



**Medical Imaging Department  
Diagnostic Ultrasound Technology  
Application Information  
2009**

The attached materials provide an application submission guide for the Diagnostic Ultrasound Technology program. Please read all of the application carefully. In order for your application to be considered, all steps must be completed and the required materials submitted to the Admissions office at Columbia Basin College.

Diagnostic Ultrasound is a non-invasive medical imaging technology that uses high frequency sound waves to form an image of body tissues. Information obtained from these images can be utilized along with other patient data in order to arrive at a medical diagnosis. Diagnostic Ultrasound is performed by a sonographer. Good sonographers have excellent communication and critical thinking skills, are able to work well with others, and perform well independently. Students successfully completing Diagnostic Ultrasound Technology education will be able to pursue careers in many different settings, including hospitals, medical offices, and clinics across the nation.

The Diagnostic Ultrasound Technology program is a selective admission and competitive entrance program. You must apply to the College and also to the program. Applicants are screened according to educational credentials and professional experience. The interview process will evaluate applicants' written and verbal communication skills and knowledge of the field. Applicants must be at least 18 years of age at the start of the program.

The Columbia Basin College Diagnostic Ultrasound Technology program is a self-support program not receiving subsidies from Washington state or other public support agencies. As a result, course fees are higher to cover all expenses of operating and maintaining the program. The program also requires a minimum of 10 qualified and enrolled candidates to operate. If fewer than 10 qualified candidates accept positions in the Diagnostic Ultrasound Technology program, a cohort of new students will not be started until sufficient candidates are able to enroll.

Applicants are **required** to attend at least one information session as part of the application process. A reservation is not necessary to attend and applicants will need to sign an attendance roster. Applicants who have not attended at least one information session will not be considered for program admission. Information session dates and times are located on the following web page:

<http://www.columbiabasin.edu/healthsciences/infosessions.asp>

CBC's Diagnostic Ultrasound Technology program is an eight-quarter program beginning January 4, 2010. During the course of the program, enrolled students will gain extensive hands-on training and acquire more than 1,600 hours of clinical work in a health care facility.

Upon successful completion of all program requirements, students will obtain an A) Associate of Applied Science degree in Diagnostic Ultrasound Technology *or* B) Certificate in the specialty area of study. Determination on whether a student will be granted a degree or certificate will be based on the pre-requisite requirements the student entered the program with. (See Section 3 of this application.)

Please read and complete all sections of the application. Section 1, 2, and 3 must be returned with your official transcripts to the Admissions office (address information provided below). Applications must be received as a complete package. Incomplete applications will not be reviewed. Section 4 of the application is supplemental information and should be retained for your records.



The CBC Diagnostic Ultrasound program is not accredited. As a result, students completing the program without an existing bachelor degree are required to gain one year of work experience prior to registering with the American Registry for Diagnostic Medical Sonography (ARDMS). Students completing the program with an existing bachelor degree are able to register with ARDMS upon successful completion of the program without the additional year of work experience.

Applications will be accepted between October 5, 2009 and October 30, 2009.

Applications should be mailed or hand delivered to:

Columbia Basin College  
Admissions  
Mail Stop: MS-H4  
2600 North 20<sup>th</sup> Ave.  
Pasco, WA 99301

Columbia Basin College complies with the spirit and letter of state and federal laws, regulations and executive orders pertaining to civil rights, equal opportunity and affirmative action. CBC does not discriminate on the basis of sex, race, color, national origin, religion, age, marital status, physical, mental or sensory disability, sexual orientation or Vietnam veteran status in its educational programs or employment. Questions may be referred to Camilla Glatt, Vice President for Human Resources & Legal Affairs, (509) 542-5548.



Individuals with disabilities are encouraged to participate in all college sponsored events and programs. If you have a disability and require an accommodation, please contact the CBC Resource Center, (509) 542-4412, or TTY/TDD at 542-0400. This notice is available in alternative media by request.



