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Creating Futures**

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Louisiana
Community
& Technical
College System


265 South Foster Drive
Baton Rouge, LA 70806

Phone: 225-922-2800
Fax: 225-922-1185

www.lctcs.edu


LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President

FROM: Dr. Wendi Palermo 
Chief Education and Training Officer

DATE: November 22, 2023

SUBJECT: Program Requests at Baton Rouge Community College

APPROVED
 12/13/23
LCTCS BOARD OF SUPERVISORS

FOR BOARD ACTION

Recommendation: Staff recommends the Board approve the following program requests listed below.

Program Modifications

1. Associate of Applied Science (AAS) Diagnostic Medical Sonography (CIP 51.0910) – 5 STARS. Add a concentration in Echocardiography and Vascular Technology. The existing program of study proposed to be named the Abdomen-OB/GYN concentration.
2. Certificate of Technical Studies (CTS) in Accounting (CIP52.0301) – 5 STARS

Background:

1. The Cardiovascular Institute of the South (CIS) contacted Baton Rouge Community College (BRCC) Diagnostic Medical Sonography Program Manager to consider the addition of an Echocardiography and Vascular Technology (ECVT) program at BRCC. CIS has experienced a shortage of Echocardiographers to support their expanding cardiology practice in Louisiana and other states. CIS has pledged support program: Medical Advisor, sourcing equipment, clinical sites and possible faculty. Currently, there is no community college ECVT program in the state. A local proprietary ECVT program closed before 2020. The only other ECVT programs in Louisiana are 4-year baccalaureate degree programs (Louisiana Health Sciences Centers in New Orleans and Shreveport). Adding the ECVT concentration is an opportunity for BRCC to increase enrollment in the Diagnostic Medical Sonography program, provide this much-needed program, offer interested students another degree concentration, increase community partnerships and cement BRCC's place as Louisiana's leader in sonography education. There will be the need to add seven (7) additional scanning machines for the Echocardiography and vascular technology concentration. The cost per refurbished and warrantied machine is approximately \$30K to \$45K. Other equipment expenses would include a Picture Archiving and Communication System (PACS) which is used in virtually all hospitals and imaging services to receive and store images and for interpreting physician dictation and access to referring physicians' use. A PACS lite system cost \$40 - \$50 and will be available for students to access to enhance their knowledge and employability and job readiness. Finally,

Anatomic models specific to Echocardiography and vascular technology range in price from \$5K to \$15K depending on specific model. College leaders plan to utilize Carl Perkins funds to cover the cost of purchasing the new equipment and items listed above.

2. Currently Baton Rouge Community College (BRCC) has a Certificate of Technical Studies (CTS) in “Accounting Technology” and are formally requesting to modify the title of the program to “Accounting” as indicated above. In addition, modify the current CIP code from 52.0302 (Accounting Technology/Technician and Bookkeeping) 4 STARS to CIP 52.0301 (Accounting) 5 STARS. The proposed modification is associated with in-depth review of the program for the Fifth-Year Interim Report BRCC is preparing for submission to the Southern Association of Colleges and Schools Commission on Colleges in 2024. Unlike other Accounting Technician/Technology, Account Clerk CTSs offered by other LCTCS institutions, 100% of the coursework required for completion of BRCC’s Accounting Technology CTS is in the Accounting discipline (ACCT). The variety of topics covered in the required and elective ACCT courses align with the definition for CIP code 52.0301, Accounting, as well as with the definition for CIP code 52.0302, Accounting Technology/Technician. The CIP code change is based on the depth of coverage of ACCT topics in BRCC’s program. A table completed by BRCC’s lead ACCT instructor within your packet lists the topics associated with the definitions for both CIP codes for the current and proposed CIP codes.

Fiscal Impact: There will be no fiscal impact unless otherwise noted.

History of Prior Actions:

1. Initially approved as a Certificate of Applied Science (CAS) by the LCTCS Board of Supervisors and the Board of Regents in 2010, BRCC obtained approval for changing the award level to the Associate of Applied Science in 2011 by the Board of Supervisors and in 2012 by the Board of Regents. This program of study has not changed since 2012. BRCC was granted authorization for hybrid delivery of the degree in 2020.
2. Originally approved as an Associate of Applied Science (AAS) by the LCTCS Board of Supervisors and the Board of Regents in 2009, BRCC obtained approval for changing the award level to Certificate of Technical Studies (CTS) in 2012 (along with deletion of the AAS). The program has not changed since 2012. BRCC was granted authorization for fully online delivery of the program in 2016.

There is a history of revising programs to meet student and workforce needs.

Benefits to the System: These requests will allow Baton Rouge Community College to better meet student and workforce needs.



Approved for Recommendation to the Board
Dr. Monty Sullivan, President

12/13/23

Date



Baton Rouge Community College
201 Community College Dr.
Baton Rouge, LA 70806
(225) 216-8000
www.mybrcc.edu

November 20, 2023

Board of Supervisors
The Louisiana Community and Technical College System
265 South Foster Drive
Baton Rouge, Louisiana 70806

Attention: Wendi Palermo, Ph.D., R.N., LCTCS Executive Director of Academics and Workforce
William Tulak, Ph.D., Director of Institutional Effectiveness

Dear Drs. Palermo and Tulak,

Baton Rouge Community College (BRCC) requests the approval of the Board of Supervisors of the Louisiana Community and Technical College System (LCTCS) to implement modifications to two programs. The effective date of implementation for each is Fall 2024.

1. Diagnostic Medical Sonography Associate of Applied Science (CIP code 51.0910) – 5 Stars. Add a concentration in Echocardiography and Vascular Technology. Current program of study will be called the Abdomen-OB/GYN concentration.

Justification: The Cardiovascular Institute of the South (CIS) contacted BRCC’s Diagnostic Medical Sonography Program Manager to consider the addition of an Echocardiography and Vascular Technology (ECVT) program at BRCC. CIS has experienced a shortage of Echocardiographers to support their expanding cardiology practice in Louisiana and other states. CIS has pledged support program: Medical Advisor, sourcing equipment, clinical sites and possible faculty. At this time, there is no community college ECVT program in the state. A local proprietary ECVT program closed before 2020. The only other ECVT programs in Louisiana are 4-year baccalaureate degree programs (Louisiana Health Sciences Centers in New Orleans and Shreveport). Adding the ECVT concentration is an opportunity for BRCC to increase enrollment in the Diagnostic Medical Sonography program, provide this much-needed program, offer interested students another degree concentration, increase community partnerships and cement BRCC’s place as Louisiana’s leader in sonography education.

2. Accounting Technology Certificate of Technical Studies (CTS): 4 Stars
 - a. modify the title, from “Accounting Technology” to “Accounting”, and
 - b. modify the CIP code, from 52.0302 (Accounting Technology/Technician and Bookkeeping; 4 Stars) to 52.0301 (Accounting; 5 Stars).

Justification: The proposed modification is associated with in-depth review of the program for the Fifth-Year Interim Report BRCC is preparing for submission to the Southern Association of Colleges and Schools Commission on Colleges in 2024.

Unlike other Accounting Technician/Technology, Account Clerk CTSs offered by other LCTCS institutions, 100% of the coursework required for completion of BRCC’s Accounting Technology CTS is in the Accounting discipline (ACCT). The variety of topics covered in the required and elective ACCT courses align with the definition for CIP code 52.0301, Accounting, as well as with the definition for CIP code 52.0302, Accounting Technology/Technician. The CIP code change is based on the depth of coverage of

ACCT topics in BRCC’s program. A table completed by BRCC’s lead ACCT instructor listing the topics associated with the definitions for both CIP codes follows the definitions in the table below.

CIP code	52.0201 (proposed)	52.0302 (current)
Title and definition of CIP code	<p>Accounting <i>“A program that prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, managerial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, planning and consulting, business information systems, accounting research methods, professional standards and ethics, and applications to specific for-profit, public, and non-profit organizations.”</i></p>	<p>Accounting Technology/Technician and Bookkeeping <i>“A program that prepares individuals to provide technical administrative support to professional accountants and other financial management personnel. Includes instruction in posting transactions to accounts, record-keeping systems, accounting software operation, and general accounting principles and practices.”</i></p>

Required and elective courses in the Accounting Technology CTS and the alignment of course content with the definitions for CIP codes 52.0301 (proposed) and 52.0302 (current) are summarized in a [table prepared by BRCC’s lead Accounting instructor](#).

Please let me know if additional information is needed for your consideration of this request.

Sincerely,

Sarah Barlow, Ph.D.
 Provost/Vice Chancellor for Workforce and Student Development

Cc: Willie E. Smith, Sr., Ed.D., Chancellor
 Margaret McMichael, Ph.D., Director of Curriculum and Articulation



**LOUISIANA'S COMMUNITY & TECHNICAL
COLLEGE SYSTEM**

Requests for Programs: New, Modification, and Adoption

Baton Rouge Community College

TYPE OF PROPOSED CHANGE
<input type="checkbox"/> New Program <input checked="" type="checkbox"/> Curriculum Modification <input type="checkbox"/> Curriculum Adoption
Program Name: Accounting Technology, Certificate of Technical Studies (CTS) Diagnostic Medical Sonography, Associate of Applied Science (AAS)

AWARD LEVEL(S)	
For Board of Regents and LCTCS Review: <input checked="" type="checkbox"/> Associate of Applied Science (A.A.S.) <input type="checkbox"/> Associate of Science (A.S.) <input type="checkbox"/> Associate of Arts (A.A.) <input type="checkbox"/> Other Associate Degree Name: <input type="checkbox"/> Certificate of Applied Science (C.A.S.) <input type="checkbox"/> Certificate of General Studies (C.G.S.)	For LCTCS Review: <input type="checkbox"/> Technical Diploma (T.D.) <input type="checkbox"/> Career and Technical Certificate (C.T.C.) <input checked="" type="checkbox"/> Certificate of Technical Studies (C.T.S.)

