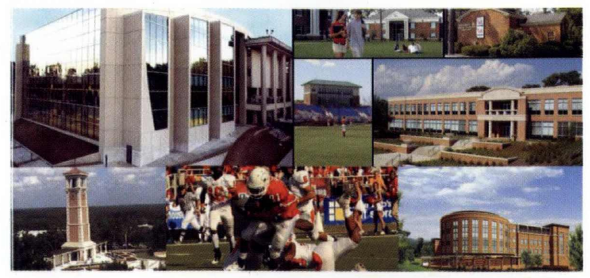


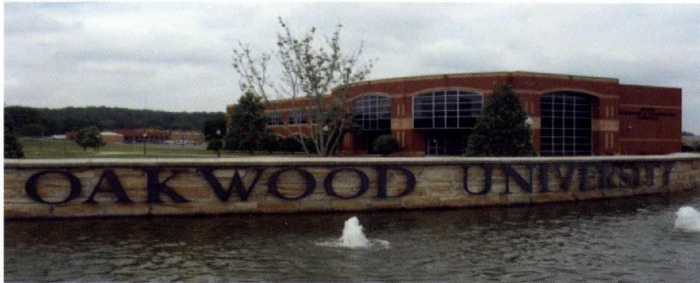
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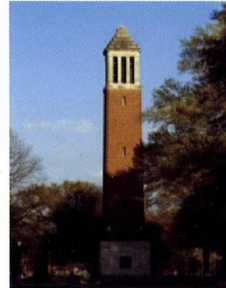
Tuskegee University



The University of South Alabama



Oakwood University



The University of Alabama



Shelton State Community College

Alabama LSAMP Student Transitions/Community College Partnerships

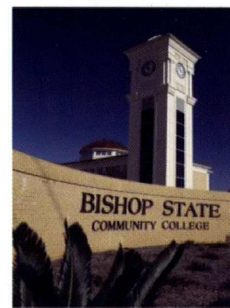
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Southern Union State Community College



Auburn University



Bishop State Community College



Gadsden State Community College



Alabama State University



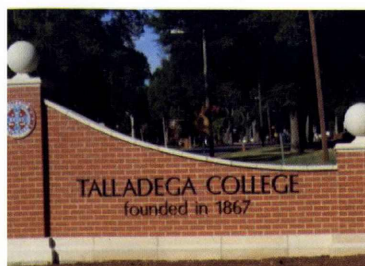
Calhoun Community College



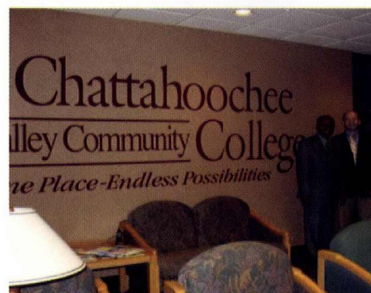
Faulkner State Community College



Wallace Community College



Talladega College



Chattahoochee Valley Community College



Miles College



Lawson State Community College

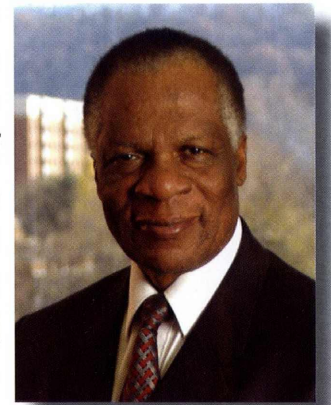
June 2011

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The Alabama Alliance

The Alabama Louis Stokes Alliance for Minority Participation (ALSAMP) is an alliance of 12 universities and colleges in Alabama: five (5) majority institutions: The University of Alabama at Birmingham (Lead Institution); The University of Alabama; The University of Alabama in Huntsville; The University of South Alabama and Auburn University and seven (7) Historically Black Colleges and Universities (HBCUs): Alabama A&M University; Alabama State University; Miles College; Oakwood University; Stillman College; Talladega College and Tuskegee University. The goals of the alliance are to increase the quality and quantity of underrepresented students successfully completing STEM baccalaureate degree programs and to increase the number of students academically qualified for and matriculated into programs of graduate study. Each partner institution has a site coordinator and a management committee to implement program activities on their particular campus.



Dr. Louis Dale
ALSAMP Principal Investigator

The table below provides the alliance’s impact on minority STEM enrollment at each institution.

Undergraduate Minority STEM Enrollment: 2003-2008

Institution	2003	2004	2005	2006	2007	2008
Alabama A&M	1406	1403	1652	1556	1352	1280
Alabama State	463	532	514	540	601	614
Auburn	460	815	753	826	635	627
Miles	231	242	219	235	142	328
Oakwood	295	330	308	315	352	373
Stillman	251	247	154	144	223	141
Talladega	138	97	106	176	117	129
Tougaloo	241	241	N/A	N/A	N/A	N/A
Tuskegee	972	819	768	787	890	944
UA	402	390	462	523	508	521
UAB	454	529	565	581	594	717
UAH	321	260	339	355	424	440
USA		266	242	234	258	317
TOTAL	5634	6171	6082	6272	6096	6431
TOTAL w/Multicultural	5987	6386	6764	7133	6855	7069

Table I

Community College To Undergraduate Institutions

Community college STEM transfers to four-year institutions can be enhanced in a number of ways as recommended by the proceedings of the 2009 Workshop on Recruitment and Transition of Science and Engineering Students from Community Colleges to Four-Year Institutions, an event hosted by Alabama LSAMP at The University of Alabama at Birmingham (UAB). In attendance were representatives from 45 universities and 32 community colleges. Among the lessons learned from participation at the workshop, was the importance of having bridge programs between community colleges and four-year institutions, articulation agreements and faculty/administrator partnerships. Other preferred activities were visits by four-year institution partners to undergraduate campuses and the provision of enhanced scholarship opportunities for community college students. These activities are included in the proposed Alabama LSAMP (ALSAMP) Community College Partnerships:

ALSAMP Community College Partnerships – Already in place is a statewide articulation agreement for the transfer of credit among all public colleges and universities resulting in a state mandated linkage between all public institutions. This linkage has resulted in institutional collaboration among two and four-year institutions and interventions to prepare community college students for transfer into programs at baccalaureate degree-granting institutions. Additionally, some ALSAMP institutions have developed community college “connections programs” where the undergraduate institutions have an established office on the campus of the community college to assist students on-site with the application process, the transfer of credit courses and the planning of appropriate course schedules.

Each ALSAMP institution has proposed a community college partnership with one or more community or technical colleges. The partnerships include activities designed to recruit community college STEM students to the four-year institution and stimulate faculty involvement at both the community college and partnership institution. These activities include the following:

- A. Community college and ALSAMP institution STEM staff will schedule regular meetings to discuss academic issues and other matters related to the partnership. The meetings will rotate between the community college and partner institution.
- B. ALSAMP site coordinators will coordinate with their community college contacts the visitation days for STEM undergraduate students on the ALSAMP campus which will give the students the opportunity to tour the campus, meet other students, faculty and academic advisors and visit scientific laboratories and other facilities.
- C. Community college student bridge programs will be held at ALSAMP institutions during the summer term providing an opportunity for students to enroll in two courses during the summer term prior to the fall term. During the summer bridge program, students will attend seminars, take six hours of coursework, receive counseling and mentoring, actively work on a research project with an assigned mentor and present their research at a community college summer bridge research conference hosted by the ALSAMP lead institution. Tuition, fees, housing and board will be provided for students during the summer program.

- D. Community college transfer students participating in the summer bridge program will be eligible to receive a one-year community college “transition scholarship” to assist with tuition and fees.
- E. Community college transfer students not attending the summer bridge program will be assigned a mentor, be provided counseling and other services and be tracked at the LSAMP institution.
- F. Community college transfer students will have the opportunity to participate in undergraduate student research opportunities sponsored by ALSAMP as well as the ALSAMP Spring Research Conference (an excellent opportunity for networking).

A community college partner contact for each institution has been identified that will be responsible for the following:

1. Arranging and coordinating visits by STEM faculty to make research and informative presentations regarding STEM majors and careers,
2. Recruiting students for the Community College ALSAMP Summer Bridge Program, and
3. Attending ALSAMP Executive Committee Meetings.

Included below is a list of ALSAMP Partner Institutions, site coordinators and community college partner contact persons. These individuals will be listed as senior personnel on the proposal and their resumes will be included.

ALSAMP Institution Site Coordinator	Community College Partner Contact	ALSAMP Institution Site Coordinator	Community College Partner Contact
<i>Alabama State University</i> Dr. Carl Pettis	<i>Wallace Selma</i> Dr. Elijah Pugh	<i>Tuskegee University</i> Dr. Herman Windham	<i>Chattahoochee Valley</i> Dr. Salman Elawad
<i>Auburn University</i> Dr. Overton Jenda	<i>Southern Union State</i> Dr. Mary Jean White	<i>The University of Alabama</i> Dr. Viola Acoff	<i>Shelton State</i> Dr. Frieda Dale
<i>Miles College</i> Dr. James Langie	<i>Lawson State</i> Dr. Karl Pruitt	<i>The University of Alabama at Birmingham</i> Dr. Carolyn Braswell	<i>Lawson State</i> Dr. Bruce Crawford
<i>Oakwood University</i> Dr. Kenneth LaiHing	<i>Calhoun</i> Mr. James Duke	<i>The University of South Alabama</i> Dr. Alexandra Stenson	<i>Bishop State</i> Dr. Katherine Malone <i>Faulkner State</i> Mr. Tremaine Pimperl
<i>Talladega College</i> Dr. Silas Edet	<i>Gadsden State</i> Mr. Carl Byers		

Each partner institution will collect and maintain data on community college transfers including the number of transfers and STEM majors and cumulative GPA's.



