

**Diagnostic Medical Sonography Technology, GENERAL MAJOR**

Datatel Program Code	DMSGN.AAS
COTC Major Number	005040
CIP Code	51.0910

In Autumn 2012, Central Ohio Technical College will convert from the Quarter system (4 quarters per academic year) to the Semester system (2 Semesters and 1 Summer Session per academic year). Students entering COTC in Summer 2011, Autumn 2011, Winter 2012, Spring 2012, or Summer 2012 will begin their program in Quarters.

COTC makes the following three guarantees to all students who will transition from the quarter system into the semester system:

- 1) No loss of academic progress;
- 2) No delay in time to degree completion/graduation; and
- 3) No increase in total tuition and fees expended for the degree system to the program.

If transitioning from the Quarter to the Semester system, please visit the COTC "Think Semesters" web page

<http://www.cotc.edu/ThinkSemesters/Pages/default.aspx>

regularly for updates and for important additional information.

*Students should meet with their Academic Advisor to map out individual paths to their degree.*

**PRE-ADMISSION COURSE REQUIREMENTS FOR DMSGN.AAS program**

The DMS - General Major AAS program is a selection-based program, meaning a student must APPLY to the program and then be SELECTED into the program before being able to meet graduation requirements. The following COTC courses (or their equivalents) must be completed prior to being admitted into the Diagnostic Medical Sonography program. All courses must be completed with a grade of C (2.00) or better.

1. MTH-1205 Introduction to Algebra
2. MTH-1215 College Algebra (5 credit hrs)
3. BIO-1705 Introduction to Biology
4. (CHM-1700 Basic Chemistry and CHM-1710 General Organic Chemistry) or (CHM-1713 Chemistry Fundamentals)
5. COM-1535 Composition I

*A grade of C (2.00) or better is required for all Sonography, Human Anatomy and Physiology, and Medical Terminology courses in order to continue in and graduate from the Diagnostic Medical Sonography Technology program.*

Policies of the Diagnostic Medical Sonography Technology program which are unique in regard to admission, re-admission, grading and promotion are available in the Student Handbook, Division of HealthTechnologies.

- KEY:**
- \* Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page
  - \*\* Indicates there will be no equivalent for this course in the Semester system; please see Academic Advisor
  - NT - Indicates this course fulfils a Non-Technical Course Requirement in this Plan of Study
  - NT Elec - Indicates Elective Choice in the Non-Technical course requirement category
  - T - Indicates this course fulfils a Technical Course Requirement in this Plan of Study
  - T Elec - Indicates Elective Choice in the Technical course requirement category

**YEAR 1 2011-2012 (Quarter System)**

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Quarter(s) Course Offered	Equivalent Semester Course	Equivalent Semester Cr Hrs
<b>QUARTER 1</b>						
BIO-1760	Medical Terminology	2.00	NT	SM,AU,WI,SP	BIO-110	2.00
BIO-1772	Human Anatomy & Physiology I	6.00	NT	SM,AU,WI,SP	BIO-130	4.00
COM-1536	Composition II	4.00	NT	SM,AU,WI,SP	ENGL-111	3.00
DMS-4514	Principles of DMS	1.00	T	AU	Part of DMS-100	2.00
	Non-Technical Elective	3.00	NT Elec		See Choices Below	
	<b>Total Credit Hours</b>	<b>16.00</b>				
<b>QUARTER 2</b>						
BHS-1376	General Psychology	5.00	NT	SM,AU,WI,SP	PSYCH-100	3.00
BIO-1773	Human Anatomy & Physiology II	6.00	NT	SM,AU,WI,SP	BIO-131	4.00
DMS-4050	Patient Care in Sonography	2.00	T	WI	Part of DMS-100	2.00
EMS-4052	First Aid	2.00	NT	SM,AU,WI,SP	EMS-105	2.00
	<b>Total Credit Hours</b>	<b>15.00</b>				

*The College Reserves the Right to Change Curricula Without Notice.*

*Year 1 Quarters 3 and 4, Choices for Non-Technical Electives, and Year 2 of this Plan of Study follow on the next page.*

