltimore City.
POWER Program	<p>UMBC Physics Professor Dr. Lynn Sparling, WeatherBug, the Albright Foundation, two local schools - Federal Hill Preparatory School (Baltimore City) and Our Lady of Perpetual Help (Howard County), and the Shriver Center were awarded a one-year grant through Constellation Energy's "Energy to Educate" program.</p> <p>POWER is a unique intersection of STEM education, Energy and Environmental Public Awareness, and Service-Learning. Using these areas, the POWER project seeks to teach 6th-8th grade students the basics about wind energy and other sustainable energy resources. Each grade level across schools focuses on a research question and will make presentations on their findings by the end of the semester. Weather Bug has installed weather monitoring stations at both of the schools to assist the students in their research. Selected UMBC students deliver the science curriculum and help the students perform research-related activities.</p>
Language Variation in the Classroom	This is a continuing partnership between consultants and the Middle Grades Partnership organization and Baltimore City Public Schools. Workshops are led annually by the consultants with a cohort of around 30 K-12 teachers who teach in public and independent schools around Baltimore. In the workshops, consultants and educators explore how students' language variations affect longstanding achievement/opportunity gaps found in U.S. education. Guiding teachers to understand and address language variations in the classroom through linguistically informed techniques is highly relevant to the question of college readiness, particularly for preparing diverse student populations.

Friendship Academy at Cherry Hill	In 2009-2010, The Shriver Center was awarded a one-year grant through the Maryland Higher Education Commission to support college/career access through STEM-focused initiatives. UMBC provides these services to the Friendship Academy in Baltimore City.
CS4HS@UMBC	Google sponsored a three day professional development event for 12 high school computer science teachers from Charles, Frederick, Montgomery and Baltimore counties.
College for Every Student (CFES)	College For Every Student is a nonprofit organization committed to raising the academic aspirations and performance of underserved youth so that they can prepare for, gain access to, and succeed in college. The essence of CFES is the engagement of each Scholar in three high-impact practices - Pathways to College, Mentoring, and Leadership through Service. UMBC Athletics is partnered with Arbutus Middle School for the CFES initiative.
Midday Madness	UMBC Athletics' annual event invites local elementary and middle schools to campus for the day. Students get a guided tour of campus led by student-athletes and then watch a women's basketball game. It is an exciting way for elementary and middle school students to see a college campus while promoting higher education. Fifteen hundred students from 13 local elementary and middle schools participated in 2010.
Make a Difference Mentoring Program	This program pairs a UMBC student-athlete with an elementary or middle school student on a one-to-one basis to promote academic and personal growth. This fall we have 45 mentors at our partner schools - Relay Elementary and Halethorpe Elementary.
School Visits	UMBC sports teams visit a variety of local schools throughout the year. They talk with students about the importance of education and physical fitness and sometimes conduct sports skills clinics.
Center for Women and Information Technology, Bits and Bytes Program	Each spring, 20 to 30 academically talented eleventh graders from schools across Maryland and Northern Virginia are selected from 80 to 90 applicants for an overnight visit at UMBC. The program supports CWIT's mission to encourage and support women to be leaders in information technology and engineering fields. This free event engages local high school girls in the college atmosphere and exposes them to the possibilities within engineering or IT majors. The students also participate in an engineering or IT design competition and interact with current UMBC students in the CWIT Scholars Program, including attending a college class with a UMBC student.
Our Civic Voices	<i>Our Civic Voicestm</i> nurtures multi-level civic and literacy development by partnering undergraduate students (pursuing majors/minors in political science) with local middle school students to assist the latter in writing targeted constituency letters to local, state, and federal elected and appointed officials. UMBC partners assist middle school students with age-appropriate readings – three primary texts addressing civic participation and one reference text dealing with the contributions of young people to American history, and assist with a tour of the United States Capitol and educational content games.
MATHS (Maryland Academy of Technology & Health Sciences)	With a strong STEM focus infused into the curriculum, UMBC students from STEM majors are recruited to provide tutoring support to students from the MATHS Charter school.
Major Inspiration (MI)	MI is a student organization which provides opportunities for K-12 youth (who might otherwise not be thinking about college as an option) to interact with college students and learn about various areas of study, as well as how to navigate college-related systems (e.g., financial aid, admissions). MI also supports some partnerships with schools that seek one-time visits to UMBC and/or outreach.