Alabama State University and Wallace State Community College Partnership Concept



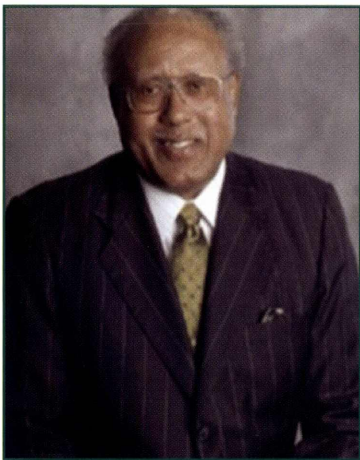
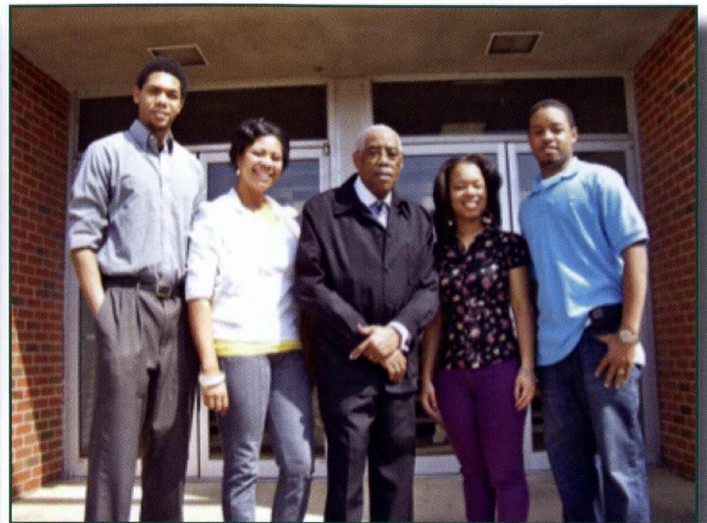
Alabama State University and Wallace Community College Selma, have a strong history of collaboration. Through the Knight vs. State of Alabama decision, ASU has an agreement with all of the two-year institutions throughout the state which allows students who meet the mandated criteria to transfer to ASU upon the completion of their degree program and receive a transfer scholarship. Moreover, the close proximity of ASU and WCCS will certainly help make the success of this effort tangible. Through this continued collaboration, we endeavor to facilitate a smooth transition from WCCS to ASU for motivated young scholars who are interested in pursuing a bachelor's degree in science, math, engineering or technology. We stand ready to aid the students through various intervention programs which will be designed to enable the students to prosper and grow into tomorrow's scientists.

During the spring of each year, the College of Science, Mathematics, and Technology at Alabama State University hosts a STEM Research Symposium. The symposium has grown over the past few years, but we would like to see involvement from community colleges as well. We wish to encourage research early in these students' careers and the STEM Research Symposium would be a perfect venue for them to demonstrate their talents. In addition to participation in the Symposium, we believe that the shadowing of graduate students and/or faculty at ASU by the community college students will afford them the opportunity to see how research is done and understand applications of various lab devices.

Wallace Community College Selma has invited ASU faculty members and graduate students to participate in a seminar series to promote interest in STEM disciplines. Faculty and students will give presentations at WCCS to demonstrate the wonders of STEM research and the impact that they could make as future STEM scholars as well. The Student Support Services (SSS) program at Wallace Community College Selma provides opportunities for academic development, assists participants with basic college requirements and serves to motivate participants toward the successful completion of their postsecondary education. The goals of SSS are to increase the college retention and graduation rates of participants and facilitate the process of transition from one level of higher education to the next. The program offers a variety of services to include personal and career counseling, academic advising, transfer assistance, professional and peer tutoring, life skills workshops, and cultural enrichment.

Similarly at ASU, the Office of Admissions and Recruitment actively recruits students from two-year institutions. As mentioned previously, the University has established a Transfer Scholarship for qualified candidates. ASU also offers several opportunities for students to acclimate themselves with the campus through outreach initiatives. The most notable of these activities are the fall and spring Connection Days and the summer orientation session for transfer students. The ASU Connection Days are the perfect opportunity for prospective students to learn more about the University and to take part in a variety of exciting activities, including departmental exhibits, greetings from University officials, college seminars, and free admission to an ASU sporting event (football/basketball). Summer orientation sessions allow students to gain insight about the university and their prospective major. Furthermore, through the activities of STEM faculty councils and various STEM student clubs and organizations at both institutions, students will have the chance to prosper in their desired degree programs.

Alabama State University



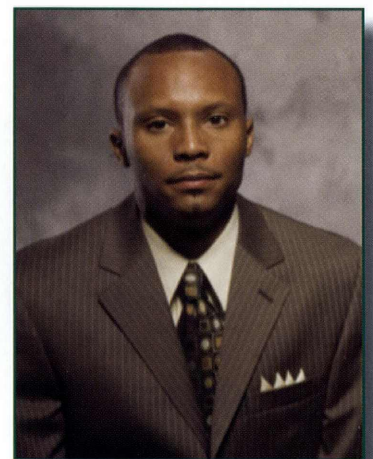
Dr. William H. Harris, President

Alabama State University (ASU) was founded in 1867, in Marion, Ala., as a school for African-Americans. The school started as the Lincoln Normal School with \$500 raised by nine freed slaves now known as the Marion Nine, making ASU one of the nation's oldest institutions of higher education founded for black Americans.

Today, Alabama State University, located in Montgomery, Ala., is a widely respected, world-class institution of higher learning which welcomes students of all races. We offer nearly 50 undergraduate and graduate degree programs, from our historic teacher education program to our strong STEM degree programs, which include a Ph.D. in microbiology.

The more than 5,600 students who attend ASU are as diverse as our academic offerings, with students from more than 40 states and various countries seeking a top-notch education that extends far beyond the walls of a classroom. Alabama State University is proud of its rich heritage and devoted to helping its students become the leaders of today and the future alike.

At ASU, you'll receive a world-class education from faculty members who have the knowledge and dedication to help make your dreams a reality. Please visit us at www.alasu.edu.



*Dr. Carl Pettis
ALSAMP Site Coordinator*

Wallace Community College



Wallace Community College Selma (WCCS) had its origin on May 3, 1963. WCCS is a member of the Alabama College Association, the largest system of higher education in Alabama. The Alabama College System is more than 30 years old and has served more than 1 million Alabamians with an enrollment of more than 100,000 today. WCCS is fully accredited by the Southern Association of Colleges and Schools (SACS) under the Commission on Colleges (COC). Wallace Community College Selma currently offers 16 technical programs.



Dr. James Mitchell, President

WCCS has become a member of the Rural Community College Initiative, making it one of 23 such colleges across the country, and developed other links and services to the West Central Alabama Region it serves. WCCS proudly serves more than 1700 students from across Central Alabama.

Wallace Community College Selma is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate in Arts, Associate in Science, and Associate in Applied Science Degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679.4501 for questions about the accreditation of Wallace Community College Selma. Initial accreditation was granted in December, 1974, and accreditation was reaffirmed in December, 1979, 1989, 1999, and 2009. The most recent institutional Self-Study report is available for review in the College Library. The College's Technical Programs are housed in classroom/shop areas located within eight different buildings. Each building is of masonry construction containing classrooms and laboratories designed to provide an excellent learning atmosphere for students. Please visit us at www.wccs.edu.



*Dr. Elijah Pugh
Chemistry Instructor*



*Auburn University and
Southern Union State Community College
Partnership Concept*



Auburn University (AU) and Southern Union State Community College (SUSCC) have partnered in the Alabama LSAMP Phase V project to provide opportunities for SUSCC students to participate in academic and enrichment activities that will ensure that they succeed and matriculate at Auburn University. These activities occur in three phases in a given year.

The first phase is the SUSCC students' spring visit to various STEM departments and laboratories at Auburn University. Students at various educational levels at SUSCC will be selected to participate in tours and hands-on activities in science, engineering, and mathematics at AU during the spring semester. The students will also be given information about Auburn University and how to apply for admission and scholarships.

The second phase of intervention will be during subsequent summer months. At least five SUSCC students will be selected to participate in the AU/SUSCC Summer Bridge program. These will be joined by other transfer students supported by other sources. The Summer Bridge program is an intensive skill-building and orientation program designed to ensure that transfer students succeed at AU. Bridge participants will register for two courses, participate in workshops in time management and study skills, conduct research in their major discipline, participate in field trips, and have the opportunity to network with the AU students, faculty, and staff. Research conducted during the summer will be presented at the statewide annual research conference.

The final phase of the partnership will be a first year merit scholarship opportunity for students attending Auburn University from SUSCC. Bridge participants that perform well academically over the summer will be eligible to receive a first year scholarship. Scholarship recipients will be eligible to serve as tour guides and lab assistants during subsequent SUSCC students spring visits, and as counselors and mentors for the AU/SUSCC Summer Bridge program.

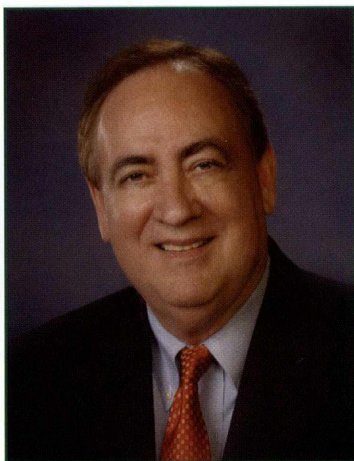
Timeline:

Spring Semester - Department/Laboratory Visits; February - Applications Available for Summer Bridge Program; March - Application Deadline for Summer Bridge Program; April - Selections made for Summer Bridge Program; May - Summer Bridge Program Starts; July - Summer Bridge Program Ends; July Merit Scholarships Announced.

Auburn University

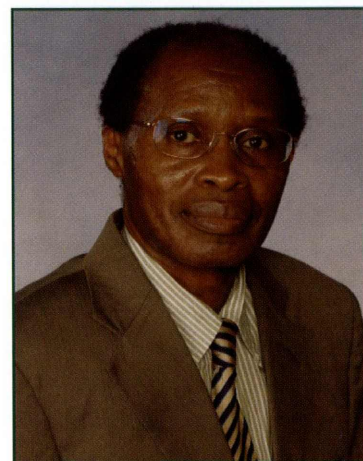


Auburn University was established in 1856 as the East Alabama Male College, 20 years after the city of Auburn's founding. In 1872, under the Morrill Act, the school became the first land-grant college in the South and was renamed the Agricultural and Mechanical College of Alabama. In 1899 the name again was changed, to the Alabama Polytechnic Institute. Finally, in 1960 the name of the school was changed to Auburn University, a title more in keeping with its location, and expressing the varied academic programs and larger curriculum of a major university.