**Medical Imaging Department  
Diagnostic Ultrasound Technology  
Application Checklist  
Section 1**

**General Application**

1.  Completed College application, including \$28.30 application fee
2.  Completed Application Check List (Section 1 – this page)
3.  Completed Application coversheet for Admission to Diagnostic Ultrasound Technology (Section 2)
4.  Completed Student Course Self Assessment (Section 3)
5.  Completed Two letters of recommendation attached to application
6.  Completed TEAS exam (\$43.50)
7.  Completed Information Session attendance Date attended: \_\_\_\_\_
8.  Completed Submission of Diagnostic Ultrasound Application, including \$29.00 application fee

**Transcripts**

9.  Completed Official high school transcript or GED attached
10.  Completed Official college transcripts attached (for every college attended)
  - Students applying for admission into the Diagnostic Ultrasound Technology program may use courses taken during fall quarter 2009 for the application process. Transcripts from other colleges must be received and **evaluated** by the Columbia Basin College Admissions office no later than October 30, 2009. Transcripts may be submitted with the general CBC application prior to program application. This will expedite the admission evaluation.
  - Students who have taken classes at Columbia Basin College do not need to include a transcript from CBC. The Admissions office will provide a current copy of your transcript to accompany this application.
11.  Yes  No Are you taking any prerequisite courses fall quarter 2009?  
If yes, from what college? \_\_\_\_\_  
What classes? \_\_\_\_\_

**Additional Information**

12.  Attached Health care experience documentation

Applications will be accepted between October 5, 2009 and October 30, 2009. No priority is given for applications based on time and date of submission. Late applications will not be accepted.

Students accepted into the program will be required to participate in a criminal background history review. **Additionally, all accepted students must have all CBC required immunizations and a current American Heart Association CPR card for Health Care Providers with certification for adults, children, and infants** for the duration of enrollment in the Diagnostic Ultrasound Technology program.



**Medical Imaging Department  
Diagnostic Ultrasound Technology  
Application Coversheet  
Section 2**

|                                |                |            |               |        |                  |
|--------------------------------|----------------|------------|---------------|--------|------------------|
| <b>Demographic Information</b> | _____          | _____      | _____         | _____  |                  |
|                                | Last Name      |            | First         | Middle | Previous Name(s) |
|                                | _____          |            | _____         | _____  | _____            |
|                                | Address        |            | City          | State  | Zip              |
|                                | _____          | _____      | _____         | _____  |                  |
| Phone (home)                   | Phone (cell)   | Birth Date | Email Address |        |                  |
| _____                          | _____          | _____      | _____         |        |                  |
| High School Attended           | Date Graduated | Location   |               |        |                  |

|                               |  |       |                             |                     |
|-------------------------------|--|-------|-----------------------------|---------------------|
| <b>Prior Education</b>        | If high school equivalency through GED, state where and when test was taken.                           |       |                             |                     |
|                               | _____  | _____ | _____                       |                     |
|                               | Location   |       | Date                        |                     |
|                               | Have you ever attended any school of Diagnostic Ultrasound Technology? If yes, complete the following: |       |                             |                     |
|                               | <input type="checkbox"/> Yes   |       | <input type="checkbox"/> No |                     |
| _____                         | _____  | _____ | _____                       |                     |
| Name of School                | City   | State | Zip                         | Date From / Date To |
| Reason for Leaving            |  |       |                             |                     |
| _____                         |  |       |                             |                     |
| Programs or Degrees Completed |  |       |                             |                     |

|                             |   |
|-----------------------------|---|
| <b>Financial Assistance</b> | Will financial assistance be necessary in order to complete the program? <input type="checkbox"/> Yes <input type="checkbox"/> No |
|                             | (Note: Consideration for program acceptance is not based on any financial assistance needs.)                                      |

I have read all of the criteria and requirements for the Columbia Basin College Diagnostic Ultrasound Technology program and certify the information contained within this application is accurate and complete to the best of my ability.

\_\_\_\_\_  
Applicant Name (print)

\_\_\_\_\_  
CBC Student ID Number

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

| <b>For Official Use Only</b> |            |                         |                        |
|------------------------------|------------|-------------------------|------------------------|
| _____                        | _____      | _____                   | _____                  |
| Grade Point                  | TEAS Score | Course Completion Score | Admissions Index Score |
| _____                        |            | _____                   |                        |
| Evaluator Signature          |            | Date                    |                        |



**Medical Imaging Department  
Diagnostic Ultrasound Technology  
Student Course Self-Assessment  
Section 3**

Please complete the following self assessment checklist. Columbia Basin College courses are listed, however, if you have taken transfer courses from another college or university; please identify the course name, number, college or university, and grade in the appropriate space provided.