Name: Diagnostic Medical Sonography			
CIP: 51.0910	Credit Hours: 62	Contact Hours:	Award Level: AAS
Name: Accounting Technology			
CIP: 52.0302	Credit Hours: 24	Contact Hours: 360	Award Level: CTS

IBC	Issuing Body	Course Title	Course Prefix	Course Number	Credits Awarded

PROPOSED CHANGE

a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

1. Diagnostic Medical Sonography Associate of Applied Science (CIP code 51.0910) – 5 Stars. Modify the program by [adding a concentration in Echocardiography and Vascular Technology](#). [Current program of study will be called the Abdomen-OB/GYN concentration](#).
2. Accounting Technology Certificate of Technical Studies (CTS): 4 Stars
 - a. modify the title, from “Accounting Technology” to “Accounting”, and
 - b. modify the CIP code, from 52.0302 (Accounting Technology/Technician and Bookkeeping; 4 Stars) to 52.0301 (Accounting; 5 Stars).

IMPLEMENTATION DATE (Semester and Year)

Fall 2024

HISTORY OF PRIOR ACTIONS

Provide an overview of changes to this program.

1. Diagnostic Medical Sonography: Initially approved as a Certificate of Applied Science (CAS) by the LCTCS Board of Supervisors and the Board of Regents in 2010, BRCC obtained approval for changing the award level to Associate of Applied Science in 2011 by the Board of Supervisors and in 2012 by the Board of Regents. The program of study has not changed since 2012. BRCC was granted authorization for hybrid delivery of the degree in 2020.
2. Accounting Technology: Originally approved as an Associate of Applied Science (AAS) by the LCTCS Board of Supervisors and the Board of Regents in 2009, BRCC obtained approval for changing the award level to Certificate of Technical Studies (CTS) in 2012 (along with deletion of the AAS). The program has not changed since 2012. BRCC was granted authorization for fully online delivery of the program in 2016.

JUSTIFICATION FOR THE PROPOSED CHANGE

Include support such as four-year university agreements, industry demand, advisory board information, etc.

1. Diagnostic Medical Sonography, Echocardiography and Vascular Technology concentration:

The [Cardiovascular Institute of the South \(CIS\)](#) contacted BRCC's [Diagnostic Medical Sonography Program Manager](#) to consider the addition of an [Echocardiography and Vascular Technology \(ECVT\) program at BRCC](#). CIS has experienced a shortage of Echocardiographers to support their expanding cardiology practice in Louisiana and other states. [CIS has pledged support program:](#) Medical Advisor, sourcing equipment, clinical sites and possible faculty. At this time, there is no community college ECVT program in the state. A local proprietary

ECVT program closed before 2020. The only other ECVT programs in Louisiana are 4-year baccalaureate degree programs (Louisiana Health Sciences Centers in New Orleans and Shreveport). Adding the ECVT concentration is an opportunity for BRCC to increase enrollment in the Diagnostic Medical Sonography program, provide this much-needed program, offer interested students another degree concentration, increase community partnerships and cement BRCC's place as Louisiana's leader in sonography education.

BRCC's program of study for the Echocardiography and Vascular Technology is based on the National Education Curriculum developed for training in [Cardiac sonography](#) and in [Vascular Technology](#) by the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS).

2. Accounting Technology CTS:

The proposed modification is associated with in-depth review of the program for the Fifth-Year Interim Report BRCC is preparing for submission to the Southern Association of Colleges and Schools Commission on Colleges in 2024.

Unlike [other Accounting Technician/Technology, Account Clerk CTSs offered by other LCTCS institutions](#), 100% of the coursework required for completion of BRCC's Accounting Technology CTS is in the Accounting discipline (ACCT). The variety of topics covered in the required and elective ACCT courses align with the definition for CIP code 52.0301, Accounting, as well as with the definition for CIP code 52.0302, Accounting Technology/Technician. The CIP code change is based on the depth of coverage of ACCT topics in BRCC's program. [BRCC's lead ACCT instructor aligned the content of the College's courses with the topics associated with the definitions for both CIP codes to support the proposed change.](#)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL

[\(http://www.laworks.net/Stars/\)](http://www.laworks.net/Stars/)

Diagnostic Medical Sonography:

5 Stars 4 Stars 3 Stars 2 Stars 1 Star 0 Stars
(Transfer)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL

[\(http://www.laworks.net/Stars/\)](http://www.laworks.net/Stars/)

Accounting Technology:

5 Stars 4 Stars 3 Stars 2 Stars 1 Star 0 Stars
(Transfer)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL

[\(http://www.laworks.net/Stars/\)](http://www.laworks.net/Stars/)

Accounting:						
<input checked="" type="checkbox"/> 5 Stars	<input type="checkbox"/> 4 Stars	<input type="checkbox"/> 3 Stars	<input type="checkbox"/> 2 Stars	<input type="checkbox"/> 1 Star	<input type="checkbox"/> 0 Stars	(Transfer)

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION			
<input checked="" type="checkbox"/> Main Campus	<input type="checkbox"/> All Locations	<input type="checkbox"/> Sites (list below)	<input checked="" type="checkbox"/> Distance Education
Site 1:			
Site 2:			
Site 3:			
Site 4:			

QUALIFIED FACULTY (Check all that apply): Diagnostic Medical Sonography		
<input checked="" type="checkbox"/> Use Existing Faculty #: <u>1</u>	<input type="checkbox"/> Hire Adjunct Faculty #: <u>1</u>	<input checked="" type="checkbox"/> Hire Full-Time Faculty #: <u>2 (Clinical Coordinator, Program Manager)</u>

MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
<u>Education:</u> Bachelor's degree	<u>Experience:</u> Minimum of two (2) years as an Echocardiographer and Vascular Technologist	<u>Certification:</u> Registry in Echocardiography (Registered Diagnostic Cardiac Sonographer, RDCS) and Vascular Technology (Registered Vascular Technologist, RVT)

FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS
Program: Diagnostic Medical Sonography AAS Division: Nursing and Allied Health Department: Allied Health
Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.
Addition of the proposed Echocardiography and Vascular Technology concentration will not affect the administrative structure of the Division or Department. BRCC's Dean of Nursing and Allied Health and the Program Manager for Diagnostic Medical Sonography report the following regarding resources for the Echocardiography and Vascular Technology concentration:

The annual budget for the new concentration is expected to be the same as for the current program of study: roughly \$370K, which includes accreditation costs, faculty, and supplies.

Cardiovascular Institute of the South (CIS) is committed to assisting with the donation of equipment, providing clinical spaces, and working with BRCC to not only hire but provide financial support for the certified faculty required for the program. Written contract with CIS is forthcoming.

- Seven scanning machines will be needed for the Echocardiography and Vascular Technology concentration (one student scans and one is the “patient”). The cost per refurbished and warranted machine is approximately \$30k to \$45k.
- The Carl Perkins Grant has generously supported the DMS program with first purchase and after-sale service contracts. The approximate cost of the service contract per machine and covered probes is \$7,500 - \$8,500 per year. Perkins has historically accepted to cover service contracts for donated machines as well.
- Other equipment expenses would include a Picture Archiving and Communication System (PACS) which is used in virtually all hospitals and imaging services to receive and store images and for interpreting physician dictation and access to referring physicians’ use.
- Students and new graduates are not usually allowed access to the PACS system because in actual use it costs millions. It provides student use and preparation for employment and has, indeed, enhanced their employability and job readiness. A “PACS Lite” system such as used in the Diagnostic Medical Sonography program costs \$40 - \$50.
- Anatomic models specific to Echocardiography and Vascular Technology range in price from \$5k to \$15k depending on specific model.

Program: Accounting Technology CTS; proposed title change (to Accounting) and CIP code change (from 52.0302 to 52.0301)

Division: Business and Law

Department: Business

Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.

Neither the change to the title nor to the CIP code will affect the administrative structure or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.

ANTICIPATED ENROLLMENT: Diagnostic Medical Sonography, Echocardiography and Vascular Technology concentration

Students	Year One <u>Jan 2024</u>	Year Two <u>Jan 2025</u>	Year Three <u>Jan 2026</u>	Year Four <u>Jan 2027</u>	Year Five <u>Jan 2028</u>
<u>DAY</u>	<u>15</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>

ANTICIPATED ENROLLMENT: Diagnostic Medical Sonography, Echocardiography and Vascular Technology concentration					
EVENING					
DISTANCE EDUCATION					
Describe Process for Attaining & Estimating Enrollment:	<p>BRCC currently admits far fewer students than apply to the existing program of study (Abdomen-OB/GYN concentration). The estimate is based on the suggested enrollment cap for Echocardiography and Vascular Technology (ECVT) courses and the plans for hiring faculty (clinical coordinator, program manager, and adjunct faculty). BRCC does not anticipate needing to limit enrollment due to any shortage of clinical site-availability or the support pledged by the Cardiovascular Institute of the South (CIS).</p> <p>Applications for admission are reviewed each fall semester. Cohorts of 15 students will begin the program of study the following spring semester and finish at the end of the spring semester in the following calendar year.</p>				

PROGRAM ACCREDITATION: Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration	
Is Program Accreditation, Licensure or Certification Required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<p>If YES, please provide projected accreditation/licensure/certification date: Fall 2025.</p> <p>BRCC will seek accreditation following completion of the program by the first cohort of students: students admitted in January 2024 complete the program in May 2025.</p>
Type/Name of Program Accreditation, Licensure or Certification Required:	Commission on Accreditation of Allied Health Education Programs Joint Review Committee on Education in Diagnostic Medical Sonography (CAAHEP JRC-DMS)

PROGRAM CURRICULUM – Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration [Program of Study](#) and [ECVT course details](#)

Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. **If you are adopting curriculum, you do not need to complete this section.**

BENEFITS TO THE SYSTEM
Discuss how this change will benefit your students, your community, and the LCTCS.

