

Student Name: _____

SID: _____

 Courses may be subject to prerequisites and minimum grade requirements. Check online at www.bellevuecollege.edu/classes/All/

PROGRAM REQUIREMENTS			REQUESTED SUBSTITUTION/TRANSFER CREDIT (if applicable)					
Course	Course Title	Credits	College/University	Course	Credits	Grade	Quarter	Year
CORE COURSEWORK								
BIOL& 241	Human Anatomy & Physiology I	6						
BIOL& 242	Human Anatomy & Physiology II	6						
HPRO 120	Medical Terminology	3						
MATH& 141	Precalculus I	5						
PHYS& 100	Physics — Basic Concepts	5						
Choose 5 Credits from the following		5						
ENGL 201	The Research Paper (5 Cr)							
ENGL& 235	Technical Writing (5 Cr)							
Five credits from BC approved Cultural Diversity courses (5 Cr) (see DUTEC program website)		5						
GENERAL ULTRASOUND								
FIRST YEAR – FALL QUARTER:								
DUTEC 100	Introduction to Sonography	3						
DUTEC 105	Pathophysiology I	3						
DUTEC 107	Human Cross-Section Anatomy	7						
DUTEC 130	Small Parts with Vasculature Sonography	3						
DUTEC 170	Ultrasound Physics and Instrumentation I	3						
FIRST YEAR - WINTER QUARTER:								
DUTEC 106	Pathophysiology II	3						
DUTEC 110	Abdominal Scanning & Techniques	5						
DUTEC 135	Ultrasound Equipment I	3						
DUTEC 171	Ultrasound Physics & Instrumentation II	3						
FIRST YEAR - SPRING QUARTER:								
DUTEC 112	Pathophysiology III	3						
DUTEC 120	Obstetrics & Gynecological Sonography	5						
DUTEC 145	Ultrasound Equipment II	4						
DUTEC 160	Vascular Ultrasound Technology	3						
FIRST YEAR - SUMMER QUARTER:								
DUTEC 102	Practical Aspects of Sonography	3						
DUTEC 113	Pathophysiology IV	3						
DUTEC 165	Ultrasound Equipment III	3						
DUTEC 180	Advanced Studies: General Ultrasound	3						
SECOND YEAR - FALL QUARTER:								
DUTEC 210	Clinical Practicum I	13						
SECOND YEAR - WINTER QUARTER:								
DUTEC 220	Clinical Practicum II	13						
SECOND YEAR - SPRING QUARTER:								
DUTEC 230	Clinical Practicum III	13						
SECOND YEAR - SUMMER QUARTER:								
DUTEC 240	Clinical Practicum IV	13						
GRAND TOTAL		112						

VASCULAR TECHNOLOGY ULTRASOUND									
FIRST YEAR – FALL QUARTER:									
DUTEC 100	Introduction to Sonography	3							
DUTEC 105	Pathophysiology I	3							
DUTEC 107	Human Cross-Section Anatomy	7							
DUTEC 130	Small Parts with Vasculature Sonography	3							
DUTEC 170	Ultrasound Physics and Instrumentation I	3							
FIRST YEAR - WINTER QUARTER:									
DUTEC 106	Pathophysiology II	3							
DUTEC 110	Abdominal Scanning & Techniques	5							
DUTEC 135	Ultrasound Equipment I	3							
DUTEC 171	Ultrasound Physics & Instrumentation II	3							
FIRST YEAR - SPRING QUARTER:									
DUTEC 112	Pathophysiology III	3							
DUTEC 120	Obstetrics & Gynecological Sonography	5							
DUTEC 145	Ultrasound Equipment II	4							
DUTEC 160	Vascular Ultrasound Technology	3							
FIRST YEAR - SUMMER QUARTER:									
DUTEC 102	Practical Aspects of Sonography	3							
DUTEC 113	Pathophysiology IV	3							
DUTEC 165	Ultrasound Equipment III	3							
DUTEC 182	Advanced Studies Vascular Technology	3							
SECOND YEAR - FALL QUARTER:									
DUTEC 210	Clinical Practicum I	13							
SECOND YEAR - WINTER QUARTER:									
DUTEC 220	Clinical Practicum II	13							
SECOND YEAR - SPRING QUARTER:									
DUTEC 230	Clinical Practicum III	13							
SECOND YEAR - SUMMER QUARTER:									
DUTEC 240	Clinical Practicum IV	13							
GRAND TOTAL		112							
ECHOCARDIOGRAPHY ULTRASOUND									
FIRST YEAR – FALL QUARTER:									
DUTEC 100	Introduction to Sonography	3							
DUTEC 105	Pathophysiology I	3							
DUTEC 107	Human Cross-Section Anatomy	7							
DUTEC 125	Congenital Heart Disease	3							
DUTEC 170	Ultrasound Physics and Instrumentation I	3							
FIRST YEAR - WINTER QUARTER:									
DUTEC 106	Pathophysiology II	3							
DUTEC 135	Ultrasound Equipment I	3							
DUTEC 150	Basic Echocardiography	4							
DUTEC 171	Ultrasound Physics & Instrumentation II	3							
FIRST YEAR - SPRING QUARTER:									
DUTEC 145	Ultrasound Equipment II	4							
DUTEC 155	Echocardiography	5							
DUTEC 160	Vascular Ultrasound Technology	3							
DUTEC 200	Stress, EKG and Auscultation for Echo	3							