Dr. Jay Gogue, President

Today, Auburn is one of the few universities to carry the torch as a land, sea and space grant university. Our fall 2010 semester enrollment was 25,078. Our students can choose from more than 140 degree options in 13 schools and colleges at the undergraduate, graduate and professional levels.



*Dr. Overtoun Jenda,
ALSAMP Site Coordinator*

Auburn University has developed into one of the largest universities in the South, remaining in the educational forefront with its traditional blend of arts and applied science, and changing with the needs of today while living with a respect for the traditions and spirit that are Auburn.

Southern Union State Community College



Southern Union State Community College, located in east central Alabama, is an open-door, public, two-year college operating as a part of The Alabama College System. The mission of the College is to provide quality academic, technical, and health science programs which are affordable, accessible, and responsive to the needs of the community, business, industry, and government.



*Dr. Amelia Pearson
Interim President*

Southern Union State Community College was formed on August 12, 1993, when the Alabama State Board of Education effectively merged Southern Union State Junior College, located in Wadley, Valley, and Opelika, with Opelika State Technical College in Opelika. Final approval was granted on August 11, 1994. Each partner brought to the merger a history rich in tradition of service to students.

Southern Union State Community College serves residents of an eight county area of East Central Alabama as well as neighboring Georgia counties from its campuses in Wadley, Valley and Opelika. A three-faceted educational emphasis is on academic programs for transferability, technical/vocational programs for specialized career competencies, and nursing and allied health programs for specialized training in health sciences.



*Dr. Mary Jean White
Dean of Instruction*



*Miles College and
Lawson State Community College
Partnership Concept*



- A. **Comprehensive Articulation Agreement (CAA):** The CAA applies to Miles College and Lawson State Community College for the purpose of the transference of LSCC students to Miles College who have completed a 44-hour general education core or graduated with an A.A. or A.S. degree. The agreement requires that a Transfer Advisory Committee (TAC) be established for the purpose of overseeing the adherence to the related policies, suggest refinements of the regulations, and recommend minor changes. The CAA policies extend to high school students taking college coursework at Lawson State College and will be allowed to transfer credits to a two or four year institution.
- B. **Transfer Advisory Committee (TAC):** The TAC will be appointed by the chief academic officers of both institutions (Miles College and Lawson State). Questions about the transferability of the course work under the CAA or any proposed changes to the policies, the general education core, or pre-majors must be addressed by the TAC.
- C. **Cross Institutional Collaboration:** The academic administrators of Miles College and Lawson State will work in a cooperative manner to assess transfer issues, student needs, and faculty collaboration in order to build a friendlier and more supportive environment for transfer students. This partnership requires that each institution hosts transfer students to acquaint them about career options; especially, STEM careers.
- D. **Advancing STEM Initiative:** Lawson State and Miles College agree to work cooperatively on increasing underrepresented minorities in the STEM careers. These efforts may come through sharing of resources through funded programs such as HBCU-UP, and other federally or locally funded projects. Through the National Science Foundation funded HBCU-UP Project at Lawson State, transferring STEM students will apply for scholarship or financial assistance through the same program at Miles College. Students must be competitive; therefore, no guarantee of acceptance is implied. However, Lawson State students will receive special considerations.

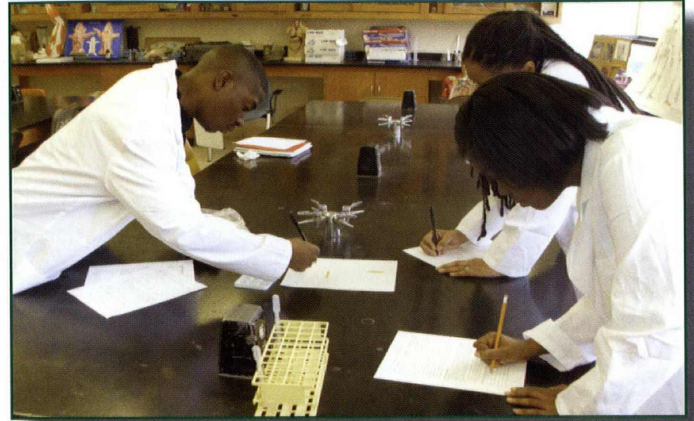
Lawson State and Miles College will work to advance the mission of the institutions (Lawson State Community College and Miles College) and the National Science Foundation using benchmark trends, institutional data, and through the implementation of model programmatic efforts.

This agreement was established on October 11, 2010. It is in effect until either party request termination of such agreement.


Dr. Karl Pruitt, Lawson State


Dr. James Langie, Miles College

Miles College



Miles College – a senior, liberal arts, church-related College with roots in the Christian Methodist Episcopal Church and in the tradition of the Historically Black College – motivates and directs its students to seek holistic development that leads to intellectual, ethical, spiritual, and service oriented lives. Guided by these core values, the Miles College education involves students in rigorous study of the liberal arts as preparation for work and life-long learning; in the acquisition of verbal, technological and cultural literacy; and in the critical community participation – all as a prelude to responsible citizenship in the global society which they will help to shape



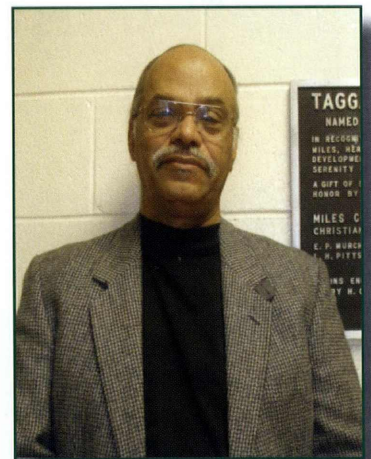
Dr. George T. French, President

For over 100 years, Miles College has provided quality education and opportunities for young people who wish to learn and prepare for life. During our centennial celebration, we observed our rich heritage as Birmingham's only senior Historically Black College and the impact it has made in the lives of our 8,000 alumni. While continuing its original purpose of providing young African-Americans with a chance for a strong college education and values of leadership and service, Miles welcomes people of all races to join its students and graduates. Miles offers 25 degrees

in six academic divisions to an enrollment of more than 1,700 students.

Originating in 1896, Miles College is accredited by the Southern Association of Colleges and Schools (SACS), the Alabama State Department of Education, and the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's degrees in 25 degree programs in six academic divisions—Business & Accounting, Communications, Education, Humanities, Natural Sciences & Mathematics, and Social & Behavioral Sciences.

Miles College is a member of the Birmingham Area Consortium for Higher Education (BACHE), a partnership among the five, four-year colleges and universities in the greater Birmingham area (Birmingham-Southern College, Miles College, Samford University, University of Alabama at Birmingham, and University of Montevallo). Created by the presidents in 1996 to advance academic excellence through collaborative activities and shared resources, BACHE enhances educational opportunities for students and provides services and support to faculty, staff and the community. Miles College is located within the city limits of Fairfield and is just two blocks from the western-most city limit of Birmingham.



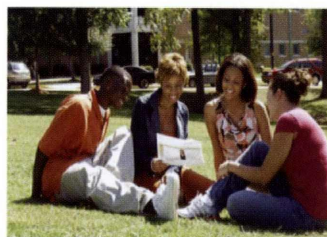
*Dr. James Langie
ALSAMP Site Coordinator*

Lawson State Community College

Lawson State Community College (LSCC) is one of 26 colleges in the Alabama Community College System which consists of comprehensive community and technical colleges along with upper division university. Lawson State Community College, originally known as Wenonah State Technical Junior College, was established by the Legislative Act Number 93, May, 3, 1963. Wenonah State Technical institute was established in 1949 as a result of the Wallace-Patterson Trade School Act of 1947 and the first class was admitted in 1950. The first president assumed the responsibilities of that office on October 30, 1964, and the initial classes began on September 30, 1965. In 2005, the college officially merged with Bessemer State Technical College but maintained its name. In 1947, the Alabama Legislature passed the Regional Vocational and Trade Shop Act, which approved the creation of five regional trade schools. During the 1963 legislative session, a state network of technical and junior colleges was approved to enhance the quality of postsecondary education by making it accessible and affordable (Education Commission of the States 2002). The college moved from a technical institute to a junior college. In 1973, three technical colleges and two junior colleges were designated as comprehensive community colleges. At that time, Lawson State became a community college. Since its inception, it has had four presidents: T.A. Lawson, Dr. Leon Kennedy, Dr. Jessie Lewis, and, Dr. Perry W. Ward.



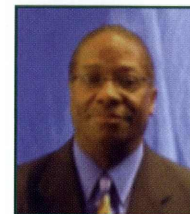
Dr. Perry W. Ward
President



The enrollment is approximately 8,300 students for credit and non credit courses for the 2009 -2010 Academic Year. Currently there are 81 students with majors in biology, 11 with majors in mathematics, 35 majoring in pre-engineering, and approximately 200 other STEM-related majors.. These students are pursuing an Associate Degree in one of the STEM related fields, and plan to matriculate to a four year senior institution. LSCC is actively formulating collaborative agreements with Miles College and the University of Alabama in Birmingham for our STEM students to complete a Bachelors degree or higher in a STEM- related field.



Dr. Bruce Crawford
Vice President



Dr. Karl Pruitt
Associate Dean

Most recently Lawson State Community College was named "One of the Nation's Top 50 Community Colleges" by the *Washington Monthly*, 2010.





*Oakwood University and
Calhoun Community College
Partnership Concept*



Oakwood University and Calhoun Community College will work together through a number of activities to facilitate the transfer, and enrollment in STEM majors, of community college students. These activities include joint seminars, scholarships, recruiting days on both campuses and visits from prospective students to the various STEM departments.

