

**Department of Biological & Environmental Sciences  
Troy University  
Troy, AL**

**Medical Technology Concentration (3+1)  
Biology Program 131 Semester Hours (SH)  
Internship (33 SH)**

**Students Entering Fall 2012**

Name: \_\_\_\_\_  
(type or print)

Date: \_\_\_\_\_  
(month/day/year)

Transfer courses accepted:  
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\_\_\_\_\_  
\_\_\_\_\_

A minimum of 50 % of all degree program hours must be earned with senior college hours.

**GENERAL STUDIES REQUIREMENTS: 63 SH**

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	R	G	E
<b>Area I (6 SH)</b>			
ENG 1101 Composition & Modern Eng. I	3		
ENG 1102 Composition & Modern Eng. II	3		

**Area II (13 SH)**

*Must complete a six hour sequence in World/British/Amer. Lit. or U.S./Western Civ./World History (Area II and/or IV). A total of 6 hours from Area II and/or Area IV must be International in scope. International classes are indicated by ( \* )*

COM 2241 Fundamentals of Speech	3		
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*Complete (4) Semester Hours*

ART 1133 Visual Arts	2		
DRA 2200 Intro. to Drama	2		
MUS 1131 Music Appreciation	2		

*Complete (3) Semester Hours*

ENG 2205* World Literature before 1660	3		
ENG 2206* World Literature after 1660	3		
ENG 2211 American Literature before 1875	3		
ENG 2212 American Literature after 1875	3		
ENG 2244 British Literature before 1785	3		
ENG 2245 British Literature after 1785	3		

*Complete (3) Semester Hours*

CLA 2260* Classical Mythology	3		
ENG 2205* World Literature before 1660	3		
ENG 2206* World Literature after 1660	3		

ENG 2211 American Literature before 1875	3		
ENG 2212 American Literature after 1875	3		
ENG 2244 British Literature before 1785	3		
ENG 2245 British Literature after 1785	3		
FRN 1101* Introductory French I	3		
GER 1121* Introductory German I	3		
GRK 1111* Introductory Greek I	3		
Crossroads: Soph. Inter.			
IDS 2200 Seminar in Creative Thinking	3		
LAT 1131* Introductory Latin I	3		
PHI 2203 Intro. to Philosophy	3		
PHI 2204 Ethics and Modern World	3		
REL 2280* World Religions	3		
SPN 1141* Introductory Spanish I	3		

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	R	G	E
<b>Area III (12 SH)</b>			
BIO 1100 Prin. of Biology	3		
BIO L100 Prin. of Biology Lab	1		
*CHM 1142 General Chemistry I	3		
CHM L142 General Chemistry I Lab	1		
*MTH 1125 Calculus I	4		

**\*Placement Test Required**

**Area IV (12 SH)**

*Complete (3) Semester Hours*

HIS 1101 Western Civilization I	3		
HIS 1102 Western Civilization II	3		
HIS 1111 U.S. to 1877	3		
HIS 1112 U.S. since 1877	3		
HIS 1122* World History to 1500	3		
HIS 1123* World History from 1500	3		

*Complete (9) Semester Hours*

ANT 2200* Anthropology	3		
ECO 2251* Prin. of Macroeconomics	3		
ECO 2252* Prin. of Microeconomics	3		
GEO 2210* World Regional Geography	3		
HIS 1101 Western Civilization I	3		
HIS 1102 Western Civilization II	3		
HIS 1111 U.S. to 1877	3		
HIS 1112 U.S. since 1877	3		
HIS 1122* World History to 1500	3		
HIS 1123* World History from 1500	3		

Crossroads: Soph. Inter.			
IDS 2200 Sem. in Creative Thinking	3		
POL 2260* World Politics	3		
POL 2241 American National Govt	3		
PSY 2200 General Psychology	3		
PSY 2210 Developmental Psychology	3		
SOC 2275 Intro. to Sociology	3		

**BIOLOGY PROGRAM *Medical Technology Concentration* (3+1)**

To graduate a C average is required in each major

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<b>Area V (20SH)</b>		R	G	E
IS 2241	Computer Concepts & Appl.	3		
TROY 1101	University Orientation	1		
BIO 1101	Organismal Biology	3		
BIO L101	Organismal Biology Lab	1		
CHM 1143	General Chemistry II	3		
CHM L143	General Chemistry II Lab	1		
BIO 3382	Immunology	3		
BIO L382	Immunology Lab	1		
BIO 3386	Hematology	3		
BIO L386	Hematology Lab	1		

**Medical Technology Program***(43 SH On-Campus & 33 SH Off-Campus)**Required Core (23 SH)*

BIO 2220	Prin. of Cell Biology	3		
BIO L220	Prin. of Cell Biology Lab	1		
BIO 2229	General Ecology	3		
BIO L229	General Ecology Lab	1		
BIO 3320	Genetics	3		
BIO L320	Genetics Lab	1		
CHM 3342	Organic Chemistry I	3		
CHM L342	Organic Chemistry I Lab	1		
CHM 3343	Organic Chemistry II	3		
CHM L343	Organic Chemistry II Lab	1		
MTH 2201	Applied Statistics	3		

*Required for Concentration: (16 SH)**Lectures and corresponding labs must be taken together. Must complete all for 3+1 (12 SH)*

BIO 3347	Human Anatomy & Phy. I	3		
BIO L347	Human Anatomy & Phy. I Lab	1		
BIO 3348	Human Anatomy & Phy II	3		
BIO L348	Human Anatomy & Phy II Lab	1		
BIO 3372	Microbiology	3		
BIO L372	Microbiology Lab	1		
BIO 3382	Immunology	3		
BIO L382	Immunology Lab	1		

*Complete one course with its corresponding lab*

BIO 3386	Hematology	3		
BIO L386	Hematology Lab	1		
BIO 4471	Parasitology	3		
BIO L471	Parasitology Lab	1		

**Students must complete 29 hours on main campus prior to application for internship.****Medical Technology hospital internship courses (33 SH)**

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		R	G	E
MT 4400	Clinical Urinalysis	1		
MT 4401	Urinalysis Lab	1		
MT 4402	Clinical Microbiology	4		
MT 4403	Clinical Microbiology Lab	2		
MT 4404	Clinical Parasitology Lab	1		
MT 4405	Clinical Parasitology Lab	1		
MT 4406	Clinical Hematology	4		
MT 4407	Clinical Hematology Lab	2		
MT 4408	Immunoematology	3		
MT 4409	Immunoematology Lab	1		
MT 4410	Clinical Serology	2		
MT 4411	Clinical Serology Lab	1		
MT 4412	Clinical Chemistry	6		
MT 4413	Clinical Chemistry Lab	4		

**Total Hours Completed including** \_\_\_\_\_**Hours to be completed** \_\_\_\_\_**General Studies Courses** \_\_\_\_\_**Program I** \_\_\_\_\_**Free Electives** \_\_\_\_\_**Senior Level Hours Required** \_\_\_\_\_**Senior Level Hours Earned** \_\_\_\_\_**Senior Level Remaining** \_\_\_\_\_**SPECIAL NOTE:**

Every reasonable effort to attain accuracy has been made: no responsibility is assumed for editorial, clerical, or printing errors or errors occasioned by honest mistake. Should you discover an error, it is your responsibility to report it immediately to the Departmental Office.