Students who have successfully completed a Bachelor’s degree **and** Anatomy/Physiology I and Anatomy/Physiology II with a grade of 2.0 or better are not required to complete requirements 3-8 on the following list. However, without the completion of pre-requisites 3-8, a student would only be eligible to receive a certificate at the conclusion of the program. Completion of all pre-requisites listed below is required to obtain an Associate of Applied Science degree. The Medical Imaging department recommends students with a Bachelor’s degree complete Medical Terminology and Physics as they are foundational concepts for the program.

|    | Pre-requisite Requirements                           | CBC Course   | Completed  | Course Name/Number        | College/University | Grade              |
|----|--|--|--|---------------------------|--------------------|--------------------|
| 1. | Anatomy/Physiology I* (Lect.)                        | BIOL&241   | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
|    | Anatomy/Physiology I* (Lab)                          | BIOL&241L  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 2. | Anatomy/Physiology II* (Lect.)                       | BIOL&242   | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
|    | Anatomy/Physiology II *(Lab)                         | BIOL&242L  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 3. | Medical Terminology                                  | HIT 147  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 4. | Physics* (Lect.)                                     | PHYS&100   | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
|    | Physics* (Lab)                                       | PHYS&101   | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 5. | Math 106 or above                                    | MATH 106+  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 6. | English Composition                                  | ENGL&101   | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 7. | General Psychology or above                          | PSYC&100+  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
| 8. | Speech<br><i>(please circle course number taken)</i> | CMST 101 <i>or</i><br>CMST 110 <i>or</i><br>CMST&210 <i>or</i><br>CMST&220 <i>or</i><br>CMST 260 | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |
|    |  |  |  | Program or<br>Degree Name | Where<br>Completed | Completion<br>Date |
|    | Bachelor’s Degree                                    |  | <input type="checkbox"/> Yes <input type="checkbox"/> No | _____                     | _____              | _____              |

\* Courses that have a separate lab and lecture course grade will have an average grade calculated for utilization within the Admissions Index Score (Anatomy/Physiology I and II)

I certify the above information is accurate and complete.

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date



## Medical Imaging Department Diagnostic Ultrasound Technology Entrance Requirements Section 4

The Columbia Basin College Diagnostic Ultrasound Technology program utilizes three elements for entrance into the program. Those elements include (A) cumulative grade point average among selected prerequisite courses, (B) TEAS assessment score, and (C) Departmental Course Completion Score. Each of these elements is outlined further below. These three elements will be combined for a total **Diagnostic Ultrasound Technology Admissions Index Score** based on a total point value of 30 points. A bonus point will be given (Item D below) for documented health care experience. Each prerequisite course must be passed with a minimum of a 2.0 for students to be considered for the Diagnostic Ultrasound Technology program. Students must receive at least a 70 on the TEAS exam to be considered for the Diagnostic Ultrasound Technology program.

### **A. Cumulative Grade Point**

The cumulative grade point of the following courses will be calculated for the entrance index score.

1. BIOL&241/241L (Anatomy and Physiology I)
2. BIOL&242/242L (Anatomy and Physiology II)
3. MATH 106 or above
4. ENGL&101 (English Composition)

The cumulative GPA (from a total possible cumulative score of 4.0) will be multiplied by a factor of 2.5 for 10 total possible points.

Letter grades (including those received from transferring colleges or universities) will be assigned the following decimal scores according to our campus policy:

A = 4.0, A- = 3.7, B+ = 3.3, B = 3.0, B- = 2.7, C+ = 2.3, C = 2.0, C- = 1.7, D+ = 1.3, D = 1.0, D- = 0.7

### **B. TEAS Assessment Score**

The Test of Essential Academic Skills (TEAS) score will be utilized to assess math, English, and science comprehension at the time of application. The assessment will be provided through the Columbia Basin College Assessment Center based on student demand and independent scheduling. Results will be forwarded to the Admissions office for placement of score results within respective student files. This test may be taken twice per year of Diagnostic Ultrasound Technology application. The highest score per application period will be used for computation of the Diagnostic Ultrasound Technology Admissions Index Score. The test will be provided at specific times throughout the academic year. Please contact the Assessment Center for test availability dates.

The total TEAS score (from a total possible score of 100) will be divided by a factor of 10 for 10 total possible points.



