

General Sonography – Associate in Applied Science (GSON.AAS)

A sonographer is the allied health professional who, for diagnostic purposes, uses high frequency sound waves to create cross sectional images of the patient’s anatomy. Sonographers work in professional harmony with both the radiologist and the clinical physician. Sonographers are required to demonstrate a great deal of independent judgment. The general sonography program accredited by the Commission for Accreditation of Allied Health Educational Programs (CAAHEP) in the United States. It is a program leading to an Associate in Applied Science degree. The curriculum consists of integrated educational and clinical course work with a minimum of 1,350 supervised clinical hours in an approved clinical education affiliate. The program prepares the students for employment in two specialties (abdomen/superficial structures and obstetrics/gynecology) within the field of general sonography; positions are located within hospitals, medical clinics, and other diagnostic imaging institutions. Upon successful completion, students are eligible to apply for the American Registry for Diagnostic Medical Sonography (ARDMS) exams in Physics and Instrumentation, Abdomen and Obstetrics/Gynecology

There are special admissions requirements to the sonography programs, and it is the student’s responsibility to understand the requirements and adhere to them. Entry into a program is competitive and based on a “point system.” Point values are based on grades earned in prerequisite coursework and the interview process.

Applications are processed according to the following:

- Applications must be received by the Allied Health Office by January 31.
- Diagnostic Medical Sonography Admission Committee conducts consultations.
- Students are notified by mail of admission status.
- Accepted students begin summer semester.
- General education prerequisites and related requirement courses must be completed before admission to the program.

Minimum credits: 70
Minimum cumulative GPA: 2.0
Minimum grade in BIO 132 or BIO 253/254 2.5,
Minimum grade in HOC 130 and MOA 120: 3.0
Minimum grade in all courses: 2.0
Minimum Jackson College credits: 15

GENERAL EDUCATION REQUIREMENTS (21 CREDITS)

GEO 1: Write clearly, concisely and intelligibly (3 credits)

Choose one of the following:

ENG 131 Writing Experience I
ENG 132 Writing Experience II

GEO 2: Recognize the importance of effective communication in a dynamic and changing society (3 credits)

Choose one of the following:

COM 231 Communication Fundamentals
COM 240 Interpersonal Communication
COM 250 Intercultural Communication
HIS 211 Minority Groups in America
HUM 131 Cultural Connections
PHL 243 Great World Religions
PLS 262 International Relations
PSY 152 Social Psychology (or SOC 152 Social Psychology)
SOC 246 Marriage & Family

GEO 3: Demonstrate computational skills and mathematical reasoning (4 credits)

Take the following:

MAT 130 Quantitative Reasoning (or higher)

GEO 4: Demonstrate scientific reasoning (4-8 credits)

Choose one of the following:

*If not selecting BIO 132, take both BIO 253 and BIO 254 to satisfy requirements.

BIO 132 Human Biology

BIO 253 Human Anatomy & Physiology I AND
BIO 254 Human Anatomy & Physiology II

GEO 5: Understand human behavior and social systems, and the principles which govern them (4 credits)

Take the following:

PSY 130 General Psychology

**GEO 6: Identify artistic, linguistic, and theoretical perspectives across the human experience
(3 credits)**

Choose one of the following:

ART	111	Art History: Prehistoric to 1400
ART	112	Art History: Renaissance to Present
ENG	210	Film in Literature
ENG	246	Short Story & Novel
ENG	247	Poetry & Drama
ENG	249	African-American Literature
ENG	252	Shakespeare
ENG	254	Children's Literature
ENG	255	American Literature – 19th Century
ENG	256	American Literature – 20th Century
ENG	261	Creative Writing
HUM	131	Cultural Connections
MUS	130	Music of Non-Western Cultures
MUS	131	Understanding Music
MUS	132	History of American Popular Music
MUS	151	Music Theory I
MUS	152	Music Theory II
PHL	231	Introduction to Philosophy
PHL	243	World Religions
SPN	131	Elementary Spanish I
SPN	132	Elementary Spanish II
SPN	231	Intermediate Spanish I
SPN	232	Intermediate Spanish II
THR	116	Introduction to Theatre
WRL	102	Portuguese Conversation I
WRL	103	Portuguese Conversation II
WRL	104	Mandarin I
WRL	105	Mandarin II

GENERAL SONOGRAPHY RELATED REQUIREMENTS (14 CREDITS)

Take the following:

DMS	100	Introduction to Diagnostic Imaging
DMS	104	Introduction to Sonographic Instrumentation
HOC	130	Introduction to Health Occupations
MOA	120	Medical Terminology
PHY	145	Introduction to Basic Physics

GENERAL SONOGRAPHY CORE REQUIREMENTS (36 CREDITS)

Take the following:

DMS	101	Sonographic Orientation
DMS	105	Sonographic Techniques
DMS	125	Clinical Experience I
DMS	197	Introduction to Clinical

DMS	200	Abdomen and Small Parts Sonography
DMS	201	Obstetric and Gynecologic Sonography
DMS	206	Sonographic Instrumentation
DMS	212	Comprehensive Sonography
DMS	216	Clinical Experience II
DMS	217	Clinical Experience III