There will be an orientation given to all transfer students when they enroll at Oakwood. Faculty from both institutions will collaborate to ensure that courses will transfer without any problems. Transfer students will be assigned mentors to assist in the adjustment to Oakwood.

The academic administrators of Oakwood University and Calhoun Community College will work in a cooperative manner to assess issues, student needs and faculty collaboration in order to build a friendlier and more supportive environment for transfer students. This partnership requires that each institution hosts transfer students to acquaint them about career options; especially, STEM careers.

Oakwood University and Calhoun Community College agree to work cooperatively on increasing underrepresented minorities in the STEM careers. These efforts may come through sharing of resources through funded programs such as ALSAMP, HBCU-UP, and other federally or locally funded projects.

Oakwood University and Calhoun Community College will work to advance the mission of the institutions (Oakwood University and Calhoun Community College) and the National Science Foundation using benchmark trends, institutional data and through the implementation of model programmatic efforts.

Oakwood University



Dr. Leslie Pollard, President

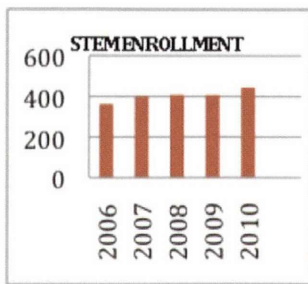


*Dr. Kenneth LaiHing
ALSAMP Site Coordinator*

Oakwood University, founded in 1896, is a Historically Black, Seventh-day Adventist, four-year private, liberal arts institution located in Huntsville, Alabama. Its mission embodies access to educational opportunity, academic excellence, and spiritual development for persons reflecting demographic, economic, cultural and educational diversity.

Since 1896, Oakwood has provided students the opportunity to enter its halls of learning in preparation for service to community, country, and the world. The University is regionally accredited by the Southern Accrediting Association of Colleges and Schools and the General Conference of Seventh-day Adventists Department of Education. It offers a liberal arts curriculum in a Christ-centered atmosphere.

STEM departments award the following degrees: Bachelor of Science in Biology, Biology Education, Biochemistry, Biomedical Sciences, Chemistry, Chemistry Education, Mathematics, Computer Sciences, and Natural Sciences. Enrollment for Fall 2010 was 1,915 students of whom 453 were STEM majors.



Calhoun Community College

Calhoun Community College exemplifies the two-year college mission of commitment to excellence in teaching and service and is the region's leader in education and workforce development.

The largest of the two-year institutions comprising The Alabama Community College System, Calhoun is an open-admission, community-based, state-supported, coeducational, comprehensive community college dedicated to providing affordable, high-quality and accessible education to individuals in its four-county service area.



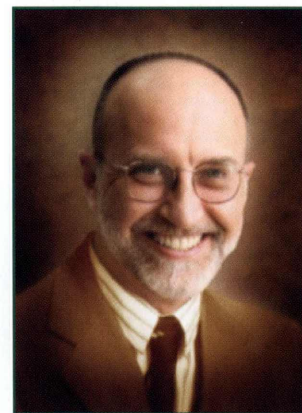
Dr. Marilyn Beck, President

Offering 49 associate degree programs and 52 career/certificate programs, Calhoun serves just over 11,300 students at its 110-acre Decatur campus; its Huntsville/Cummings Research Park site; and at the Limestone Correctional Facility (click here to see campus maps). The college's faculty and staff are well qualified and remain current in their areas of expertise. Over 80 percent of the full-time faculty possess' at least a master's degree, and approximately 15 percent hold the doctorate.

For over 62 years, Calhoun has been an active member of North Alabama. Graduates of the college permeate the community, and many of them have gone on to complete baccalaureate degrees at other institutions in the area, or have entered the work force after successfully completing programs of study and training.

Calhoun successfully continues to meet the educational and training demands of a unique and highly diverse population. The college also is committed to providing training and education for area business and industry through our Business, Technologies & Workforce Development division.

As an institution on the cutting edge of providing excellence in teaching and service, Calhoun has enjoyed local, state, regional, and national distinction. Since 1989, the college has experienced national attention through having seven of its students named as the top community college student in the nation.



*Mr. James Duke, Dean
Division of Mathematics and
Natural Sciences*



*Talladega College and
Gadsden State
Partnership Concept*



Talladega College and Gadsden State Community College welcome the opportunity provided by the ALSAMP program to continue to work as partners in promoting the good and progress of students at both institutions.

Gadsden State will provide a pathway for Gadsden State students to enter Talladega College. Talladega College will provide National Science Foundation scholarship funds to selected Gadsden State science and mathematics students to attend Talladega College. The ALSAMP site coordinators at these partner institutions will coordinate these programs. The partnership will further enhance and promote the recently approved articulation agreement between Gadsden State and the FAST-Track Program Talladega College.

Terms and Responsibilities:

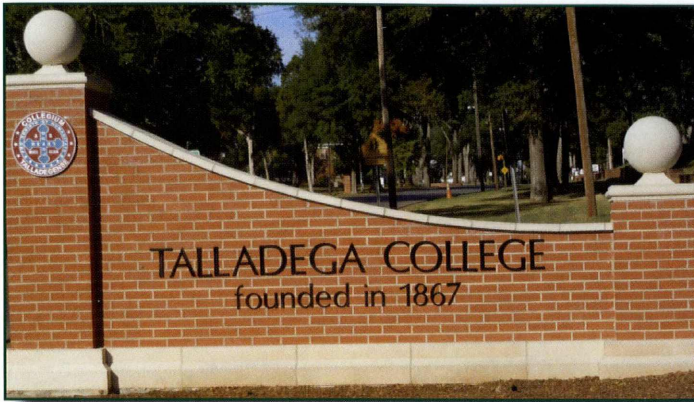
Talladega College

1. Talladega College will align the mathematics courses offered at Talladega College with the Mathematics Courses offered at the Community Colleges, including Gadsden State, in the State of Alabama.
2. Talladega College representative will visit Gadsden State periodically to discuss scholarship opportunities with students and faculty.
3. Talladega College will sponsor visits to Talladega College for Gadsden State science and mathematics students.
4. Talladega College will select at least one qualified science or mathematics student annually to receive a scholarship. Scholarship recipients must have at least a GPA of 3.0

Gadsden State Community College

1. The ALSAMP Site Director will serve as host for Talladega representative's campus visits.
2. The director will assist with the annual selection of a scholarship student.
3. The director will attend annual meetings of all Alabama institutions and their community college partners at UAB.
4. GSCC will be included in the NSF grant as a community college partner.

Talladega College



Talladega College is a small, private, independent, four-year, co-educational, liberal arts college located in Talladega, Alabama. Among the oldest of the Historically Black Colleges and Universities, Talladega College, with the Assistance of the American Missionary Association, was founded in 1867 by the descendants of the slaves who helped build what was to become its first building, Swayne Hall, now a national historic site. Although its student population has been predominantly African-American, Talladega College

was the first institution in the state of Alabama to admit qualified persons of any race or ethnic origin. The College actively recruits individuals of all races and religions from all regions of the country and welcomes international students. It boasts of a dedicated international faculty with outstanding credentials, sixty-two percent (62%) of whom hold the earned doctorate.



Dr. Billy C. Hawkins, President

Talladega College is located in an historic district of the city of Talladega, Alabama. The campus is on a plateau about 700 feet above sea level in the heart of a fertile valley in the foothills of the Blue Ridge Mountains. The campus is a quiet place, away from the distractions and fast pace of urban living.

Talladega's main campus includes 39 buildings on 50 acres, surrounded by the city and gently rolling woodlands. The beautiful oak-lined campus boasts several historic landmarks: Swayne Hall (1852), the original school house has been extensively renovated and used, among other things, for classrooms and conference rooms; the President's House (1881); DeForest Chapel (1903), that houses the famous 17 stained windows by David C. Driskell; and the Savery Library (pictured) (1939), the home of the Amistad Murals by the famed artist Hale Woodruff.

Talladega College is a top liberal arts institution committed to promoting excellence and accessibility in education.



*Dr. Silas Edet
ALSAMP Site Coordinator*

Gadsden State Community College



Choose your direction at Gadsden State!

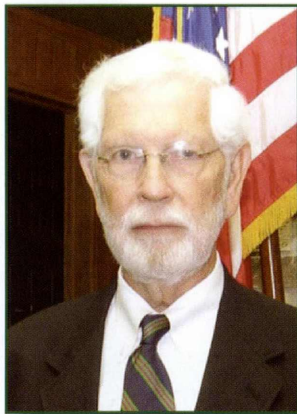


Gadsden State Community College, located in Gadsden, Alabama, is a public, open door comprehensive community college dedicated to meeting the needs of its students, industry and the community. Gadsden State is comprised of four campuses, Valley Street Campus, East Broad Street Campus, Wallace Drive Campus, and Harry M. Ayers Campus. In addition, Gadsden State Community College operates centers in Anniston/McClellan and Cherokee County and has instructional sites

at St. Correctional Facility, Pell City High School, and Cleburne County High School. The Valley Street Campus is the second oldest component of Gadsden State Community College and was established in 1960 as Gadsden Vocational Trade School, a private training facility. Two years later the State of Alabama assumed ownership

of the school and in 1972 renamed it Gadsden State Technical Institute. Recognizing Gadsden State Community Colleges commitment to diversity and inclusiveness, the U.S. Department of Education designated the Valley Street Campus (formerly Gadsden State Technical Institute) as a "Historically Black College/University" (HBCU) in November of 1997. Gadsden State provides students with opportunities for education, personal, and professional advancement. A wide range of courses prepares students to transfer successfully to four-year institutions. Technical programs equip students to master skills needed for their respective area(s). Though formal learning is a priority at Gadsden State, the college recognizes that non-academic

activities provide opportunities for personal growth. The College provides opportunities for interaction of students with a variety of cultural, recreational, political and entertainment experiences. At Gadsden State, the success of students is our top priority.



*Dr. William O. Blow
Interim President*



*Dr. Valerie Richardson
Vice President*



*Mr. Carl Byers
Valley Street HBCU
Campus Director*

Gadsden State Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate in Science, Associate in Arts, and Associate in Applied Science degrees. We invite you to visit our web-site at www.gadsdenstate.edu.