Achievement Via Individual Determination	AVID's mission is to close the achievement gap by preparing all students for college readiness and success in a global society. It utilizes a 7th-12 th grade system to prepare students who are in the academic "middle." During the AVID elective period, students receive help with organizational skills, critical thinking, and support in needed academic areas. Tutors are trained to lead small group sessions that are subject-area specific.
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University of Maryland, College Park	
Title	Description
ESTEEM (Engineering Science Technology to Energize and Expand Youth Minds) Research Mentoring Program	The ESTEEM Research Mentoring Program offers rising high school seniors who are considering majoring in engineering in college an opportunity to conduct independent research under the direction of an engineering faculty member. Students begin with a two-week summer program where they explore engineering research through research lectures and lab demonstrations,. In the fall, students are assigned to an engineering faculty mentor and work on campus with their mentor on a year-long research project that results in a final paper and participation in a research symposium in the spring. Approximately 8-10 students participate each year, recruited from Maryland and the District of Columbia through high school STEM teachers.
Maryland Excel Scholars Program	The Maryland Excel Scholars Program provides students at Northwestern High School in Prince George's County with a supportive educational experience designed to increase students' interest in engineering and encourage them to apply to the University of Maryland. Initiated in 2010, the program is managed by Center for Math Science and Engineering staff and includes an after-school homework club and summer SAT Strategies program. Homework club tutoring is provided by students from the UMCP chapters of the National Society of Black Engineers (NSBE) and the Society of Hispanic and Professional Engineers.
Project Pipeline	Project Pipeline is a pre-college program that prepares and recruits students to attend the Clark School of Engineering at the University of Maryland, College Park. The program includes a summer component designed to improve students' mathematical skills and SAT scores. Students are recruited principally from Prince George's County Public Schools and the Wheaton High School (Montgomery County Public Schools) Project Lead the Way programs.
CMNS College Jump Start Program	The Jump Start Program provides opportunities for high school students to spend one week on campus exploring the biosciences. Students choose a focus on biomedical science, forensic science, or animal science. In each focus area, students conduct experiments and make field trips. Approximately 100 students participate each year. Initiated in 1999, the program is marketed to students in Maryland, Virginia, and the District of Columbia, aided by contacts with a large number of science supervisors. The program has been supported by funds from the Howard Hughes Medical Institute.
Summer Music Technology Program	The Summer Music Technology Program is offered on campus by the University of Maryland School of Music and is taught by a faculty member in the School. First offered in Summer 2011, this one-week summer program provided 16 local high school students with a comprehensive, technology-rich, creativity-based music learning experience. Students learn about music composition, performance, recording, and production; students are also introduced to the use of state-of-the-art software and

	digital audio workstations. Prince George's school partners include Central, Duvall, Friendly, and Suitland high schools. Collaborating partners in the program include the Foundation for the Advancement of Music and Education Inc., Roland Music Corporation, and the Washington Music Center.
Maryland Mathematics Institute for High School Teachers	The Maryland Mathematics Institute is an annual one-week, two-credit summer course taught by several College Park faculty. The course provides high school mathematics teachers with interesting and enjoyable topics relevant to teaching high school students, communicates to the teachers the pleasure and relevance of mathematics, and builds relationships between UM and secondary school teachers.
Young Scholars Program	The Young Scholars Program in the University's Office of Extended Studies offers high school students challenging three-week summer courses in science, humanities, and public policy. More than 500 students enrolled in Summer 2010. CMNS teaches three courses that introduce high school students to topics in the sciences: "Environmental Biology" (how the environment works and human impacts on our natural systems); "Dinosaurs and Beyond," (topics in biology); and "Why Weather Works" (an atmospheric and oceanic science perspective).
Plant Science and Landscape Architecture (PSLA) Biotechnology Summer Academy	The Biotechnology Summer Academy initiated in Summer 2010 at Bowie State University provides education in biotechnology for minority high school and college students from area schools as well as high school teachers. In two 2-week sessions, participants attend lectures and participate in hands-on activities to learn more about biotechnology techniques and procedures. Faculty from UMCP and Bowie State share teaching. 37 participants in Summer 2011 included high school students, undergraduates from community colleges, and 10 teachers from across the State. Discussion is ongoing with Largo High School to develop opportunities for their students to attend. The program is supported through a four-year NSF grant to Professor Gary Coleman.
STARS Teacher In-Service	STARS ambassadors give presentations on college admissions, SAT preparation, writing college application essays, and how to apply for financial aid to local high school teachers. Teachers are encouraged to recommend high school students to be mentored by STARS students who will assist them with the admissions process.
Smith Talent Acquisition and Referral System (STARS): Finance Field Day	This program increases access for underrepresented students to the Smith undergraduate program, providing students with support to develop their academic capabilities. Finance Field Day, sponsored by major corporations (e.g., Ernst & Young and General Electric), provides presentations on careers in finance as well as student participation in an interactive simulation in the Finance Lab led by faculty and assisted by STARS mentors. Approximately 150-200 students participate each year. Programming is provided to students enrolled in the National Academies of Finance program in Eleanor Roosevelt, Suitland, Fairmont Heights, Largo, Northwestern, Flowers, Bladensburg, and Potomac high schools in Prince George's County.
College Awareness through Career Exploration program	CACE helps students make the connection between high school classes, college majors, and career choice. The semester program includes a professional internship experience, seminars, and writing coaching. Students are paired with mentors in many industries including engineering, commercial real estate, museums, and banking. Students conduct their internships at professional sites. Students also learn about the college application process and financial aid. Approximately 30 students from Fairmont Heights High School participated in 2011.
Statewide Student College Preparation Conference	The Maryland Institute for Minority Achievement and Urban Education in the College of Education hosted two state-wide Student College Preparation Conferences for 12th -grade students. The conference offered six student-focused workshops on topics such as writing a personal statement and completing an online college application. Approximately 120 students attended each conference. Participating students are from counties across the state, including Baltimore, Wicomico, Garrett, Somerset and Prince George's.