Benefit to Students: Students interested in Diagnostic Medical Sonography will now have the opportunity to pursue an affordable Echocardiography and Vascular Technology curriculum in the new, state-of-the-art Our Lady of the Lake Nursing and Allied Health building on BRCC's Mid City campus, seek registry as Cardiac and Vascular Technologists, and pursue employment locally, state-wide, and/or nationally.

Benefit to the greater Baton Rouge community: Baton Rouge's shortage of Cardiac and Vascular Technologists will be alleviated. Hospitals and clinics will be able to hire locally. Employment of registered technicians in this high demand, high skill area will support the livelihood of the graduates as well as the tax base of the city, parish, and state.

Benefit to the LCTCS: The addition of the concentration supports the strategic plan and goals of the LCTCS and lends support by the LCTCS to the attainment of the primary goal of the Board of Regents' Master Plan to raise the educational attainment of the adult citizenry of Louisiana - for 60% of all working-age adults ages 25-64 to hold a degree or high-value credential by 20230. Completers of the Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration will hold a degree and a high-value credential.

SIGNATURES:



College Chief Academic Officer

Date 11/20/23

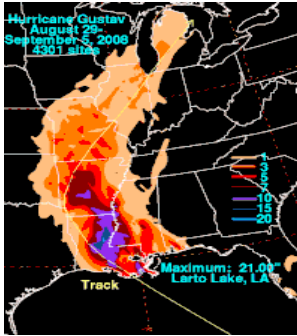


College Chief Executive Officer

Date 11/20/23

A History of the BRCC Diagnostic Medical Sonography Program (DMS) 2008 to Present

2008: Hurricane Gustav & Baton Rouge



In the state of Louisiana, 34 parishes were declared as disaster areas. Hurricane Gustav reached the Louisiana coast on the morning of September 1, making landfall near Cocodrie, LA. At 9 am wind speed at Grand Isle had been 115 mph, the highest eyewall speed, indicating the eyewall had traveled over 4 hours along the coast. The center of the storm continued northwest across the state, so damage and deaths were widespread in many areas.

In Baton Rouge, Louisiana, it was considered to be the worst storm to hit the area since Hurricane Betsy in 1965.

2008 – 2009: The DMS program was written as an Emergency Response Grant in response to a large number of healthcare professionals being displaced. Local hospital and clinic managers approached BRCC to discuss the creation of a sonography program to replace lost sonographers.

Fall 2009: The sonography program admitted its first cohort of students. There were three initial faculty members: Alfredo Batallan, Julie Abshire and Michael Beauford.

2013 – 2015: Beginning in 2013, the program began its *Self-Study* in preparation for accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). After completion of the *Self-Study*, a site visit was scheduled in Summer, 2014. Initial accreditation was granted January 15, 2015.

2015 – 2021: Historically, 10 students were admitted to each cohort based on availability of clinical sites. Especially problematic has been availability of Obstetric (OB) clinical sites. In 2015, Richard Goldsmith assumed the position of Clinical Coordinator and instructor. In an effort to increase program enrollment, Mr. Goldsmith was able to expand the number of available clinical sites and enrollment was increased to 15 in each cohort.

2021 – Present: BRCC Nursing and Allied Health Division expanded its partnership with community healthcare providers and educators. Adding Ochsner Health System clinical sites has benefitted the DMS program's access to OB clinical sites from Slidell to the Houma-Morgan City areas and Baton Rouge to Raceland. While there are now adequate clinical sites for the cohort of fifteen students, the program has achieved maximum capacity in the OB specialty.

Spring 2022: Cardiovascular Institute of the South (CIS) contacted the Program Manager to consider the addition of an Echocardiography and Vascular Technology (ECVT) program at BRCC. CIS has experienced a shortage of Echocardiographers to support their expanding cardiology practice in Louisiana and other states. CIS has pledged support program: Medical Advisor, sourcing equipment, clinical sites and possible faculty.

At this time, there is no community college ECVT program in LA. A local proprietary ECVT program closed pre-Covid. The only other ECVT program in LA is a 4-year Bachelor degree program in NOLA.

Cardiovascular Institute of the South (CIS) was founded in 1983 by Dr. Craig Walker, who envisioned CIS as a leader in the development of new techniques and technologies in the treatment of both coronary and peripheral artery diseases.

CIS has grown to become a world-renowned practice. This commitment to growth and excellence has earned CIS recognition as a leader in research development and **state-of-the-art care**, as well as garnered international acclaim for its contributions to the advancement of non-surgical treatments for cardiovascular disease.

Adding the ECVT concentration is an opportunity for BRCC to increase enrollment in the sonography program at BRCC, provide this much-needed program, offer interested students another degree concentration, increase community partnerships and cement BRCC's place as the LA leader of sonography education.

March 3, 2023

**Tyra LeBoeuf
Director of Diagnostic Services
Cardiovascular Institute of the South**

Tyra –

Here is my viewpoint of the availability of cardiovascular sonographers in the United States and more importantly the Louisiana area.

Over the last 3-5 years we have seen many sonographers decide to leave their ultrasound jobs to pursue opportunities outside of the medical field.

This has created a tremendous shortage of sonographers especially those certified in Cardiac and Vascular.

There are very few Accredited ultrasound schools in the Louisiana area. LSU has an Accredited school that turns out 8-10 trained sonographers per year.

The Cardiovascular Institute of the US in Mobile AL, has an accredited school as does the Santa FE Community College in Gainesville FL.

UAB has a training program to provide sonographers for their own facility as does Baylor Scott and White in Dallas at their Heart Hospital. This is becoming very popular among the larger cardiovascular sites.

The ability to meet the needs of the patients in a timely fashion is becoming almost impossible.

There is a need for another “Accredited “ultrasound school that trains sonographers to perform cardiac and vascular studies in the southern Louisiana area.

Let me know if you would like to discuss further.

**Tom Mitchell
Canon Ultrasound**

3.10.23

To Whom It May Concern,

The purpose of the following content is to provide support of the Cardiovascular Sonographer program submittal at Baton Rouge Community College. Cardiovascular Institute of the South (CIS) as a partner with Baton Rouge Community College fully supports and endorses the creation of an additional Cardiovascular Program in the state of Louisiana to help aid in the evaluation, treatment, and life saving efforts by our medical professionals.

As with most supportive services for cardiology and vascular care, the demands on providers and resources are continuing to grow. There are many factors that continue to propagate this trend. According to the CDC Division for Heart Disease and Stroke Prevention, heart disease is the leading cause of death in Louisiana. There are geographic disparities in the burden of heart disease that spread across our state. In our parish, East Baton Rouge, we still see today 430 deaths for every 100,000 individuals is related to heart disease and that is exceeded by many other parishes in the state where we see as many as 970 deaths per 100,000 in the population.

Along with the growing concern of heart related issues that our state is continuing to combat, there is an increased risk of amputations and Critical Limb Ischemia among our population. The number of patients with diabetes is a growing concern. In Louisiana, this disease will cost Louisianans on average \$5.4 billion dollars a year with a large portion being attributed to amputations. The average cost per amputation procedure is approximately \$70,000, not including the long term mental and physical care of these individuals. Once a patient is diagnosed with Critical Limb Ischemia, 55% of these individuals will either die or have an amputation. Louisiana also has one of the highest rates of Diabetes prevalence in the US with 15% of the adult population having a diabetic diagnosis according to the DHH.

One answer to these many concerning factors is improving our education for the training of vascular and echocardiography sonographers. The state of Louisiana along with the majority of the nation has been seeing, and will continue to see, shortages of these highly skilled individuals. According to the Bureau of Labor statistics, the demand for cardiac sonographers will continue to grow. The need for these individuals is projected to increase 14% from 2022 to 2030. It is also estimated to be 19,100 jobs available for medical sonographers and cardiovascular technologists over those years.

From an access to education standpoint, there is a shortage of accredited universities across the gulf coast needed meet these growing demands. Programs currently in existence lack the tools, resources, and accreditation necessary to meet the expected demand in our state. In total, there are 7 sonographer programs across the gulf coast including BRCC, Delgado, LSU Eunice, LSE Health Sciences Center, Hinds, Cardiac and Vascular Institute of Ultrasound, and Florida Institute of Ultrasound.

8401 Picardy Avenue
Baton Rouge, LA 70809
225.308.0247
1.855.437.0247
Fax 225.308.0249
www.cardio.com

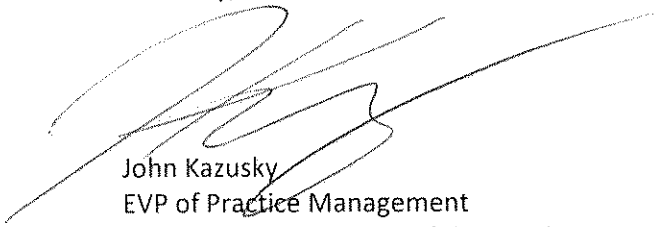
Of those programs, the only three supplying education needed for certified Cardiac and Vascular sonographers to enter the workforce are LSU Health Sciences Center in New Orleans, Cardiac and Vascular Institute of Ultrasound in Mobile, and Florida Institute of Ultrasound in Pensacola. When training facilities are far from where work opportunities exist that will lead to difficulty in recruiting and retaining top talent within our state.

Cardiovascular Institute of the South (CIS) which is known for being one of the largest cardiology groups in the nation has been dealing with shortages of certified Cardiovascular Sonographers for many years. Cardiovascular positions at our organization have been posted on average of 69.36 days with the longest posted position available for 168 days. In addition, CIS has had 33 total Cardiovascular Sonographer positions posted in the last 2 years. After being well established in Mississippi, Louisiana, and Illinois CIS is now focusing on expanding our brand nationally. We believe that effort alone will have an impact on the demand for cardiovascular sonographers both in our state but also in other areas of our nation.

On the topic of clinical locations, CIS is home to 18 clinics in South Louisiana and multiple outpatient surgery centers. Along with these established centers which are all equipped with the tools to train and educate cardiovascular sonographers, CIS also partners with 9 tertiary and community hospitals throughout the state of Louisiana. Through these relationships we will be able to help fortify clinical education sites to support this program.