FIRST YEAR - SUMMER QUARTER:								
DUTEC 102	Practical Aspects of Sonography	3						
DUTEC 165	Ultrasound Equipment III	3						
DUTEC 181	Advanced Studies: Echo-Vascular	3						
DUTEC 190	Pediatric Echocardiography	3						
SECOND YEAR - FALL QUARTER:								
DUTEC 210	Clinical Practicum I	13						
SECOND YEAR - WINTER QUARTER:								
DUTEC 220	Clinical Practicum II	13						
SECOND YEAR - SPRING QUARTER:								
DUTEC 230	Clinical Practicum III	13						
SECOND YEAR - SUMMER QUARTER:								
DUTEC 240	Clinical Practicum IV	13						
GRAND TOTAL		111						

Please complete this form prior to meeting with the Program Chair for signature. Completed form must be submitted to the Evaluations/Graduation Office when applying for graduation.

Program Chair: _____

Date: _____

Diagnostic Ultrasound Technology 2014-2015 Associate in Arts (continued)

DEGREE REQUIREMENTS

Must earn a cumulative GPA of 2.00 in all coursework taken at BC, and in all courses applied to the degree. A minimum of 30 credits of the total must be completed at BC.

STAYING ON TRACK

Use Degree Audit to track your progress toward completion of this degree at bellevuecollege.edu/degreeaudit.

Please refer to <http://bellevuecollege.edu/programs/degrees/> for latest degree updates and further information.

GRADUATION APPLICATION

Students must apply for graduation. Submit your graduation application form two quarters prior to the expected graduation date and pay the application fee.

Application deadlines:

- Fall: June 1
- Winter: October 10
- Spring: December 10
- Summer: March 15

PROGRAM CONTACT INFORMATION

www.bellevuecollege.edu/classes/all/

Diagnostic Ultrasound Technology

DESCRIPTION

Diagnostic Ultrasound Technology uses energy in the form of ultrasound to diagnose pathology and assess fetal well-being. The Associate of Arts degree in Diagnostic Ultrasound provides training in ultrasound patient services and related diagnostic techniques. The program offers training in the following specialty tracks: General (Abdomen & OB/GYN); Vascular Technology; and Echocardiography. Students must declare their specialty track of sonography practice at time of application. The program uses a selective-admissions process, with admissions guidelines published annually. Graduates are eligible to apply to take the American Registry of Diagnostic Medical Sonography and the American Registry of Radiologic Technology examination. It is accredited by the Commission on Accreditation of Allied Health Education Programs.

Ultrasonography, commonly called sonography, is a diagnostic medical procedure that uses high frequency sound waves (ultrasound) to produce dynamic visual images of organs, tissues, or blood flow inside the body. Sonography can be used to examine many parts of the body, such as the abdomen, breasts, female reproductive system, prostate, heart, and blood vessels. Sonography is increasingly being used in the detection and treatment of heart disease, heart attack, and vascular disease that can lead to stroke. It is also used to guide fine needle, tissue biopsy to assist in taking a sample of cells from an organ for lab testing (for example, a test for cancer in breast tissue). Unlike X-rays, sonography is a radiation-free imaging modality.

Sonographers have extensive, direct patient contact that may include performing some invasive procedures. They must be able to interact compassionately and effectively with people who range from healthy to critically ill.

Learning Outcomes

Degree recipients should possess the skills and abilities described below:

- Function in the capacity as an entry-level sonographer; acquiring diagnostic ultrasound images of the patient's anatomy to aid the physician in the diagnosis of various pathological conditions
- Act in the best interests of the patient and the institution through the prudent use of safety measures, techniques and equipment to prevent harm to patient, facility or oneself
- Act within the Ultrasonography Scope of Practice as outlined by the Society of Diagnostic Medical Sonographers
- Exercise independent judgment and discretion in the technical performance of medical imaging procedures
- Assimilate pertinent clinical information, ultrasound findings and knowledge of normal and abnormal conditions into a cohesive and complete ultrasound examination for interpreting physicians
- Communicate effectively with patients, family members, hospital staff, and the general public, and demonstrate professionalism in all actions and communications