*Tuskegee University and
Chattahoochee Valley Community College*



Partnership Concept

Introduction:

Tuskegee University and Chattahoochee Valley Community College agree to form a partnership agreement designed primarily to attract students to attend Tuskegee University to obtain baccalaureate degrees primarily in STEM disciplines. Dr. Herman L. Windham and Dr. Salman Elawad shall be the lead individuals responsible for implementing this agreement and shall be the main contact persons. They shall be responsible for ensuring that effective communication exists between the two institutions. Key elements involved in this agreement are outlined below.

1. Course Articulation Agreement:

Tuskegee University: Tuskegee University shall be responsible for developing a course articulation agreement with its partner, Chattahoochee Valley Community College, and with any future partners. This articulation agreement shall be available in Tuskegee's key administrative offices and shall be available to all academic advisors in the various colleges. This agreement shall be strategically placed for easy access by faculty and students.

Chattahoochee Valley Community College: Chattahoochee Valley Community College shall be responsible for placing the course articulation agreement with Tuskegee University in key administrative offices and shall make it easily accessible to all academic advisors, admission recruiters, faculty and students.

2. Degree Requirements:

Tuskegee University: Tuskegee University shall be responsible for making available to Chattahoochee Valley Community College the degree requirements for its various disciplines.

Chattahoochee Valley Community College: Chattahoochee Valley Community College shall be responsible for making available to its students the various degree requirements for disciplines at Tuskegee University. These degree requirements shall be strategically placed for easy access by admission recruiters, academic advisors, faculty, students, and other key administrative personnel.

3. Recruitment Efforts:

Tuskegee University: Tuskegee University shall be responsible for developing additional strategies to recruit students from Chattahoochee Valley Community College. Presently, Tuskegee University hosts each semester an Open House Recruitment Day and Chattahoochee Valley Community College always brings students to the campus.

Chattahoochee Valley Community College: Chattahoochee Valley Community College shall be responsible for developing additional strategies to encourage students to attend Tuskegee University. Chattahoochee Valley Community College shall continue to actively participate each semester in Tuskegee's Open House Recruitment Day.

Tuskegee University

Tuskegee University is an independent and state-related institution of higher education. Its programs serve a student body that is coeducational as well as racially, ethnically and religiously diverse. With a strong orientation toward disciplines which highlight the relationship between education and work preparation in the sciences, professions and technical areas, Tuskegee University also emphasizes the importance of the liberal arts as a foundation for successful careers in all areas.

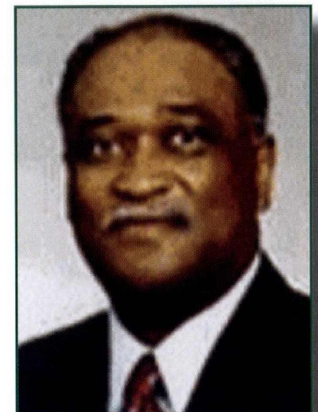
Tuskegee University is located in Tuskegee, Ala., which is 40 miles east of the Alabama State Capital in Montgomery, Ala., and 20 miles west of the city of Auburn, Ala. It is also within easy driving distance to the cities of Birmingham, Ala., and Atlanta, Ga.



*Dr. Gilbert L. Rochon
President*

Other special features which enhance the educational and cultural environment of the University include; the Booker T. Washington Monument, "Lifting the Veil," which honors the University's founder; George Washington Carver Museum (named for the distinguished scientist who worked at Tuskegee), which preserves the tools and handiwork of Carver; Tuskegee Archives, a chief center for information on the challenges, culture and history of black Americans since 1896; Tuskegee Airmen's Plaza, commemorating the historic feats of America's first black pilots, who were trained at Tuskegee University; Reserve Officers Training Corps (ROTC) Center, and Center for Continuing Education---a nucleus for continuing adult education.

Over a century since it was founded by Booker T. Washington in 1881, Tuskegee University has become one of our nation's most outstanding institutions of higher learning. While it focuses on helping to develop human resources primarily within the African-American community, it is open to all. Tuskegee's mission has always been service to people, not education for its own sake. Stressing the need to educate the whole person, that is, the hand and the heart as well as the mind, Washington's school was soon acclaimed---first by Alabama and then by the nation for the soundness and vigor of its educational programs and principles. The solid strength has continued through the subsequent administrations of Dr. Robert R. Moton (1915-1935), Dr. Frederick D. Patterson (1935-1953), Dr. Luther H. Foster (1953-1981) and Dr. Benjamin F. Payton (1981-2010). On Nov. 1, 2010, Dr. Gilbert L. Rochon took office as the University's sixth president.



*Dr. Herman Windham
ALSAMP Site Coordinator*

Tuskegee enrolls more than 3,000 students and employs approximately 900 faculty and support personnel. Physical facilities include more than 5,000 acres of forestry and campus on which sits more than 100 major buildings and structures. Total land, forestry and facilities are valued in excess of \$500 million. Please visit us at www.tuskegee.edu.

Chattahoochee Valley Community College



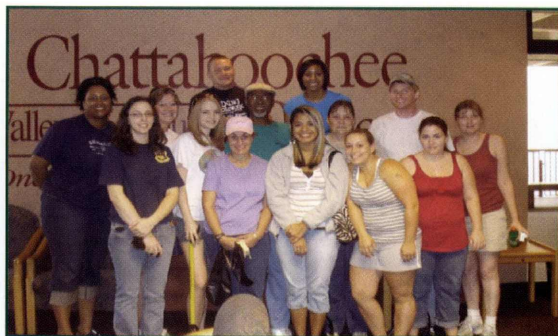
Chattahoochee Valley Community College (CVCC), located in Phenix City, Alabama, was established in 1973. The college was created to serve the citizens of Russell County and parts of Bullock, Lee, Macon, and Barbour counties. It also serves the citizens of Fort Benning-Columbus, Georgia, metropolitan area. Because this service area contains both rural and urban areas, the educational needs of the citizens are varied.



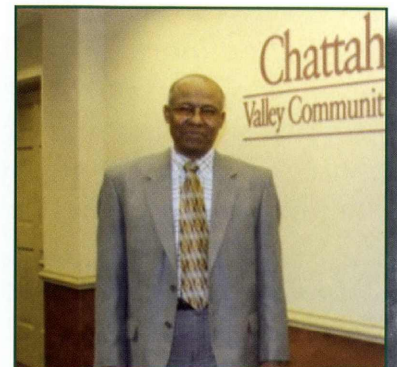
Dr. Philip Cleveland, President

Each fall the college enrolls approximately 2,000 students including 200 dual-enrolled students from local high schools. The 103-acre site of the College includes ten permanent buildings:

an administration/classroom building, a general purpose classroom building, a student services center, a learning resource center, a work force development building, a math/



science building, a fine arts building, instructional and performing arts center, a gymnasium, a greenhouse, and a security kiosk. The campus includes Workforce Development Division and Public Safety Academy. The Workforce Development Division provides basic skills and job-readiness training. Through its Public Safety Academy, CVCC provides associate degrees and certificates allowing for job opportunities in the region's only comprehensive Emergency Responder Program as well as Homeland Security, Criminal Justice and Fire Science. CVCC and Troy University share a bookstore. The CVCC campus is located at 2602 College Dr., across the street from Troy University, and across the Chattahoochee River from Fort Benning-Columbus, Georgia. Visit CVCC at www.cv.edu.



Dr. Salman Elawad, Biology Instructor

For a number of years, Shelton State students have participated in various STEM Research Experiences for Undergraduates (REU) summer programs that have been held on The University of Alabama (UA) campus. The students who participated in those REU programs planned to transfer to UA after completing their Associate Degree at Shelton. The partnership concept for The University of Alabama and Shelton State Community College builds on this relationship that exists between the two institutions.

Summer REU Programs

UA plans to continue to recruit STEM students from Shelton to participate in summer REU programs on UA's campus. Preference will be given to students who plan to complete their Associate Degree at Shelton prior to transferring to UA. The purpose of this activity is to acquaint Shelton students with UA faculty and campus life prior to transferring in the hopes of easing the transition upon transferring.

Academic Year Activities

A number of activities are planned throughout the academic year to further enhance interactions between Shelton students and UA faculty, students and staff prior to transferring.

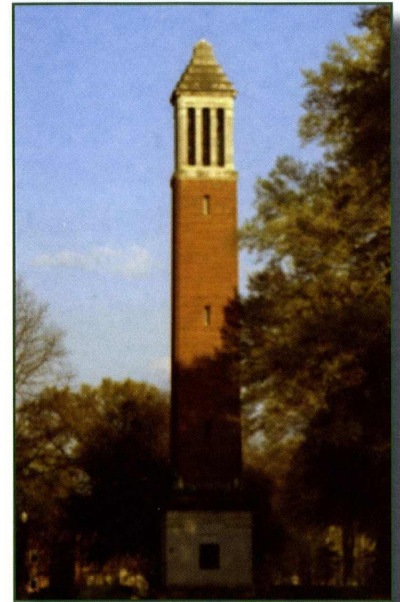
STEM Student Group Participation – UA has a number of active student organizations in the various STEM majors. Some of these organizations are discipline specific (e.g. American Society for Mechanical Engineers, ASME; American Chemical Society, ACS) while others address the needs of underrepresented groups in the STEM majors (e.g. National Society of Black Engineers, NSBE; National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, NOBCChE). STEM students at Shelton will be invited to attend meetings and activities that are sponsored by these UA student organizations.

STEM Seminars – The STEM academic departments throughout UA's College of Engineering and College of Arts and Sciences host weekly seminars that are presented by visiting scientists and researchers. Announcements for these seminars will be provided to the STEM coordinator at Shelton State Community College. The STEM coordinator will encourage Shelton students to attend these seminars.

Student-Centered Research Projects – The Shelton students who participate in a summer REU program at UA will be provided the opportunity to continue their research projects during the academic year at UA. The goal is to further assist in easing the transition for the Shelton transfer students.