In closing, we feel that a Cardiovascular Program is a need both in the state of Louisiana and along the Gulf Coast. The growing demand for this profession isn't going away and neither are the thousands of patients that rely on their expertise and technical skills. By moving forward with a Cardiovascular program at Baton Rouge Community College we will be ensuring that our clinics and hospitals will have the resources to treat heart disease and CLI for decades to come.

Sincerely,



John Kazusky
EVP of Practice Management
Cardiovascular Institute of the South
Mobile: 985-665-3107
Office: 225-308-0247
Email: john.kazusky@cardio.com

CIP	CIP Title	Program's Star Rating
51.0808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant.	3
51.0809	Anesthesiologist Assistant.	3
51.0810	Emergency Care Attendant (EMT Ambulance).	2
51.0811	Pathology/Pathologist Assistant.	4
51.0812	Respiratory Therapy Technician/Assistant.	3
51.0813	Chiropractic Assistant/Technician.	3
51.0814	Radiologist Assistant.	0
51.0815	Lactation Consultant.	0
51.0816	Speech-Language Pathology Assistant.	0
51.0899	Allied Health and Medical Assisting Services, Other.	3
51.0901	Cardiovascular Technology/Technologist.	4
51.0902	Electrocardiograph Technology/Technician.	4
51.0903	Electroneurodiagnostic/Electroencephalographic Technology/Technologist.	0
51.0904	Emergency Medical Technology/Technician (EMT Paramedic).	4
51.0905	Nuclear Medical Technology/Technologist.	3
51.0906	Perfusion Technology/Perfusionist.	4
51.0907	Medical Radiologic Technology/Science - Radiation Therapist.	4
51.0908	Respiratory Care Therapy/Therapist.	5
51.0909	Surgical Technology/Technologist.	4
51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician.	5
51.0911	Radiologic Technology/Science - Radiographer.	4
51.0912	Physician Assistant.	5
51.0913	Athletic Training/Trainer.	0
51.0914	Gene/Genetic Therapy.	0
51.0915	Cardiopulmonary Technology/Technologist.	4
51.0916	Radiation Protection/Health Physics Technician.	3
51.0917	Polysomnography.	0
51.0918	Hearing Instrument Specialist.	0
51.0919	Mammography Technician/Technology.	4
51.0920	Magnetic Resonance Imaging (MRI) Technology/Technician.	4
51.0999	Allied Health Diagnostic, Intervention, and Treatment Professions, Other.	0
51.1001	Blood Bank Technology Specialist.	4
51.1002	Cytotechnology/Cytotechnologist.	5
51.1003	Hematology Technology/Technician.	4
51.1004	Clinical/Medical Laboratory Technician.	4
51.1005	Clinical Laboratory Science/Medical Technology/Technologist.	5
51.1006	Ophthalmic Laboratory Technology/Technician.	2
51.1007	Histologic Technology/Histotechnologist.	5
51.1008	Histologic Technician.	4
51.1009	Phlebotomy Technician/Phlebotomist.	3
51.1010	Cytogenetics/Genetics/Clinical Genetics Technology/Technologist.	5
51.1011	Renal/Dialysis Technologist/Technician.	0
51.1012	Sterile Processing Technology/Technician.	4
51.1099	Clinical/Medical Laboratory Science and Allied Professions, Other.	5
51.1101	Pre-Dentistry Studies.	3
51.1102	Pre-Medicine/Pre-Medical Studies.	3
51.1103	Pre-Pharmacy Studies.	0



Baton Rouge Community College
Diagnostic Medical Sonography
201 Community College Drive
Frazier Building # 228
Baton Rouge, LA 70806

beaufordm@mybrcc.edu
 p: 225.216.8046
goldsmithr@mybrcc.edu
 p: 225.216.8498

BRCC Sonography Advisory Committee May 02, 2023 Agenda

Attending: Dr. Steven Sotile, Medical Advisor, Woman’s Hospital
 Garrett Beadle, Expanded Services Manager, Woman’s Hospital
 Breanna Kent, 2022-23 Class Representative
 Jennifer Torres, 2023-24 Class Representative
 Richard Goldsmith, RDMS, Clinical Coordinator

Michelle Dennis, PhD, Dean of BRCC Nursing and Allied Health
 Tessica Johnson, BRCC Interim Perkins Basic Grant Assistant Coordinator
 Constance Hampton, BRCC Nursing & Allied Health Administrative Coordinator
 Michael Beauford, RDMS, Program Manager
 Sunee Blanchard, OLOL LSU Health, North BR

Agenda Item	Presenter	Information	Notes
08:30 Call to Order Introductions	Michael Beauford	A sincere Thank You! To all who attend. These meetings help us to improve the Sonography program and are a requirement for accreditation.	ZOOM meeting link: 08:30 – 09:30 am https://us06web.zoom.us/j/84047598818
Covid-19 Restrictions & Changes	Richard Goldsmith	Covid-19: 1) Classes have returned to face-to-face in lecture, lab and clinicals. Any change in State or Clinical Associate policy will be announced and managed as necessary 2) We have received notice from some Clinical Associates that they will require Covid vaccination for all employees and students; therefore, all students entering the Sonography program are required to be fully Covid vaccinated and boosted	Woman’s Hospital does require Covid-19 vaccination BRCC Nursing & Allied Health policy is for all students in clinical programs must be Covid-19 vaccinated
2021 – 22 Cohort Student Graduation & Registry Examination	Michael Beauford	1) Fifteen students were admitted to the 2021-22 Cohort and all fifteen will graduate May 20th 2) Of the 2021–22 Cohort, 14 of 15 have passed the SPI exam and 8 of the 15 are ARDMS registered. All 8 have passed Abdomen and none have yet tested OB/Gyn but have exam dates scheduled.	
2022 - 23 Cohort	Michael Beauford	15 students were admitted to the 2022-2023 Cohort. All are performing satisfactorily and are expected to graduate in May 2023	
2022 – 23 Applicants	Michael Beauford	1) 91 students applied to the program for entry in January 2022. there were 39 disqualified applicants which left 56 qualified applicants for a 3.7:1 ratio of applicants to chosen ratio. 2) There is significantly greater interest in Sonography than available places in the program. We are in discussions of	BRCC has been approached by Cardiovascular

		how to increase the opportunity for Sonography admissions.	Institute
Equipment	Mike Beauford Richard Goldsmith	<p>1) We requested and have been approved by the Perkins Grant to receive nine ergonomic chairs for the scan lab. This will bring the program significantly closer into compliance with ergonomic education and use of proper equipment.</p> <p>2) With the Board of Regents Grant, we received funding in 2020 for purchase of a PACS system for student use. It is now in full use and students use it daily at BRCC and as pre-employment orientation to PACS systems in use in area hospital and clinics.</p> <p>3) If you plan to replace an ultrasound machine, please consider making it a donation to BRCC for the Federal Tax credit which is often better than the trade-in price and will be used to provide student training</p>	<p>The ergonomic chairs are well received and functional and comfortable. We will also receive an ergonomics presentation via Zoom for the class. We hope to offer this as an annual presentation to conform to ergonomic education expectations.</p> <p>The PACS system has worked very well for students and instructors.</p>

<p>Curriculum Changes and Development</p>	<p>Mike Beauford Richard Goldsmith Dean Michelle Dennis</p>	<p>1)SONO 1011, <i>Foundations of Sonography</i>, was moved from the Sonography program curriculum into the prerequisites in spring 2020. We believe the students admitted to the 2021-22 Cohort who had completed SONO 1011 showed significant benefit from the class as a prerequisite. The class continues to evolve and improve with each year.</p> <p>2) Ms. Brianna Taylor is a 2016 graduate of the BRCC Sonography program who has received her Bachelor of Science in Health Sciences from Northwestern State University (Natchitoches, LA) and is completing her Thesis research and project for her Master of Science in Radiologic Sciences from NSULA.</p> <p>As her Thesis project, Ms. Taylor chose to investigate improvements in the BRCC Sonography program credit hour assignments to 12 credits in spring and fall semesters and 6 credits in summer. This will award credit hours equitable to their work effort, bring the Sonography program in closer alignment with other “High Credit Hour Associate Degree” programs and remove financial barriers to student success.</p> <p>We hope to develop the modifications and required documentation in time that changes are instituted by fall, 2023.</p> <p>In order to proceed with this program modification, we require advice and consent from the Advisory Committee.</p>	<p>We will present changes to the DMS program to the Curriculum Committee in the near future.</p>
		<p>3) We were recently contacted by a large regional Cardiovascular group to cooperatively develop an Echocardiography and Vascular degree program in addition to the existing DMS degree program, as there is presently no Community College based Echo & Vascular program in Louisiana.</p> <p>As details become available, we will share information with the Advisory Committee. This represents a great opportunity to expand the BRCC Sonography program.</p>	<p>MB shared information about a cooperative opportunity between BRCC and Cardiovascular Institute of the South to develop an Echocardiography and Vascular Technology.</p> <p>Dr. Sotile – this is a great opportunity to for students and the BR area needs an Echo program, as the previous one was closed before Covid</p> <p>All members approve of pursuing this addition to the program, and all approve of developing an Advisory Committee and the curriculum</p>

McMichael, Margaret

From: Beauford, Michael
Sent: Monday, November 6, 2023 9:52 AM
To: McMichael, Margaret
Subject: RE: Questions regarding fiscal impact of Echocardiography and Vascular Technology on Nursing and Allied Health

No. Registry is national.

There are 4 states which require licensure – like an occupational license, not an academic test:

“Most ultrasound technicians in the U.S. can find work with professional certifications alone. Only four states currently mandate licensure for medical sonographers: New Hampshire, New Mexico, North Dakota, and Oregon. Sonographers must renew their permanent license every two years.”