**C. Departmental Course Completion Score**

The Departmental Course Completion Score is a cumulative score based on the total number of Diagnostic Ultrasound Technology prerequisite courses completed by an individual student. This score is calculated to include courses completed by summer quarter 2009. The courses and their scores are provided below. (Please note: for transfer courses, a transcript evaluation must be completed by the Registrar’s office at Columbia Basin College prior to the calculation of the Departmental Course Completion Score. Transfer courses will not be assigned a point value until the official transcript evaluation has been completed.)

|                      | <b>Course Number</b>   | <b>Subject</b>            | <b>Points</b> |
|----------------------|--|---------------------------|---------------|
| 1.                   | BIOL&241/241L  | Anatomy & Physiology I    | 4             |
| 2.                   | BIOL&242/242L  | Anatomy and Physiology II | 4             |
| 3.                   | ENGL&101   | English Composition       | 3             |
| 4.                   | MATH 106+  | Mathematics               | 3             |
| 5.                   | HIT 147  | Medical Terminology       | 2             |
| 6.                   | PHYS&100/101   | Physics                   | 2             |
| 7.                   | PSYC& 100+   | General Psychology        | 1             |
| 8.                   | CMST 101 <u>or</u><br>CMST 110 <u>or</u><br>CMST&210 <u>or</u><br>CMST&220 <u>or</u><br>CMST 260 | Speech                    | 1             |
| <b>Section Total</b> |  |                           | <b>20</b>     |

The Departmental Course Completion Score (from a total possible score of 20) will be divided by a factor of 2 for 10 total possible points.

The total Diagnostic Ultrasound Technology Admissions Index Score, including the three elements outlined above, will total no more than 30 points. When the student makes application to the department, the Admissions Index Score will be computed and recorded for class cohort comparison. Those students with the top Admissions Index Scores (based on the total number of new admissions allowed in a given year) will be invited to an interview to determine final admission to the Diagnostic Ultrasound Technology program.

**Example Computation**

| Element               | Raw Score | Function | Factor | Total |
|-----------------------|-----------|----------|--------|-------|
| GPA                   | 4.0       | Multiply | 2.5    | 10    |
| TEAS Assessment Score | 100       | Divide   | 10     | 10    |
| Course Score          | 20        | Divide   | 2      | 10    |

*Example Student 1*

| Element                             | Raw  | Factor | Total         |
|-------------------------------------|------|--------|---------------|
| GPA                                 | 3.76 | 2.5    | 9.400         |
| TEAS Assessment Score               | 85   | 10     | 8.500         |
| Course Score                        | 15   | 2      | 7.500         |
| <b>Total Admissions Index Score</b> |      |        | <b>25.400</b> |



*Sample Student 2*

| Element                             | Raw  | Factor | Total         |
|-------------------------------------|------|--------|---------------|
| GPA                                 | 3.99 | 2.5    | 9.975         |
| TEAS Assessment Score               | 75   | 10     | 7.500         |
| Course Score                        | 20   | 2      | 10.00         |
| <b>Total Admissions Index Score</b> |      |        | <b>27.475</b> |

*Example Student 3*

| Element                             | Raw  | Factor | Total         |
|-------------------------------------|------|--------|---------------|
| GPA                                 | 2.79 | 2.5    | 6.975         |
| TEAS Assessment Score               | 95   | 10     | 9.500         |
| Course Score                        | 18   | 2      | 9.000         |
| <b>Total Admissions Index Score</b> |      |        | <b>25.475</b> |

The Diagnostic Ultrasound Technology Admissions Index Score helps to provide equity among student applicants. Overall, the Diagnostic Ultrasound Technology Admissions Index Score computation provides a dynamic index of comparison for students applying to the Columbia Basin College Diagnostic Ultrasound Technology program.

**D. Bonus Point**

Students who provide documentation of previous patient care experience at a licensed health care facility and/or have completed a healthcare degree or certificate will receive one additional point. This point is added to the student's Admissions Index Score.

Examples of previous health care experience include:

- Health care degree or certificate
  - Attach a copy of degree or certificate for verification
- Employed or volunteered as a patient care worker in a licensed health care facility
  - Please provide a letter from health care facility verifying work experience

*Example Computation*

| Element                | Total         |
|------------------------|---------------|
| Admissions Index Score | 25.475        |
| Health Care Experience | 1.000         |
| <b>Final Score</b>     | <b>26.475</b> |