The University of Alabama

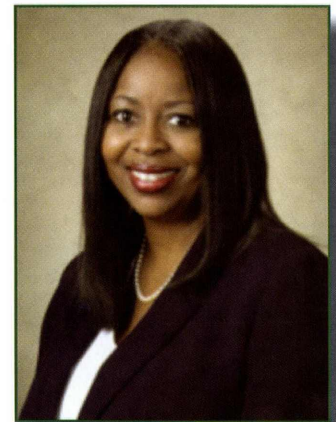
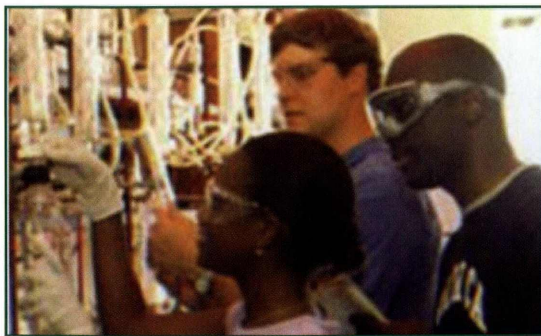
The University of Alabama (UA) is a major, comprehensive, student-centered research university founded in 1831 as Alabama's first public college. Dedicated to excellence in teaching, research and service, it provides a creative, nurturing campus environment where students can become the best individuals possible, learn from the best and brightest faculty, and make a positive difference in the community, the state and the world. Not only is UA the oldest public university in the State of Alabama but also, in 1837, UA became the first in the state to offer engineering classes. It was one of the first five in the nation to do so and one of the few to have maintained accreditation continuously since national accreditation began in 1936. The University of Alabama is the largest university in Alabama with an enrollment of 30,232, which includes 4,869 graduate students.



Dr. Robert E. Whitt, President

The University of Alabama is ranked among the top 50 public universities in the nation for the ninth consecutive year in *U.S. News and World Report's* annual college rankings, fall 2009. The University of Alabama ranked 10th in the nation among public universities in the enrollment of National Merit Scholars in the 2009 freshman class and led the nation with a record 10 students named to *USA Today's* 2010 All-USA College Academic Team. UA is also a leader in the enrollment of National Achievement Scholars, a recognition awarded to top African-American students, ranking 3rd among public universities

and 16th among all universities. UA is #1 in the nation in enrollment and graduation of minority doctoral students under the Southern Regional Education Board's (SREB) Minority Doctoral Scholars Program. A total of 66 SREB fellows have completed their doctorates at UA, and 20 SREB doctoral fellows are currently enrolled in this program that encourages minority students to pursue doctoral degrees and become college-level professors.

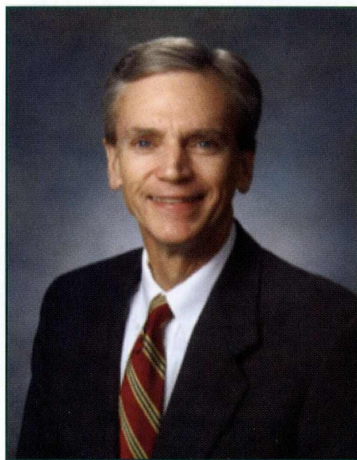


Dr. Viola Acoff
ALSAMP Site Coordinator

Its world-class faculty, staff and students are leading the way as we work to make sure that our research efforts continue to make a hands-on difference in the lives of the people we serve. In doing so, it is transforming the state's oldest and largest university into one of the nation's premiere student-centered research institutions.

Shelton State Community College

Shelton State Community College was established by resolution of the Alabama State Board of Education on January 1, 1979. That resolution combined Shelton State Technical College, established in 1952, and the Tuscaloosa campus of Brewer State Junior College, which opened in 1972. As one of the 26 state community and technical colleges, Shelton State serves a six county region of west Alabama.

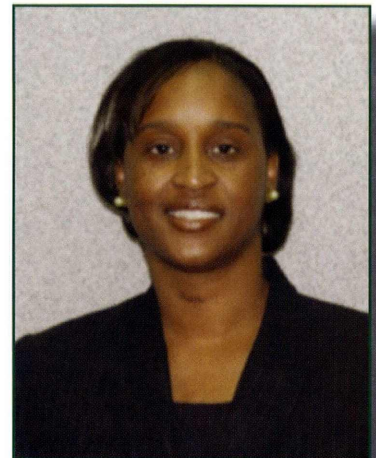


Dr. Mark Heinrich, President

In 1994, Shelton State merged with C.A. Fredd State Technical College (1963) in Tuscaloosa, one of the nation's Historically Black Colleges and Universities. In 1997, the opening of the Martin campus of Shelton State in south Tuscaloosa eased an overcrowded student population.

Also in 1997, in recognition of its contributions to art, music, dance, and theater, the state legislature designated Shelton State as Alabama's Community College of the Fine Arts. The next year, Shelton State and Theatre Tuscaloosa co-founded the Alabama Stage and Screen Hall of Fame to honor significant contributions of state celebrities. Shelton State has incorporated the West Alabama Center for Workforce Development, the state's Poison Control Center, and extensive programs in adult, community education, and training for business and industry.

In 2009, Shelton State Community College enters its fourth decade of service to the people of Bibb, Green, Hale, Pickens, Sumter, and Tuscaloosa counties with a bustling enrollment, an exceptional faculty and staff, and a bright future.



*Dr. Freida Dale
Instructional Support Coordinator*



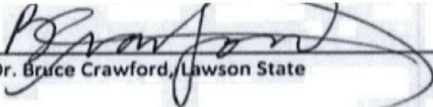
*The University of Alabama at Birmingham and
Lawson State Community College
Partnership Concept*



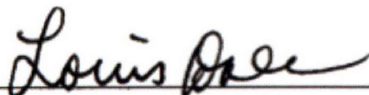
- 1) **UAB Connections Initiative:** UAB Connections is a transfer-student advising program established on the two-year institution campuses: The Lawson State-UAB Connections Program provides on a weekly basis an advisor to the Lawson State campuses to assist interested transfer students with personalized counseling. Lawson State provides space for the UAB admissions counselor to gain access to its students. The UAB admissions counselor will be able to advise students on the admission requirements, transfer guides, and assist students in completing the appropriate paperwork for admissions, STARS agreement and financial aid. Also shared with the students are scholarship requirements.
- 2) **Cross Institutional Collaboration:** The academic administrators of UAB and Lawson State will work in a cooperative manner to assess issues, student needs, and faculty collaboration in order to build a friendlier and more supportive environment for transfer students. This partnership requires that a *UAB Day at Lawson State* be hosted at Lawson and a *Lawson State Day at UAB* to be hosted on the campus of UAB.
- 3) **Advancing STEM Initiative:** Lawson State and UAB agree to work cooperatively on increasing under-represented minorities in the STEM careers. These efforts may come through sharing of resources through funded programs such as ALSAMP, HBCU-UP, and other federally or locally funded projects. Through the National Science Foundation funded HBCU-UP Project at Lawson State, transferring STEM students will apply for scholarship or financial assistance through the NSF funded ALSAMP program at UAB. Students must be competitive; therefore, no guarantee of acceptance is implied. However, Lawson State students will receive special considerations.

Lawson State and UAB will work to advance the mission of the institutions (Lawson State Community College and University of Alabama at Birmingham) and the National Science Foundation using benchmark trends, institutional data, and through the implementation of model programmatic efforts.

This agreement was established on the October 11, 2010. It is in effect until either party request the termination of such agreement.


Dr. Bruce Crawford, Lawson State


Dr. Carolyn Braswell, UAB


Dr. Louis Dale, UAB

The University of Alabama at Birmingham

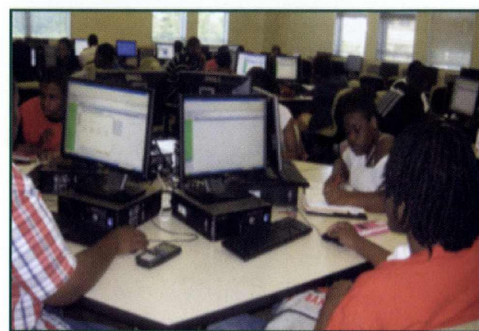
The University of Alabama at Birmingham was established a modest extension center in a two-story clapboard house, with an enrollment of 116 students in 1936. In 1945 The Medical College of Alabama was established in Birmingham, and sought to recruit some of the brightest scientific and medical minds from around the globe. In 1969, these and other programs were merged into the autonomous campus of the University of Alabama at Birmingham. In the four decades since, this young, dynamic university has thrived on that same boldness and innovation to continue pushing the frontiers in science, medicine, the arts and the humanities – and has garnered national and international respect.



Dr. Carol Z. Garrison
President

The Princeton Review has called UAB “truly a great American melting pot of different cultures, religions, and races” and ranked the university third nationally in “diverse student population.” That ranking is based on more than demographics. At UAB diversity runs deeper than the data; there is sense of genuine community and appreciation for students’ individuality. It’s an environment that mirrors today’s world and prepares students for a successful and meaningful career—and life—that benefits society. UAB has a longstanding commitment to diversity among its student body, faculty and staff. Over

the past 5 years, for example, the number of degrees awarded to African-Americans has increased by 29% (547 to 707).



- *Ranked among the top 15 percent of U.S. colleges and universities by The Princeton Review*
- *Attracts over \$400 million annually in external research funding and ranks consistently in the top 25 nationally in funding from the National Institutes of Health.*
- *Named among the Top 5 Best Places to Work in Academia by The Scientist in 2008*
- *Among 96 public and private universities (and the only Alabama university) classified as an institution of “very high research activity” by the Carnegie Foundation.*

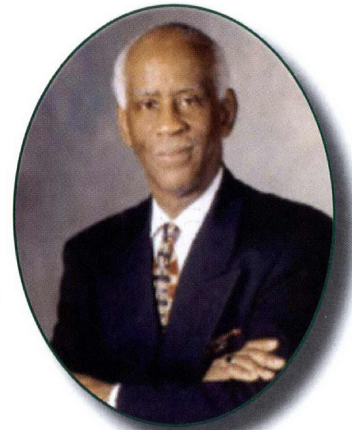
At the same time, UAB has reached out and partnered with its community and state, sharing a vision and phenomenal progress over a half century. UAB’s growth as a world-renowned research university and medical center has driven the social, cultural, and economic revival of Birmingham. Consequently, The Carnegie Foundation recognizes UAB not only in its highest tier for “research activity,” but also in its “Community Engagement” category, making this university one of a select few nationally to achieve both classifications. From the beginning, UAB’s character and culture have been about breaking through and transcending traditional boundaries among disciplines, to conduct intensely collaborative research and scholarship. Visit us at www.uab.edu.