From: McMichael, Margaret <mcmichaelm@mybrcc.edu>
Sent: Monday, November 6, 2023 9:41 AM
To: Beauford, Michael <beaufordm@mybrcc.edu>
Subject: RE: Questions regarding fiscal impact of Echocardiography and Vascular Technology on Nursing and Allied Health

Mike, a registry question: are ARDMS registries national? Would attainment of registry in Louisiana require re-registry to work in another state?

Nursing and Allied Health Building	Dean Michelle Dennis	BRCC has made a commitment for a newly built Nursing and Allied Health Building, funded by a partnership between BRCC and Franciscan Missions of Our Lady (FMOL). Expected ground breaking is summer 2022 and an expected occupancy of fall 2023.	Construction of a new Nursing and Allied Health building will greatly enhance all of our N&AH programs with additional space and state-of-the-art technology. We will keep the Committee informed of progress
Student Representative	Breanna Kent 2022-23 Jennifer Torres 2023-24	Student representatives share committee information with other students & give voice to student concerns with faculty and Dean	BK: 1.The class is generally happy with the program 2. All students do not receive the same experience in clinicals – we do understand the difficulty of finding clinical sites and students who must drive great distance to their sites 3. Good Preceptors! JT:1. Class is excited and nervous 2. Interested in the new specialty track – how may they enroll after completion of DMS? (MB: we are working on a plan to make this available) 3. Will there be a replacement for the broken simulator? (MB: we are planning to petition Perkins Grant for new simulator)
Employment Opportunities	Mike Beauford	Please notify Mike Beauford (225) 216-8046 or Richard Goldsmith (225) 216-8498 of entry level job availability. Job placement stats are vital part of CAAHEP evaluation <ul style="list-style-type: none"> ➤ Acquainted with students – know their skills / work ethic ➤ Less expensive recruiting locally ➤ Support local program/employees 	
General Discussion	Open Forum		Dr. S – BRCC has done a good job with the program – we have good students who are confident and well trained – clinical rotations (as opposed to staying at one site – is a good idea to receive training and experience with a variety of preceptors and equipment
9:30	Adjourn	Thank You for attending the Advisory Committee meeting!	Meeting adjourned at 9:40 am



**Baton Rouge- Capital - Regional Labor Market Area 2
Long Term Projections for All Occupations to 2030**

RLMA 2 : Ascension, East Baton Rouge, East Feliciana, Iberville, Livingston, Pointe Coupee, St. Helena, Tangipahoa, Washington, West Baton Rouge, & West Feliciana

Occ. Code	Occupational Title	2020 Employment	2030 Employment	Numeric Change	Percent Change	Exits	Annual Exits	Transfers	Annual Transfers	Change	Annual Change	Total Opening	Annual Total Openings	Most Significant Source of Education or Training	Work Experience	Job Training
29-2031	Cardiovascular Technologists and Technicians	128	137	9	7.0%	36	4	57	6	9	1	102	11	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	204	235	31	15.2%	60	6	94	9	31	3	185	18	Associate's degree	None	None

Statewide

Occ. Code	Occupational Title	2020 Employment	2030 Employment	Numeric Change	Percent Change	Exits	Annual Exits	Transfers	Annual Transfers	Change	Annual Change	Total Opening	Annual Total Openings	Most Significant Source of Education or Training	Work Experience	Job Training
29-2031	Cardiovascular Technologists and Technicians	794	800	6	0.8%	218	22	343	34	6	1	567	57	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	1,153	1,258	105	9.1%	329	33	518	52	105	10	952	95	Associate's degree	None	None



Louisiana Employment Trends

29-2032.00 - Diagnostic Medical Sonographers Bright Outlook

View trends for state:

In Louisiana:

Employment (2020)	1,150 employees
Projected employment (2030)	1,260 employees
Projected growth (2020-2030)	10%
Projected annual job openings (2020-2030)	100

In the United States:

Employment (2022)	83,800 employees
Projected employment (2032)	95,800 employees
Projected growth (2022-2032)	14% Much faster than average
Projected annual job openings (2022-2032)	5,700

Louisiana source: Projections Central [2020-2030 long-term projections](#) . United States source: Bureau of Labor Statistics [2022-2032 employment projections](#) . "Projected growth" represents the estimated change in total employment over the projections period. "Projected annual job openings" represent openings due to growth and replacement.



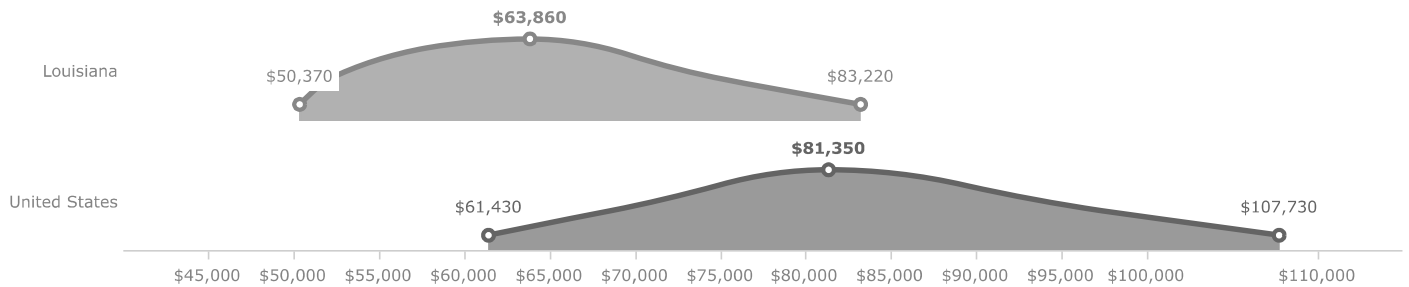
Louisiana Wages

29-2032.00 - Diagnostic Medical Sonographers 🌟 Bright Outlook

Wages for state:

Wages near ZIP Code:

Annual Wages Hourly Wages



In Louisiana:

- Workers on average earn **\$63,860**.
- 10% of workers earn **\$50,370 or less**.
- 10% of workers earn **\$83,220 or more**.

In the United States:

- Workers on average earn **\$81,350**.
- 10% of workers earn **\$61,430 or less**.
- 10% of workers earn **\$107,730 or more**.

Source: Bureau of Labor Statistics [2022 wage data](#) [🔗](#)

Full Details

Save Table: [XLSX](#) [CSV](#)

Location	Annual Low (10%)	Annual Q _L (25%)	Annual Median (50%)	Annual Q _U (75%)	Annual High (90%)
United States	\$61,430	\$68,580	\$81,350	\$97,350	\$107,730
Louisiana	\$50,370	\$52,000	\$63,860	\$75,340	\$83,220
Alexandria, LA	\$46,400	\$46,400	\$65,880	\$79,980	\$81,130
Baton Rouge, LA	\$50,180	\$63,260	\$65,830	\$79,910	\$92,290
Central Louisiana nonmetropolitan area	\$50,340	\$63,040	\$64,640	\$78,380	\$88,570
Houma-Thibodaux, LA	\$52,630	\$58,040	\$62,460	\$76,430	\$81,990
Lafayette, LA	\$40,590	\$58,010	\$66,220	\$80,590	\$84,860
Lake Charles, LA	\$43,760	\$50,370	\$61,300	\$71,900	\$86,020
Monroe, LA	\$52,210	\$60,330	\$66,310	\$82,870	\$83,160
New Orleans-Metairie, LA	\$52,000	\$52,000	\$56,750	\$65,590	\$80,360
Shreveport-Bossier City, LA	\$40,470	\$61,470	\$65,160	\$81,210	\$85,170
Southwest Louisiana nonmetropolitan	\$61,880	\$63,860	\$73,600	\$81,110	\$84,870

Location



Annual Low (10%)



Annual Q_L (25%)



**Annual Median
(50%)**



Annual Q_U (75%)



Annual High (90%)



area

Diagnostic Medical Sonography (Associate of Applied Science)

The Associate of Applied Science in Diagnostic Medical Sonography is a 62 credit-hour program designed to provide students with the necessary knowledge, skills, values, and competencies for a career in diagnostic ultrasound. The curriculum is based on requirements of the American Registry of Diagnostic Medical Sonography (ARDMS). Graduates will receive an Associate of Applied Science in Diagnostic Medical Sonography, and will be eligible to take the ARDMS certification examination in Obstetrics/Gynecology, Abdomen, and Ultrasound Physics/Sonography Principles and Instrumentation.

A selective admissions process is used to select candidates for enrollment in the program.

Admission Criteria

The following courses are prerequisites for admission to the Sonography program. Students must earn a grade of “C” or better in all of prerequisite courses listed.

Prerequisite Courses

Course		Credit Hours
ENGL 1013	English Composition I	3
MATH 1213	College Algebra	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
PSYC 2013	Introduction to Psychology	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
SONO 1011	Foundations of Sonography	1
Any SACSCOC-accepted General Education Humanities course*		3
Total Prerequisite Hours		30

In addition, to be eligible for entry into the Sonography program, students must:

- Have a calculated GPA of 2.75 or higher in the 30 credit hours of prerequisite courses only.
- Achieve a composite score of 65 or better on the sonography admission exam.

It is important to note that admission to the Sonography program is competitive: *meeting the minimum requirements listed here does not guarantee admission.*

Application Process

The application for admission to the Diagnostic Medical Sonography Program is available on the BRCC website once a year, during the fall semester. Detailed instructions for completing the admission application are included in the application packet. Completed and signed applications are due by the deadline indicated on the application. Late applications will not be accepted.

A selective admissions process is used to select candidates for enrollment in the program. Students admitted to sonography will receive additional instructions regarding program requirements that include but are not limited to: submission of personal health history, a physical examination, a TB skin test, various immunizations/vaccinations, a urine drug screen, and CPR certification. A positive urine drug screen or any attempt to tamper with a specimen may disqualify an applicant and/or result in dismissal from the Sonography program. Costs for all requirements are incurred by the student.