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QUARTER 3						
BHS-1379	Cultural Diversity	3.00	NT	SM,AU,WI,SP	SOC-110	3.00
COM-1504	Public Speaking	3.00	NT	SM,AU,WI,SP	SPCH-205	3.00
DMS-4511	Cross Sectional Anatomy	3.00	NT	SP	DMS-110	2.00
DMS-4507	Gynecological Sonography	3.00	T	SP	Part of DMS-210	3.00
DMS-4541	Principles of Clinical Sonography	2.00	T	SP	Part of DMD-185	4.00
<b>Total Credit Hours</b>		14.00				

QUARTER 4						
CMP-1601	Principles of Computing	1.00	NT	SM,AU,WI,SP	None**	-----
DMS-4529	Obstetrical Sonography I	3.00	T	SM	Part of DMS-210 & Part of DMS-211	3.00 & 4.00
DMS-4545	Sonography Scanning Lab	2.00	T	SM	DMS-180	2.00
PHY-1721	General Physics	5.00	NT	SM,AU,WI,SP	PHYS-100	4.00
RAD-4046	Current Issues in Allied Health	2.00	NT	SM	DMS-115	1.00
<b>Total Credit Hours</b>		13.00				

Non-Technical Electives						
Total of 3 QUARTER Credit Hours Chosen from Courses Listed Below Required to Complete this Degree						
BHS-1006	Critical Thinking	3.00	NT Elec	SM,AU,WI,SP	PHIL-100	3.00
BHS-1340	Ethics	3.00	NT Elec	SM,AU,WI,SP	PHIL-200	3.00
BHS-1378	Abnormal Psychology	3.00	NT Elec	SM,AU,WI,SP	PSYCH-200	3.00
BHS-1382	Sociology	3.00	NT Elec	SM,AU,WI,SP	SOC-100	3.00
BHS-1383	Psychology of Adjustment	5.00	NT Elec	SM,AU,WI,SP	NONE**	-----
BHS-1385	Organizational Psychology	3.00	NT Elec	SM,AU,WI,SP	PSYCH-230	3.00
BIO-1750	Elementary Microbiology	2.00	NT Elec	SM,AU,WI,SP	NONE**	-----
BIO-1755	Microbiology	5.00	NT Elec	SM,AU,WI,SP	BIO-200	4.00
BIO-1764	Nutrition	3.00	NT Elec	SM,AU,WI,SP	BIO-115	3.00
BMT-2021	Principles of Management	4.00	NT Elec	SM,AU,WI,SP	Part of BUS-110	3.00
BMT-2022	Principles of Marketing	4.00	NT Elec	SM,AU,WI,SP	BUS-115	3.00
BMT-2850	Employee Relations	4.00	NT Elec	AU	BUS-235	2.00
COM-1523	Small Group Communication	3.00	NT Elec	SM,AU,WI,SP	SPCH-210	3.00
COM-1525	Technical Writing	3.00	NT Elec	SM,AU,WI,SP	NONE**	-----
COM-1531	National Issues	3.00	NT Elec	SM,AU,WI,SP	NONE**	-----
COM-1534	Effective Communications	4.00	NT Elec	SM,AU,WI,SP	SPCH-100	3.00
HUM-5300	Principles of Chemical Dependency	3.00	NT Elec	WI	HUMSVC-110	3.00

YEAR 2 2012-2013 (Semester System)						
Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Semester(s) Course Offered	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1						
DMS-200	Sonographic Physics and Instrumentation I	3.00	T	AU	DMS-4515	4.00
DMS-211	Obstetrical & Gynecological Sonography II	4.00	T	AU	DMS-4529 & DMS-4530	3.00 & 4.00
DMS-220	Abdominal Sonography I	3.00	T	AU	DMS-4536 & DMS-4537	3.00 & 3.00
DMS-285	Clinical Sonography I	6.00	T	AU	DMS-4543 & DMS-4544	4.00 & 4.00
<b>Total Credit Hours</b>		16.00				
SEMESTER 2						
DMS-201	Sonographic Physics and Instrumentation II	3.00	T	SP	DMS-4519 & DMS-4517	3.00 & 2.00
DMS-221	Abdominal Sonography II	3.00	T	SP	DMS-4537 & DMS-4538	3.00 & 3.00
DMS-222	Breast Sonography	1.00	T	SP	DMS-4581	2.00
DMS-286	Clinical Sonography II	6.00	T	SP	DMS-4546 & DMS-4549	4.00 & 6.00
<b>Total Credit Hours</b>		13.00				