GSC Academic Catalog Addendum 2023-2024

07/01/2023

Addendums

These addendums to Good Samaritan College of Nursing and Health Science for the 2021-2024 catalog are effective this date. The school website has been updated with this information and all students have access to this information.

Contents

Tuition and Aid

Our financial aid program ensures that GSC is affordable.

- We give more than $2 million in financial aid every year
- 89% percent of GSC students receive some form of financial aid

Approximate Tuition and Fees per Semester 2023-2024		
Tuition per credit hour	Payable for AASN, AART, AAST, and General Education courses	$559
Tuition per credit hour	Payable for BSN Degree and Any Certificate program	$280
AASN Nursing Package Test Fee	Payable each semester when taking clinical nursing classes and is nonrefundable.	$757
LPN Nursing Package Test Fee	Payable each semester when taking clinical nursing classes and is nonrefundable.	$659
Text Books	Range of Costs each semester	$450-$1200

Textbooks are purchased by students from available companies in the area and online resources. There are discounts provided to our students from our textbook vendors in some courses. This discount will be provided upon enrollment.

- 2023-2024 Tuition-and-Fee-Schedule- effective July 1, 2023
  https://www.gscollege.edu/wp-content/uploads/2022/03/Tuition-and-Fees-Schedule-2022-2023.pdf

College Payment Plan

The college payment plan enrollment fee is $50. This fee is added to your account upon enrollment. If applicable, at the time of enrollment, any anticipated financial aid is deducted from the total balance due on your bill. Your payments are then divided into four equal monthly installments. You are required set up the plan by **August 20, 2021** to avoid any penalties. The due dates are **September 1**, **October 1**, **November 1** with the final payment due **December 1**. There is a late fee of $50 assessed to your account if the payments are not made on time. Failure to stay current on the plan will cause delays in future class registration.

Example: Your tuition bill is $5,400. Your first payment of $1,350 + $50 payment plan fee is due **September 1**. The remaining payments are $1,350 due **October 1**, $1,350 due **November 1,** and the final payment of $1,350 due on **December 1**.

If you choose not to enroll in the payment plan, you must have your bill paid in full by **September 23**. Failure to pay results in your classes being canceled due to non-payment of tuition and fees. For more information regarding the payment plan, or payments in general, please contact the Bursar's office at **Bursar@email.gscollege.edu** or call **513-862-3573.**

TUITION AND FEE SCHEDULE: 2023-2024

Application Fee	Submitted with application and is nonrefundable	$50.00
Confirmation Fee	Payable within 3 weeks after date of acceptance Nonrefundable if application cancels his/her application or fails to enter the college. Includes all pre-enrollment administrative services and requirements.	$200.00
Administrative Fee	Payable each semester and is nonrefundable. Applicable to all programs	$110.00
Tuition – AASN, AART, AAST, & ASHS	Payable per credit hour for all courses	$559.00
Tuition – General Education	Payable per credit hour	$559.00
Tuition – MA	Payable per credit hour	$280.00
Tuition – BSN	Payable per credit hour	$280.00
Tuition – Pharmacy Tech	Payable per credit hour	$280.00
Lab fee	Payable for each science or technical course with a lab	$90.00
Library Fee	Payment each semester and is nonrefundable.	$45.00
Technology Fee	Payable each semester and is nonrefundable. Applicable to all programs.	$170.00
Activity Fee	Payable each semester and is nonrefundable	$55.00
Transcript Fee	Same Day Service on campus for transcripts	$11.00
Graduation Fee	Payable the semester of graduation. Applicable to all programs.	$230.00
Late Registration Fee	Payable when registration is late	$50.00
Late Payment Fee	Payable when a required payment is late	$50.00
Funds Fee Insufficient	Payable when check returned unpaid	$50.00
Late Payment Plan Fee	Payable when payment plan is late	$40.00
Enrollment Testing Fee	Payable when enrollment in First Year Experience Course and is non-refundable	Waived
AASN Nursing Package Test Fee	Payable with each nursing course and is non-refundable	$757.00
LPN Nursing Package Test Fee	Payable with each nursing course and is non-refundable	$659.00

Uniforms & Textbooks are purchased by students from the Joseph Beth Bookstore online or in the Good Samaritan Hospital gift shop.

Adjustment of Fees are made according to the schedule in the catalog and based on the date of the exit interview with the Registrar or Assistant Registrar of the College. A student who withdraws prior to the beginning of a semester will receive a 100% refund of tuition and refundable fees identified in this schedule. **Tuition and fees are subject to increase every academic year.**

Additional Information – Students will need to have an adequate electronic device (Laptop or iPad) to participate in academic program testing.