Criminal Background Check

Applicants to the Sonography program must submit to a criminal background check, with all costs borne by the student. Applicants who have been charged with, pled guilty or *nolo contendere* to, been convicted of, or committed a criminal offense that involves a crime of violence or distribution of drugs may be denied the right to take national certification exams offered by the American Registry of Diagnostic Medical Sonography (ARDMS).

Program Outcomes. Upon successful completion of the program, the graduate will be able to:

1. Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
2. Recognize the importance of patient care and comfort.
3. Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician.
4. Demonstrate sound clinical judgment in the performance of sonographic and other diagnostic services.
5. Demonstrate appropriate communication skills with patients, families and colleagues.
6. Demonstrate professionalism and ethical behavior.
7. Provide patient education related to medical ultrasound and other diagnostic procedures.

PROGRAM OF STUDY

First Semester		Credit Hours
MATH 1213	College Algebra	3
ENGL 1013	English Composition I	3
PSYC 2013	Introduction to Psychology	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
SONO 1011	Foundations of Sonography	1
		14
Second Semester		Credit Hours
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
Any SACSCOC-accepted General Education Humanities course*		3
		16
Third Semester		Credit Hours
SONO 1102	Physics and Instrumentation I	2
SONO 1143	Ultrasound Learning Lab I	3

SONO 1203	Sonographic Sectional Anatomy	3
		8
Fourth Semester		Credit Hours
SONO 1122	Abdominal Ultrasound I	2
SONO 1161	Ultrasound Practicum I	1
SONO 1182	Ultrasound OB/GYN I	2
SONO 2101	Physics and Instrumentation II	1
		6
Fifth Semester		Credit Hours
SONO 2123	Abdominal Ultrasound II	3
SONO 2163	Ultrasound Practicum II	3
SONO 2183	Ultrasound OB/GYN II	3
SONO 2201	Physics and Instrumentation III	1
		10
Sixth Semester		Credit Hours
SONO 2302	Abdominal Ultrasound III	2
SONO 2403	Ultrasound Practicum III	3
SONO 2502	Ultrasound OB/GYN III	2
SONO 2601	Comprehensive Seminar	1
		8
Total Program Hours		62

* Approved General Education course in English literature, History, Humanities, or Philosophy (except PHIL 2113, Introduction to Logic)

For more information, contact the Division of Nursing and Allied Health at (225) 216-8044.

Diagnostic Medical Sonography (Associate of Applied Science), Abdomen-OB/GYN concentration

The Associate of Applied Science in Diagnostic Medical Sonography is designed to provide students with the necessary knowledge, skills, values, and competencies for a career in diagnostic ultrasound. The curriculum is based on requirements of the American Registry of Diagnostic Medical Sonography (ARDMS). Students completing the Abdominal-OB/GYN concentration will be eligible to take the ARDMS registry examinations in Obstetrics/Gynecology, Abdomen, and Ultrasound Physics/Sonography Principles and Instrumentation.

A selective admissions process is used to select candidates for enrollment in the program.

Admission Criteria

The following courses are prerequisites for admission to the Sonography program. Students must earn a grade of “C” or better in all of prerequisite courses listed.

Prerequisite Courses

Course		Credit Hours
ENGL 1013	English Composition I	3
MATH 1213	College Algebra	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
PSYC 2013	Introduction to Psychology	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
SONO 1011	Foundations of Sonography	1
Any SACSCOC-accepted General Education Humanities course*		3
Total Prerequisite Hours		30

In addition, to be eligible for entry into the Sonography program, students must:

- Have a calculated GPA of 2.75 or higher in the 30 credit hours of prerequisite courses only.
- Achieve a composite score of 65 or better on the sonography admission exam.

It is important to note that admission to the Sonography program is competitive: *meeting the minimum requirements listed here does not guarantee admission.*

Application Process

The application for admission to the Diagnostic Medical Sonography Program is available on the BRCC website once a year, during the fall semester. Detailed instructions for completing the admission application are included in the application packet. Completed and signed applications are due by the deadline indicated on the application. Late applications will not be accepted.

A selective admissions process is used to select candidates for enrollment in the program. Students admitted to sonography will receive additional instructions regarding program requirements that include but are not limited to: submission of personal health history, a physical examination, a TB skin

test, various immunizations/vaccinations, a urine drug screen, and CPR certification. A positive urine drug screen or any attempt to tamper with a specimen may disqualify an applicant and/or result in dismissal from the Sonography program. Costs for all requirements are incurred by the student.

Criminal Background Check

Applicants to the Sonography program must submit to a criminal background check, with all costs borne by the student. Applicants who have been charged with, pled guilty or *nolo contendere* to, been convicted of, or committed a criminal offense that involves a crime of violence or distribution of drugs may be denied the right to take national certification exams offered by the American Registry of Diagnostic Medical Sonography (ARDMS).

Program Outcomes. Upon successful completion of the program, the graduate will be able to:

1. Integrate pertinent patient history and supporting clinical data prior to scanning to facilitate optimum diagnostic results.
2. Explain the importance of patient care and comfort.
3. Integrate diagnostic data and other pertinent observations recorded and processed during the procedure for presentation to the interpreting physician.
4. Demonstrate sound clinical judgment in the performance of sonographic and other diagnostic services.
5. Demonstrate appropriate communication skills when conveying findings of sonographic exams to the interpreting physician.
6. Demonstrate safe application of ultrasound through implementation of the “As Low As Reasonably Achievable” (ALARA) principle.

PROGRAM OF STUDY

First Semester		Credit Hours
MATH 1213	College Algebra	3
ENGL 1013	English Composition I	3
PSYC 2013	Introduction to Psychology	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
SONO 1011	Foundations of Sonography	1
		14
Second Semester		Credit Hours
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
Any SACSCOC-accepted General Education Humanities course*		3
		16
Third Semester		Credit Hours
SONO 1102	Physics and Instrumentation I	2
SONO 1143	Ultrasound Learning Lab I	3
SONO 1203	Sonographic Sectional Anatomy	3
		8

Fourth Semester		Credit Hours
SONO 1122	Abdominal Ultrasound I	2
SONO 1161	Ultrasound Practicum I	1
SONO 1182	Ultrasound OB/GYN I	2
SONO 1201	Physics and Instrumentation II	1
		6
Fifth Semester		Credit Hours
SONO 2123	Abdominal Ultrasound II	3
SONO 2163	Ultrasound Practicum II	3
SONO 2183	Ultrasound OB/GYN II	3
SONO 2201	Physics and Instrumentation III	1
		10
Sixth Semester		Credit Hours
SONO 2302	Abdominal Ultrasound III	2
SONO 2403	Ultrasound Practicum III	3
SONO 2502	Ultrasound OB/GYN III	2
SONO 2601	Comprehensive Abdomen-OB/GYN Seminar	1
		8
Total Program Hours		62

* Approved General Education course in English literature, History, Humanities, or Philosophy (except PHIL 2113, Introduction to Logic)

For more information, contact the Division of Nursing and Allied Health at (225) 216-8044.

Diagnostic Medical Sonography (Associate of Applied Science) Echocardiography and Vascular Technology concentration

The Associate of Applied Science in Diagnostic Medical Sonography is designed to provide students with the necessary knowledge, skills, values, and competencies for a career in diagnostic ultrasound. The curriculum is based on requirements of the American Registry of Diagnostic Medical Sonography (ARDMS). Students completing the Echocardiography and Vascular Technology concentration will be eligible to take the ARDMS registry examinations in Cardiac Sonography and Vascular Technology, and Ultrasound Physics/Sonography Principles and Instrumentation.

A selective admissions process is used to select candidates for enrollment in the program.

Admission Criteria

The following courses are prerequisites for admission to the Sonography program. Students must earn a grade of “C” or better in all of prerequisite courses listed.

Prerequisite Courses

Course		Credit Hours
ENGL 1013	English Composition I	3
MATH 1213	College Algebra	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
PSYC 2013	Introduction to Psychology	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
SONO 1011	Foundations of Sonography	1
Any SACSCOC-accepted General Education Humanities course*		3
Total Prerequisite Hours		30

In addition, to be eligible for entry into the Sonography program, students must:

- Have a calculated GPA of 2.75 or higher in the 30 credit hours of prerequisite courses only.
- Achieve a composite score of 65 or better on the sonography admission exam.

It is important to note that admission to the Sonography program is competitive: *meeting the minimum requirements listed here does not guarantee admission.*

Application Process

The application for admission to the Diagnostic Medical Sonography Program is available on the BRCC website once a year, during the fall semester. Detailed instructions for completing the admission application are included in the application packet. Completed and signed applications are due by the deadline indicated on the application. Late applications will not be accepted.

A selective admissions process is used to select candidates for enrollment in the program. Students admitted to sonography will receive additional instructions regarding program requirements that

include but are not limited to: submission of personal health history, a physical examination, a TB skin test, various immunizations/vaccinations, a urine drug screen, and CPR certification. A positive urine drug screen or any attempt to tamper with a specimen may disqualify an applicant and/or result in dismissal from the Sonography program. Costs for all requirements are incurred by the student.

Criminal Background Check

Applicants to the Sonography program must submit to a criminal background check, with all costs borne by the student. Applicants who have been charged with, pled guilty or *nolo contendere* to, been convicted of, or committed a criminal offense that involves a crime of violence or distribution of drugs may be denied the right to take national certification exams offered by the American Registry of Diagnostic Medical Sonography (ARDMS).

Program Outcomes. Upon successful completion of the program, the graduate will be able to:

1. Integrate pertinent patient history and supporting clinical data prior to scanning to facilitate optimum diagnostic results.
2. Explain the importance of patient care and comfort.
3. Integrate diagnostic data and other pertinent observations recorded and processed during the procedure for presentation to the interpreting physician.
4. Demonstrate sound clinical judgment in the performance of sonographic and other diagnostic services.
5. Demonstrate appropriate communication skills when conveying findings of sonographic exams to the interpreting physician.
6. Demonstrate safe application of ultrasound through implementation of the “As Low As Reasonably Achievable” principle.