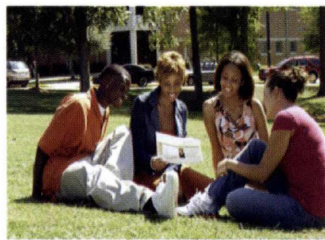
Dr. Carolyn Braswell
ALSAMP Co-Principal
Investigator

Lawson State Community College

Lawson State Community College (LSCC) is one of 26 colleges in the Alabama Community College System which consists of comprehensive community and technical colleges along with upper division university. Lawson State Community College, originally known as Wenonah State Technical Junior College, was established by the Legislative Act Number 93, May, 3, 1963. Wenonah State Technical institute was established in 1949 as a result of the Wallace-Patterson Trade School Act of 1947 and the first class was admitted in 1950. The first president assumed the responsibilities of that office on October 30, 1964, and the initial classes began on September 30, 1965. In 2005, the college officially merged with Bessemer State Technical College but maintained its name. In 1947, the Alabama Legislature passed the Regional Vocational and Trade Shop Act, which approved the creation of five regional trade schools. During the 1963 legislative session, a state network of technical and junior colleges was approved to enhance the quality of postsecondary education by making it accessible and affordable (Education Commission of the States 2002). The college moved from a technical institute to a junior college. In 1973, three technical colleges and two junior colleges were designated as comprehensive community colleges. At that time, Lawson State became a community college. Since its inception, it has had four presidents: T.A. Lawson, Dr. Leon Kennedy, Dr. Jessie Lewis, and, Dr. Perry W. Ward.



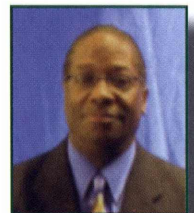
Dr. Perry W. Ward
President



The enrollment is approximately 8,300 students for credit and non credit courses for the 2009 -2010 Academic Year. Currently there are 81 students with majors in biology, 11 with majors in mathematics, 35 majoring in pre-engineering, and approximately 200 other STEM-related majors.. These students are pursuing an Associate Degree in one of the STEM related fields, and plan to matriculate to a four year senior institution. LSCC is actively formulating collaborative agreements with Miles College and the University of Alabama in Birmingham for our STEM students to complete a Bachelors degree or higher in a STEM- related field.



Dr. Bruce Crawford
Vice President



Dr. Karl Pruitt
Associate Dean

Most recently Lawson State Community College was named "One of the Nation's Top 50 Community Colleges" by the *Washington Monthly*, 2010.





*The University of South Alabama,
Bishop State Community College and
Faulkner State Community College
Partnership Concept*



- 1) Contact personnel at the four-year institution:
USA: The University of South Alabama will provide and maintain a short list of contacts knowledgeable in degree opportunities and requirements. Currently, Susan Brochu (for Engineering) and Dr. Nancy Howell (for Arts & Sciences) are the appropriate contacts.
Bishop State: This contact information provided by USA will be on file in the assistant to the dean's office and in Dr. Malone's office files. The Dean of Instructional Services at Bishop State Community College and Dr. Malone offers assurance that the contact information of all persons involved will be maintained and shared at the College. Scholarship information will be treated similarly: BSCC would make sure that we insert a link to inform students of the availability of scholarships at USA. The College administration team agrees that all scholarship information shall be provided to the Financial Aid Office, all counselors, and the Scholarship Committee for student dissemination.
Faulkner State: Faulkner State Community College will act upon any inquiries via Mr. Tremaine Pimperl. This contact will be responsible for directing requests and supplying pertinent institution personnel at FSCC with updated information based on the content and implementation of the partnership.

- 2) Dual Enrollment:
USA: Community College students are welcome and encouraged to take courses at USA that are required for their major but not offered at the two-year institution. In order to ease the financial burden on students, USA is willing to sign consortium agreements with the two-year institutions, which will allow students to use their financial aid money to pay for courses taken at USA. Students taking classes here at USA will also be given access to the resources necessary to their respective majors (e.g., libraries, laboratories, computer labs, etc.).
Bishop State: BSCC will encourage students to enroll in their major courses at USA while attending Bishop State Community College (BSCC). This information will be communicated to all advisors so that they may properly assist students in choosing the appropriate courses.
Faulkner State: FSCC is willing and highly interested in establishing a consortium agreement for the purpose of connecting students wishing to participate in specialized courses, such as the EG283 Statics course, to financial aid portals not currently available.

- 3) Offering major-specific courses at the two-year institution:
USA: The College of Engineering is working with Faulkner State Community College to offer the sophomore-level Statics course, taught by USA faculty, at the two-year institution. Requisite for this venture to succeed is sufficient enrollment and strong collaboration between the two campuses
Bishop State: Bishop State currently lacks the enrollment in courses of this type. We have increased our enrollment of students taking Introductory Physics and, if this course is an option, we definitely have the enrollment required.
Faulkner State: We have established contacts and have begun implementation of an Engineering-Club to coordinate information and demand. Our current goal is to establish an Engineering Statics course beginning in spring of 2011 and offer it recurrently each spring. FSCC is working towards other offerings as demand requires.

- 4) Transfer-Student Advising on the two-year institution campus:
USA: The University of South Alabama as a whole, as well as the College of Engineering, and the College of Arts & Sciences would like to send advisors to the two-year institution campuses to provide interested transfer students with personalized counseling. A strong and very fruitful collaboration of this nature is already in place between the College of Engineering and Faulkner State Community College.
Bishop State: We invite USA to do the same with those students that are identified as STEM area majors at BSCC. Large group counseling sessions can be done each semester. Our counselor on the main campus, Dr. Victoria Perry, would be willing to assist in identifying and scheduling appointments to make such an effort achievable.
Faulkner State: This effort is currently under way. Representatives from the Engineering Department come over and talk to our students on visitations during our Wednesday club break and also during some of their higher math classes.
- 5) Cross-College Communication
USA: The University of South Alabama and Bishop State Community College are currently engaged in a "Faculty Partnership" program. This program links faculty in English and Math from the two institutions. Faculty visit each other's classes and discuss topics such as the number and kind of exams given, which chapters are covered in the text, whether calculators are allowed or not, grading rubrics for essays, etc. The goal of this partnership is to help the two year college prepare its students for success at the four-year institution.
Bishop State: Two instructors have been assigned to the Faculty Partnership committee. We have invited instructors to observe our mathematics and English classes and are planning to meet to discuss the observations. We have jointly agreed to use best teaching practices so that students from the community college can have a greater chance at success at the four-year institution. Our Dean of Instructional services helped to spearhead the process and is very excited about the venture.
Faulkner State: Faulkner State is willing and highly interested in establishing directed dialogue that will strengthen the success of students enrolling in Engineering and Mathematics courses at four year institutions. The Division of Math and Engineering at FSCC is ready to begin this exchange with the Mathematics Division at USA as early as February of 2011. We are already doing this with EGR101 and EGR125 courses offered last year at FSCC. These courses have been set and syllabi created in accordance with the desires and procedures of current USA offerings via the Dean of Engineering, Dr. John Steadman.
- 6) Support for Outreach programs
USA: Each semester, the University of South Alabama puts on USA Day for incoming student. This event helps students get acquainted with the campus and the opportunities available. Furthermore, once a year, the University of South Alabama puts on a special session for incoming minority students. Usually it is held the Friday night before spring USA Day.
Bishop State: Bishop State Community College will gladly promote and encourage student participation for student activities that are being held at USA. The Public Relations director and the Dean of Students will assist in communicating this information to the students.
Faulkner State: FSCC will advertise and promote these programs through its Engineering Club. We have already coordinated a visit from the EGR division at USA to bring students over and set up displays during our club hour on Wednesdays.

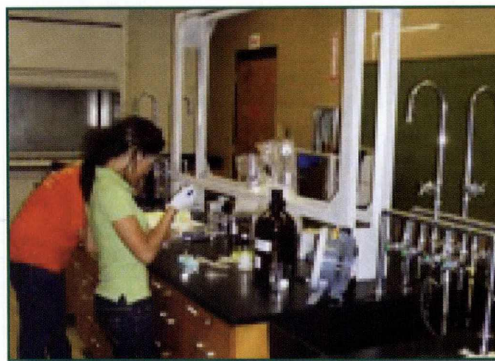
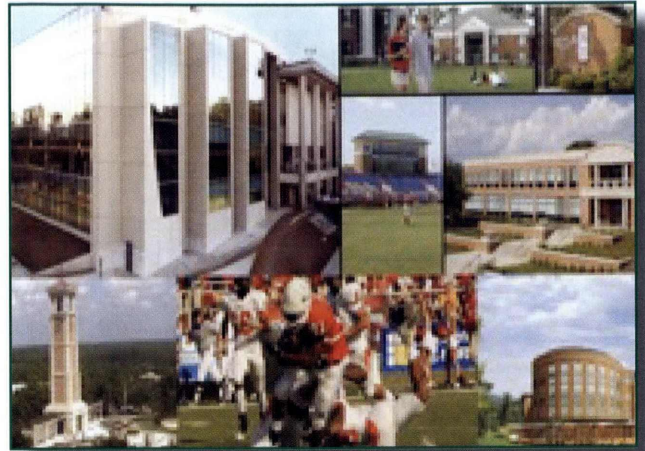
The University of South Alabama

The University of South Alabama (USA) is a comprehensive public institution that was founded in 1963. The university has experienced continual growth in the size of the student body (presently ~15,000) and in campus facilities. In recent years, there has been a major building program on the main campus. Currently six buildings are under construction or recently completed including state-of-the-art buildings for Allied Health and Engineering.



