

# Adult Echocardiography Sonography Certificate

PROFESSIONAL TECHNICAL

2012-2013 Certificate Requirements

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
DUtec	105	Pathophysiology I	3		
DUtec	106	Pathophysiology II	3		
DUtec	107	Human Cross-Sectional Anatomy	2		
DUtec	111	Echocardiography I	5		
DUtec	112	Pathophysiology III	3		
DUtec	113	Pathophysiology IV	3		
DUtec	160	Vascular Scanning & Techniques I	3		
DUtec	161	Vascular Scanning & Techniques II	3		
DUtec	162	Vascular Scanning & Techniques III	3		
DUtec	170	Ultrasound Physics & Instrumentation I	3		
DUtec	171	Ultrasound Physics & Instrumentation II	3		
<b>Subtotal</b>			<b>34</b>		

## Support Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
DUtec	121	Echocardiography II	5		
DUtec	131	Echocardiography III	5		
DUtec	141	Echocardiography IV	5		
<b>Subtotal</b>			<b>15</b>		

## Practicum Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
DUtec	210	Clinical Practicum I	12		
DUtec	220	Clinical Practicum II	12		
DUtec	230	Clinical Practicum III	12		
<b>Subtotal</b>			<b>36</b>		

## General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
<b>English (select 5 credits)</b>					
ENGL&	101	English Composition I <i>or</i>	5		
ENGL	103	Writing in the Workplace	5		
<b>Math (select 5 credits)</b>					
MATH	113	Geometry/Trigonometry <i>or</i>	5		
MATH&	146	Introduction to Stats	5		
<b>Psychology <i>or</i> Sociology (select 3-5 credits)</b>					
PSYC	103	Applied Psychology <i>or</i>	3		
PSYC&	100	General Psychology <i>or</i>	5		
SOC&	101	Intro to Sociology	5		
<b>Communication Studies (select 3-5 credits)</b>					
CMST	101	Speech Essentials <i>or</i>	3		
CMST	110	Communication Behavior <i>or</i>	3		
CMST&	210	Interpersonal Communication <i>or</i>	5		
CMST&	220	Public Speaking <i>or</i>	5		
CMST	260	Multicultural Communication	5		
<b>Subtotal</b>			<b>16-20</b>		
<b>Total Credits Required</b>			<b>101-105</b>		