PROGRAM OF STUDY

First Semester		Credit Hours
MATH 1213	College Algebra	3
ENGL 1013	English Composition I	3
PSYC 2013	Introduction to Psychology	3
BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1
SONO 1011	Foundations of Sonography	1
		14
Second Semester		Credit Hours
BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3
HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3
Any SACSCOC-accepted General Education Humanities course*		3
		16
Third Semester		Credit Hours
SONO 1102	Physics and Instrumentation I	2
ECVT 1103	Cardiac Electrophysiology	3
ECVT 1113	Echocardiography I	3

ECVT 1123	Echocardiography Learning Lab	3
		11
Fourth Semester		Credit Hours
SONO 1201	Physics and Instrumentation II	1
ECVT 1202	Cerebrovascular Ultrasound	2
ECVT 1213	Echocardiography II	3
ECVT 1221	Echocardiography Practicum I	1
		7
Fifth Semester		Credit Hours
SONO 2201	Physics and Instrumentation III	1
ECVT 2112	Echocardiography III	2
ECVT 2123	Echocardiography Practicum II	3
ECVT 2142	Peripheral Arterial Ultrasound	2
ECVT 2102	Abdominal and Renal Vascular Ultrasound	2
		10
Sixth Semester		Credit Hours
ECVT 2201	Comprehensive Cardiovascular Seminar	1
ECVT 2212	Congenital Cardiac Pathology	2
ECVT 2223	Echocardiography Practicum III	3
ECVT 2232	Peripheral Venous Ultrasound	2
		8
Total Program Hours		66

* Approved General Education course in English literature, History, Humanities, or Philosophy (except PHIL 2113, Introduction to Logic)

For more information, contact the Division of Nursing and Allied Health at (225) 216-8044.

Diagnostic Medical Sonography (Associate of Applied Science)

PROGRAMS OF STUDY

Current – <u>Abdomen-OB/GYN concentration</u>			Proposed Echocardiography and Vascular Technology concentration		
First Semester (required prerequisite courses)		SCH	First Semester (required prerequisite courses)		SCH
MATH 1213	College Algebra	3	MATH 1213	College Algebra	3
ENGL 1013	English Composition I	3	ENGL 1013	English Composition I	3
PSYC 2013	Introduction to Psychology	3	PSYC 2013	Introduction to Psychology	3
BIOL 2213	Anatomy and Physiology I	3	BIOL 2213	Anatomy and Physiology I	3
BIOL 2211	Anatomy and Physiology I Lab	1	BIOL 2211	Anatomy and Physiology I Lab	1
SONO 1011	Foundations of Sonography	1	SONO 1011	Foundations of Sonography	1
		14			14
Second Semester (required prerequisite courses)			Second Semester (required prerequisite courses)		
BIOL 2223	Anatomy and Physiology II	3	BIOL 2223	Anatomy and Physiology II	3
BIOL 2221	Anatomy and Physiology II Lab	1	BIOL 2221	Anatomy and Physiology II Lab	1
PHYS 1013	Introduction to Concepts in Physics	3	PHYS 1013	Introduction to Concepts in Physics	3
HLSC 1103	Medical Terminology	3	HLSC 1103	Medical Terminology	3
PHIL 2253	Biomedical Ethics	3	PHIL 2253	Biomedical Ethics	3
General Education Humanities course*		3	General Education Humanities course*		3
		16			16
Upon Admission:					
Third Semester (Spring)		SCH	Third Semester (Spring)		SCH
SONO 1102	Physics and Instrumentation I	2	SONO 1102	Physics and Instrumentation I	2
			ECVT 1103	Cardiac Electrophysiology	3
SONO 1143	Ultrasound Learning Lab I	3	ECVT 1113	Echocardiography I	3
SONO 1203	Sonographic Sectional Anatomy	3	ECVT 1123	Echocardiography Learning Lab	3
		8			11
Fourth Semester (Summer)			Fourth Semester (Summer)		
SONO 1122	Abdominal Ultrasound I	2	ECVT 1202	Cerebrovascular Ultrasound	2
SONO 1161	Ultrasound Practicum I	1	ECVT 1213	Echocardiography II	3
SONO 1182	Ultrasound OB/GYN I	2	ECVT 1221	Echocardiography Practicum I	1
SONO 1201	Physics and Instrumentation II	1	SONO 1201	Physics and Instrumentation II	1
		6			7
Fifth Semester (Fall)			Fifth Semester (Fall)		
			ECVT 2102	Abdominal & Renal Vascular Ultrasound	2
SONO 2123	Abdominal Ultrasound II	3	ECVT 2112	Echocardiography III	2
SONO 2163	Ultrasound Practicum II	3	ECVT 2123	Echocardiography Practicum II	3
SONO 2183	Ultrasound OB/GYN II	3	ECVT 2142	Peripheral Arterial Ultrasound	2
SONO 2201	Physics and Instrumentation III	1	SONO 2201	Physics and Instrumentation III	1
		10			10
Sixth Semester (Spring)			Sixth Semester (Spring)		
SONO 2302	Abdominal Ultrasound III	2	ECVT 2201	Comprehensive Echo Seminar	1
SONO 2403	Ultrasound Practicum III	3	ECVT 2212	Congenital Cardiac Pathology	2
SONO 2502	Ultrasound OB/GYN III	2	ECVT 2223	Echocardiography Practicum III	2
SONO 2601	Comprehensive Seminar	1	ECVT 2233	Peripheral Venous Ultrasound	3
		8			8
Total Program Hours		62	Total Program Hours		66

* Approved General Education course in English literature, History, Humanities, or Philosophy (except PHIL 2113, Introduction to Logic)

Echocardiography and Vascular Technology (ECVT) Courses

ECVT 1103, Cardiac Electrophysiology (2-3-3), CIP code 51.0910

Course Description: Introduces the concepts essential in the performance and interpretation of 3-lead and 12-lead electrocardiograms (EKG) and pathophysiology of heart sounds. The course concentrates on specialized terminology, cardiac and vascular anatomy, electrophysiology, electrocardiography, exercise physiology, stress testing, Holter monitoring, cardiac pacemakers, and cardiac rehabilitation. Laboratory experiences will be provided.

Prerequisite: Admission to the Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 1113, Echocardiography I (1-6-3), CIP code 51.0910

Course Description: Introduces the use of sonography for evaluating cardiac anatomy, function and hemodynamics as used in diagnosing coronary artery heart, and vascular disease. Emphasizes performance and interpretation of 2-Dimensional, M-Mode, and Doppler echocardiography. Laboratory experience will emphasize the application of theoretical principles and concepts and producing quality echocardiograms.

Prerequisite: Admission to the Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 1123, Echocardiography Learning Lab (0-9-3), CIP code 51.0910

Course Description: Introduces the basic principles and applications of patient care, the physical assessment and cardiovascular diagnostic procedures, imaging principles and instrumentation, basic Pulsed and Continuous Wave Doppler and Color Doppler principles, common terminology and abbreviations. This course requires a lab fee.

Prerequisite: Admission to the Diagnostic Medical Sonography AAS, Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 1202, Cerebrovascular Ultrasound (1-3-2), CIP code 51.0910

Course Description: Emphasizes normal cerebrovascular anatomy and hemodynamics, pathophysiology of cerebrovascular disease and methods of cerebrovascular testing, including scanning of the extracranial carotid and vertebral and subclavian arteries. This course is offered only in the eight-week summer session.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 1213, Echocardiography II (2-3-3), CIP code 51.0910

Course Description: Continues didactic and psychomotor content introduced in Echocardiography I. This course incorporates all forms of non-invasive cardiovascular evaluation with an emphasis on performance and interpretation of 2-Dimensional, M-Mode and Doppler echocardiography. Laboratory experience will demonstrate the application of theoretical principles and concepts for obtaining quality echocardiograms. This course is offered only in the eight-week summer session.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 1221, Echocardiography Practicum I (0-8-1), CIP code 51.0910

Course Description: Initiates working with preceptors at clinical associate sites (first of three semesters of Echocardiography Practicum). Students will perform echocardiography, electrophysiology, and participate in ultrasound guided procedures under the supervision of registered preceptors. Students must pass required competencies, evaluated by their clinical preceptors. This course is offered only in the eight-week summer session.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2102, Abdominal and Renal Vascular Ultrasound (1-3-2), CIP code 51.0910

Course Description: Emphasizes normal anatomy and sonographic imaging and Doppler assessment of the abdominal aorta and its major branches, the vena cava, the renal arteries and veins, and the iliac arteries and veins. Emphasis is placed on pathophysiology and testing for aortic and iliac vascular disease, pathologies of the vena cava, and renovascular disease.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2112, Echocardiography III (1-3-2), CIP code 51.0910

Course Description: Concludes the Echocardiography course sequence. This course incorporates all forms of non-invasive cardiovascular evaluation with an emphasis on independent performance and interpretation of 2-Dimensional, M-Mode, and Doppler echocardiography. Laboratory experiences conclude the application of theoretical principles and concepts, and focuses on the student obtaining quality echocardiograms without the assistance of the instructor.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2123, Echocardiography Practicum II (0-24-3), CIP code 51.0910

Course Description: Continues the opportunity for students to work in the clinical environment with preceptors at clinical associate sites (the second of three semesters of Echocardiography Practicum). Students will perform echocardiography, electrophysiology, and participate in ultrasound guided procedures. Students must pass required competencies, evaluated by their clinical preceptors.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2142, Peripheral Arterial Ultrasound (1-3-2), CIP code 51.0910

Course Description: Emphasizes normal peripheral arterial anatomy and hemodynamics, pathophysiology of peripheral arterial disease, and methods of arterial testing of the upper extremities and lower extremities.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2201, Comprehensive Echo Seminar (0-3-1), CIP code 51.0910

Course Description: Includes presentations by teaching faculty and guest instructors on various topics of study relevant to adult echocardiography and vascular technology. Students will be expected to select and present to the class relevant topics for learning and discussion. Students will learn study methods and strategies to prepare for registry exams (Industry Based Certification – IBC).