Dr. Gordon Moulton, President

Degrees are available in Allied Health Professions, Arts and Sciences, the Mitchell College of Business, Education, Engineering, Nursing, Computer and Information Sciences, Continuing Education and Special Programs, and the Graduate School. USA also boasts an outstanding College of Medicine and clinical facilities, in addition to USA Medical Center and USA Children's and Women's Hospital. USA offers a residential university for students of traditional age, but also serves as an urban university that provides learning for people across the life span.



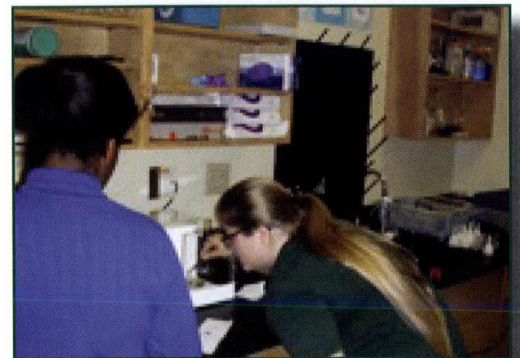
Research and scholarly activity take place primarily on the 1200 acre main campus in suburban west Mobile. The campus houses the academic colleges and most of the research related buildings. The Dauphin Island Sea Lab located on the shore of the Gulf of Mexico supports extensive and varied marine based research.



*Dr. Alexandra Stenson
ALSAMP Site Coordinator*

All students have access to email, digital access to libraries, computer labs, wireless internet, and other computer related resources. The libraries of the University of South Alabama consist of the University Library, the Charles M. Baugh Biomedical Library, Mitchell College of Business Learning Resource Center, University Archives, Medical Center Library, and the Children and Women's Hospital Library. A large number of national and international electronic databases provide convenient access to documents and papers.

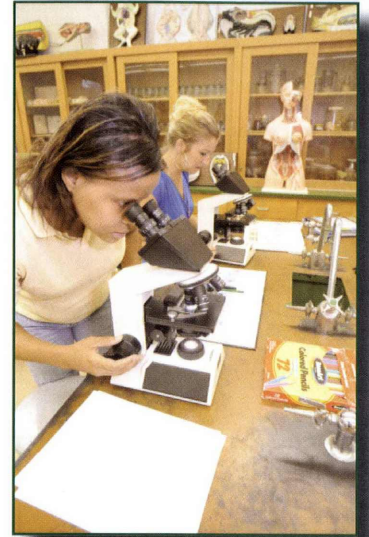
Undergraduate research opportunities abound allowing students hands-on experience with sophisticated instrumentation and equipment housed in various facilities on campus. Undergraduate research experience also enhances students' laboratory skills and allows them to ascertain which areas of research and employment best suit them in their future careers. Visit us at www.southalabama.edu.



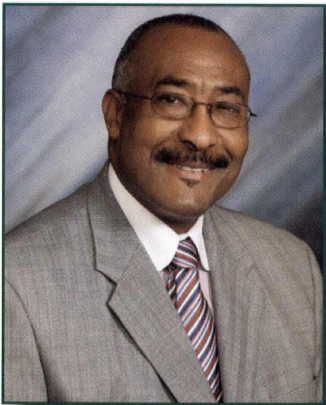
Bishop State Community College



Bishop State Community College is a state-supported, open-admission, urban community college located in Mobile, Alabama. The College consists of four city campuses, dedicated to serving the residents of Mobile and Washington counties in southwest Alabama. The College is part of the Alabama College System, the state-supported network of two-year community, junior, and technical colleges that serves the residents of Alabama.



Bishop State offers university transfer programs for students wanting to continue their education at a four-year school, or for those who seek to start careers right away, the College's one and two-year career programs can put students on the fast track to rewarding jobs. Bishop State instructors are in touch with labor-market trends and job requirements, so its students can be assured they will get the education they need for success.



Dr. James Lowe, Jr., President

The four campuses make Bishop State the most convenient college option in Mobile. All four campuses – Main, Baker-Gaines Central, Carver and Southwest – are located within the city limits. The Main and Baker-Gaines Central campuses offer day-care services for parents enrolled in Bishop State classes. There are five off-campus sites located in Mobile and Washington counties – Baker, Citronelle, Mary Montgomery, McIntosh and Theodore high schools.

The College has an open admission policy and considers students for admission throughout the year. Early application is always advisable.

Students can take courses leading to associate of arts and associate of science degrees. The associate in applied science degrees and certificates are also awarded in technical and occupational programs.



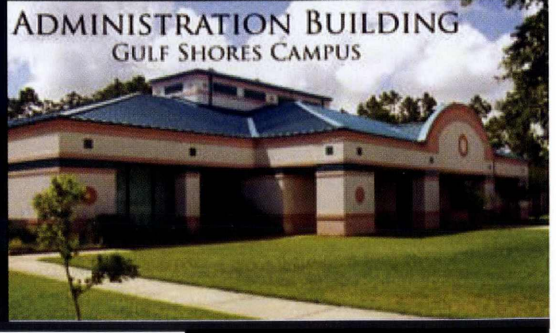
*Dr. Katherine Malone, Chair
Natural Sciences and Mathematics*

Bishop State offers high quality educational and support services in each of the College's six academic divisions: Education, Humanities, Natural Science and Mathematics, Business and Economics, Social Sciences, and the Health-Related Professions.

Please visit us at www.bishop.edu.

Faulkner State Community College

A Great Education, A Lot of Fun

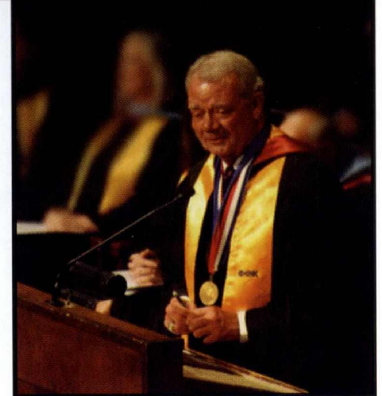


ABOUT THE COLLEGE:

Faulkner State, which was founded in 1965, has three beautiful campuses located in near the sandy beaches of the Gulf Coast. Faulkner State is located in Bay Minette, Fairhope, and Gulf Shores in Baldwin County. Faulkner State was recently named as one of the top 50 fastest-growing public two-year colleges in the nation with enrollments between 2,500 – 4,999 by Community College Week. With a steady record enrollment, the College's main purpose is to satisfy the needs of its students by providing growing programs and expanding campus facilities.

One of the many things that makes Faulkner State so diverse and appealing to students is its wide variety of career and transfer programs. These programs lead to the Associate in Arts (AA), Associate in Science (AS) or Associate in Applied Science (AAS) degree. The College also offers numerous community enrichment, workforce development and certificate programs for those ready for the workforce.

Whether students are career or transfer bound, they can find courses that meet their busy schedule. Faulkner State offers classes one-, two- and three days a week, nights and weekends, and a large selection of Internet courses.



Faulkner State President
Gary L. Branch

MISSION STATEMENT

Faulkner State Community College has an open-door admissions policy and is committed to the professional and cultural growth of each student without regard to race, color, gender, disability, religion, creed, national origin, or age. The College strives to provide an educational environment that promotes development and learning through a wide variety of educational programs and instructional strategies, adequate and comfortable facilities, a caring and well-qualified staff, flexible scheduling, and convenient locations. This effort is based upon the economic and social needs of the College service area. Faulkner State Community College utilizes a participative management structure which insures broad-based involvement in the planning and evaluation process.



Tremaine Pimperl
Math & Engineering

STEM-RELATED DEGREES OFFERED:

- Engineering • Chemistry
- Mathematics • Biology
- Computer Management
- Management & Supervision Tech
 - Computer Science
 - Drafting
- Computer Technology
- Industrial Technology



Engineering:

The Engineering Club, which seeks to connect engineering students with engineers in the field, was created in Spring 2011. It also is used to assist students in transferring to a four-year institution and provides a forum for program improvements. Working closely with the University of South Alabama, Faulkner State now offers engineering courses such as Engineering Graphics, Fundamentals of Engineering and Statics on the FSCC campus.

The National Science Foundation



The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 “to promote the progress of science; to advance the national health, prosperity and welfare; to secure the national defense...” With an annual budget of about \$6.9 billion (FY 2010), we are the funding source for approximately 20 percent of all federally supported research conducted by America’s colleges and universities. In many fields such as mathematics, computer science and the social sciences, NSF is the major source of federal backing.

Division of Human Resource Development

The Division of Human Resource Development (HRD), within the Directorate for Education and Human Resources, serves as a focal point for NSF’s agency-wide commitment to enhancing the quality and excellence of science, technology, engineering, and mathematics (STEM) education and research through broadening participation by underrepresented groups and institutions. The Division’s programs aim to increase the participation and advancement of underrepresented minorities and minority-serving institutions, women and girls, and persons with disabilities at every level of the science and engineering enterprise. HRD programs contribute to attainment of the PEOPLE outcome goal of the NSF Strategic Plan FY 2003-2008: A diverse, competitive, and globally engaged U. S. workforce of scientists, engineers, and well-prepared citizens. Programs within HRD have a strong focus on partnerships and collaborations in order to maximize the preparation of a well-trained scientific and instructional workforce for the new millennium.



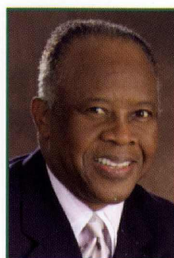
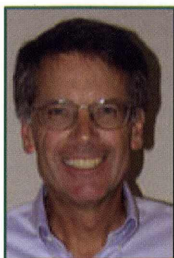
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Dr. Overtoun Jenda

Miles College

Dr. James Langie

Oakwood University

Dr. Kenneth LaiHing

Talladega College

Dr. Silas Edet

Tuskegee University

Dr. Herman Windham

The University of Alabama

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The University of South Alabama

Dr. Alexandra Stenson

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