MARY/EMPT	MARY/EMPT is an early placement test administered by the Department of Mathematics. Students' results indicate how the students would actually perform on a college placement test. Typically, but not always, high schools administer MARY/EMPT to students in the junior year, leaving time for the schools and/or students to make necessary adjustments.
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University of Maryland, Eastern Shore

Title	Description
Engineering EXPO	UMES, in conjunction with local engineers, works with Wicomico and Somerset Counties' Boards of Education to promote STEM activities among middle and high school students during the Engineering Week that is held yearly in February. UMES students mount two stations, Surveying and Structures. In the Surveying station, the middle/high school students are taught how to use a Total Station to measure angles and distances, two items used in construction projects. In the Structures station, the West Point Bridge Design Software is used to highlight many features of engineering projects. The students build their own bridges and test them for stability and cost effectiveness. In addition, students are briefed about programs offered in the Department of Technology.
UMES Summer Transportation Institute	<p>The purpose of the UMES Summer Transportation Institute is to create awareness and stimulate interest among middle school students on the Lower Eastern Shore of Maryland about the vast transportation careers available and provide them with the opportunities to explore the field of the transportation industry.</p> <p>Students participating in the program are involved in educational enhancement activities, field trips, and participate in seminars that expose them to careers, academic programs, and personnel in the transportation industry. Students:</p> <ul style="list-style-type: none"> • Explore safety, innovative trends, and career opportunities that exist in transportation systems; • Develop an understanding of the importance of positive attitudes about learning math and science and the opportunities for advance studies; • Are exposed to the college campus and opportunities to meet faculty members and college students that are involved in academic programs that lead to transportation careers; • Develop computer, professional, and communication skills needed for successful study <p>The UMES Summer Transportation Institute is funded by a grant from the United States Department of Transportation, Federal Highway Administration, and the Maryland State Highway Administration.</p>
GEAR UP (Gaining Early Awareness and Readiness for University Programs)	GEAR UP students come from Somerset County Public Schools (Crisfield High School and Washington High School) and Wicomico County Public Schools (Wicomico High). This 6-year cohort program follows students from 6-12 th grades. The UMES / College Access Program assisted 500 students from three high schools in two local counties. Each high school was assigned an AmeriCorps volunteer and a UMES GEAR UP site coordinator to oversee the program. The UMES section of the grant included funding and supervision for various projects designed to assist an underrepresented population towards success in college. Over the 6-year project, UMES offered college tours & lunches (average participation 35 students and adults), SAT preparation workshops, and

	dual enrollment courses.
Upward Bound	Upward Bound is a federally-funded, college preparatory program that targets first-generation and low-income high school students. Through Upward Bound, university staff provides college preparatory and financial aid information to students, parents, and high school staff. Students take courses and obtain the skills and motivation necessary to succeed in high school and college. UMES has partnerships with five schools.