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2212, Congenital Cardiac Pathology (1-3-2), CIP code 51.0910

Course Description: Introduces congenital heart pathology with instruction on fetal cardiac embryology, pediatric pathology, age-appropriate patient care, and corrective surgical procedures.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2223, Echocardiography Practicum III (0-24-3), CIP code 51.0910

Course Description: Concludes working in the clinical environment with preceptors at clinical associate sites (third of three semesters of Echocardiography Practicum). Students will perform echocardiography, electrophysiology, and participate in ultrasound guided procedures without the assistance of preceptors. Students must pass required competencies, evaluated by their clinical preceptors.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

ECVT 2232, Peripheral Venous Ultrasound (1-3-2), CIP code 51.0910

Course Description: Emphasizes normal peripheral venous anatomy and hemodynamics, pathophysiology of peripheral venous disease, and methods of venous testing of the upper extremities and lower extremities.

Prerequisite: Permission of the Program Manager for the Diagnostic Medical Sonography AAS Echocardiography and Vascular Technology concentration

Co-Requisite: None

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Cardiac

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Specialty Curricula

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Discipline: BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES.

Degree Level = Certificate-1yr

Institution	CIP Code	Award Level	Subject/Discipline	Approved	Average. Completers (5-Years)
Baton Rouge Community College	520302	CTS	ACCOUNTING TECHNOLOGY	2012/06	13
Bossier Parish Community College	520302	CTS	ACCT TECH:ACCOUNT CLERK	2011/06	9
Delgado Community College	520302	CTS	ACCT TECH:ACCOUNT CLERK	2010/07	64
L.E. Fletcher Technical Community College	520302	CTS	ACCOUNT CLERK	2003/10	9
L.E. Fletcher Technical Community College	520302	CTS	PAYROLL CLERK	2003/10	8
Louisiana Delta Community College	520302	CTS	ACCT TECH:ACCOUNT CLERK	2010/07	0
LSU Eunice	520302	CTS	ACCT TECH: ACCOUNT CLEARK	2014/06	3
SOWELA Technical Community College	520302	CTS	ACCOUNTING ASSISTANT	2004/05	18
SOWELA Technical Community College	520302	CTS	ACCOUNTING SPECIALIST	2004/05	14

INSTITUTION	BRCC	BPCC	DCC	FTCC	FTCC	LSU-E	SOWELA	SOWELA
PROGRAM TITLE	ACCOUNTING TECHNOLOGY	ACCOUNTING TECHNOLOGY: ACCOUNT CLERK	ACCOUNTING TECHNOLOGY: ACCOUNT CLERK	ACCOUNT CLERK	PAYROLL CLERK	ACCOUNTING TECHNOLOGY: ACCOUNT CLERK	ACCOUNTING ASSISTANT	ACCOUNTING SPECIALIST
PROGRAM DESCRIPTION	Provides the knowledge and skills necessary for entry-level accounting and bookkeeping, with a focus on the employment needs of local/state governments and the area parishes' business community. It also provides the necessary credit hours to meet state civil service accounting requirements for advancement in several entry-level accounting positions.	Provides specialized classroom instruction and practical experience to prepare students for employment as accounting clerks and assistants or to provide supplemental training for persons previously or currently employed in accounting.	Designed to prepare students for employment as administrative support to professional accountants and other financial management personnel. The program focuses on technical accounting, computer skills, and communication skills.	Prepares students to provide technical support to professional accountants and other management personnel by recording, summarizing, and reporting financial information of an organization. Fletcher's Accounting Technology Program provides a foundation in basic accounting and bookkeeping skills. It includes instruction in general accounting principles and practices, posting transactions to accounts, record keeping systems, and accounting software operation. This program of study provides specialized classroom instruction and practical experience to prepare students for employment as accounting technicians or to provide supplemental training for persons previously or currently employed as accounting technicians. The program prepares individuals to provide technical support to professional accountants and other management personnel.		Provides specialized classroom instruction and practical experiences to prepare students for employment as accounting clerks and assistants or to provide supplemental training for persons previously or currently employed in accounting.	Designed to prepare the student for general office work emphasizing manual and computerized accounting. The mission of the Accounting Technology programs is to train students in general accounting principles and practices in preparation for careers in business, or to help further their education. The accounting programs prepare students for careers in the business world. It includes instruction in general accounting principles and practices, posting transactions to accounts, record-keeping systems, and accounting software operation. The programs emphasize safe and efficient work practices, basic occupational skills, and employability skills. The content is organized into competency-based courses that specify occupational competencies that the student must successfully complete.	
CREDIT HRS for CTS	24	30	21	24	36	30	21	33
CREDIT HRS in ACCT (% of coursework)	24 (100%)	15 (50%)	12 (57%)	6 (25%)	12 (33%)	15 (50%)	6 (29%)	15 (45%)
Curriculum:	ACCT 2313 Financial Accounting I	ACCT 205, Introduction to Financial Accounting	ENGL 101, English Composition I or ENGL 110, Intensive English Composition I	ENGL 1000/1010, English Composition	ENGL 1000/1010, English Composition	ENGL 1001, English Composition I	OADM 1150, Introduction to Software Applications, or ITEC 1000, Application Basics	OADM 1150, Introduction to Software Applications, or ITEC 1000, Application Basics
	ACCT 2323 Financial Accounting II	ACCT 210, Personal Income Tax	ACCT 201, Principles of Accounting I	ACCT 2100, Financial Accounting	ACCT 2100, Financial Accounting	MATH - College Algebra	ACCT 1110, Fundamentals of Accounting	ACCT 1110, Fundamentals of Accounting
	ACCT 2103 Introduction to Auditing	BADM 105, General Business Administration	ACCT 202, Principles of Accounting II	CPTR 1100, Introduction to Computer Applications	CPTR 1100, Introduction to Computer Applications	ACCT 2001, Introduction to Financial Accounting	OADM 1100, Keyboarding I	OADM 1100, Keyboarding I
	ACCT 2213 Introduction to Managerial Accounting	BADM 113, Business Mathematics	ACCT 218, Payroll	KYBD 1100, Keyboarding I	KYBD 1100, Keyboarding I	BADM 1001, Introduction to Business Administration	OADM 1330, Introduction to Spreadsheets	OADM 1330, Introduction to Spreadsheets
	ACCT 2413 Computer-Based Accounting	CTEC 100, Computer Concepts	ACCT 222, Computerized Accounting Using QuickBooks	ACCT 2300, Intermediate Accounting	ACCT 2300, Intermediate Accounting	ISDS 2100, Microcomputer Applications	OADM, 1450 Basic Word Processing	OADM, 1450 Basic Word Processing
	ACCT 2353 Accounting Information Systems	ACCT 218, Payroll Accounting	BUSG 240, Business Communications	CINS 1350, Spreadsheet Applications	CINS 1350, Spreadsheet Applications	ACCT 2101, Introduction to Managerial Accounting	Business Elective	Business Elective
	ACCT elective	ACCT 206, Introduction to Managerial Accounting	BUSG 224, Business Computer Applications	CINS 1250, Word Processing	CINS 1250, Word Processing	ACCT 2102, Microcomputer Accounting	Accounting Elective	Accounting Elective
	ACCT elective	BADM 108, Finance		BUSN 2130, Personal Finance	BUSN 2130, Personal Finance	ACCT 2030, Fundamentals of Income Tax Preparation		ACCT 2030, Financial Accounting
		CTEC 145, Advanced MS Excel			BUSN 1050, Business Communications	ACCT 2105, QuickBooks Accounting with Payroll		ACCT 2040, Managerial Accounting
	ACCT Electives:	ACCT 212, Computerized Accounting			CINS 1750, Database Applications	FIN - Finance Elective		Accounting Elective
	ACCT 2123, Intro to Governmental and Not-for-Profit Accounting				ACCT 2250, Payroll Accounting			OADM 2640, Advanced Spreadsheet Applications
	ACCT 2513, Payroll Accounting				ACCT 2500, Computerized Accounting			
	ACCT 2613, Introduction to Federal Taxation						Approved Business Electives: BUSI 1030 Introduction to Business BUSI 1210 Business Math BUSI 2080 Intro to HR Management BUSI 2010 Legal Environment of Business BUSI 1090 Personal Finance BUSI 2310 Principles of Management BUSI 2320 Principles of Marketing BUSI 2330 Business Ethics BUSI 2995 Internship	Approved Accounting Electives: ACCT 1120 Bookkeeping Applications ACCT 2995 Internship ACCT 1150 Federal Income Tax ACCT 2996 Special Projects ACCT 1210 Computerized Accounting ACCT 1250 Payroll Accounting

Accounting (ACCT) courses included in the Accounting Technology CTS and course content alignment with the definitions of a program in Accounting (CIP code 51.0301) and Accounting Technology/Technician and Bookkeeping (CIP code 52.0302) as defined by the National Center for Education Statistics.

BRCC Accounting Course	Topics included in definition for CIP code 52.0301, Accounting	Topics included in definition for CIP code 52.0302, Accounting Technology/ Technician and Bookkeeping
ACCT 2313, Financial Accounting I	X	X
ACCT 2323, Financial Accounting II	X	X
ACCT 2103, Introduction to Auditing	X	
ACCT 2213, Introduction to Managerial Accounting	X	X
ACCT 2413, Computer-Based Accounting	X	X
ACCT 2353, Accounting Information Systems	X	
ACCT 2123, Intro to Governmental and Not-for-Profit Accounting*	X	X
ACCT 2513, Payroll Accounting*		
ACCT 2613, Introduction to Federal Taxation*	X	

* Students select two of these courses to complete the program.

Signature: *Wendi Palermo*

Email: wendipalermo@lctcs.edu









Consent Agenda - Program Requests at BRCC

Final Audit Report

2023-12-05

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