SUMMER 2023 ACADEMIC CALENDAR

	1st 7 Week Session – May 8, 2023 – June 23, 2023	**2nd 7 Week Session – July 5, 2023 – August 18, 2023**	**15 Week Session – May 8, 2023 – August 18, 2023**
Registration Period for Summer Ends	Friday, April 28, 2023	Friday, April 28, 2023	Friday, April 28, 2023
Tuition and Fees Due for Summer 2023	Monday, May 1, 2023	Monday, May 1, 2023	Monday, May 1, 2023
New Student Orientation	Tuesday, May 2, 2023		Tuesday, May 2, 2023
First Day of Classes	Monday, May 8, 2023	Wednesday, July 5, 2023	Monday, May 8, 2023
Independence Day Holiday (No Classes/ College Closed)	Tuesday, July 4, 2023	Tuesday, July 4, 2023	Tuesday, July 4, 2023
Summer Break (No Classes/College Closed)		Monday, July 3, 2023 – Tuesday, July 4, 2023	Monday, July 3, 2023 – Tuesday, July 4, 2023
Last Day to Add a Class with a Late Registration Fee	Friday, May 12, 2023	Tuesday, July 11, 2023	Friday, May 12, 2023
Last Day for 100% Refund *(5th class day)*	Friday, May 12, 2023	Tuesday, July 11, 2023	Friday, May 12, 2023
Last Day to Drop a Class with No Grade *(5th class day)*	Friday, May 12, 2023	Tuesday, July 11, 2023	Friday, May 12, 2023
Attendance Reporting *(10th class day)* by Faculty due by Noon	Friday, May 19, 2023	Tuesday, July 18, 2023	Friday, May 19, 2023
Enrollment Census Date (Official Statistics Date)	Monday, May 22, 2023	Wednesday, July 19, 2023	Monday, May 22, 2023
Last Day for 50% Refund	Friday, May 19, 2023 *(10th class day)*	Tuesday, July 18, 2023 *(10th class day)*	Friday, June 2, 2023 *(end of 4th week)*
0% Refund Effective	Monday, May 22, 2023	Wednesday, July 19, 2023	Monday, June 5, 2023
Memorial Day Holiday (No Classes/College Closed)	Monday, May 29, 2023		Monday, May 29, 2023
Midterm Week	Monday, May 29, 2023 – Friday, June 2, 2023 *(4th week)*	Monday, July 24, 2023 – Friday, July 28, 2023 *(4th week)*	Monday, June 26, 2023 – Friday, June 30, 2023 *(8th week)*
Midterm Grade Reporting by Faculty due by Noon	Monday, June 5, 2023	Monday, July 31, 2023	Monday, July 3, 2023
Last Day to Withdraw with a Grade of "W"	Friday, June 9, 2023 *(end of 5th week)*	Friday, August 4, 2023 *(end of 5th week)*	Friday, July 14, 2023 *(end of 10th week)*

FALL 2023 ACADEMIC CALENDAR

	1st 7 Week Session – September 4, 2023 – October 20, 2023	**2nd 7 Week Session – October 30, 2023 – December 15, 2023**	**15 Week Session – September 4, 2023 – December 15, 2023**
Registration Period for Fall Ends	Friday, August 25, 2023	Friday, October 20, 2023	Friday, August 25, 2023
Tuition and Fees Due for Fall 2023	Tuesday, August 29, 2023		Tuesday, August 29, 2023
New Student Orientation	Tuesday, August 29, 2023		Tuesday, August 29, 2023
First Day of Classes	Tuesday, September 5, 2023	Monday, October 30, 2023	Tuesday, September 5, 2023
Last Day to Add a Class with a Late Registration Fee	Friday, September 8, 2023	Friday, November 3, 2023	Friday, September 8, 2023
Last Day for 100% Refund *(5th class day)*	Monday, September 11, 2023	Friday, November 3, 2023	Monday, September 11, 2023
Last Day to Drop a Class with No Grade *(5th class day)*	Monday, September 11, 2023	Friday, November 3, 2023	Monday, September 11, 2023
Labor Day Holiday (No Classes/College Closed)	Monday, September 4, 2023		Monday, September 4, 2023
Attendance Reporting *(10th class day)* by Faculty due by Noon	Monday, September 18, 2023	Friday, November 10, 2023	Monday, September 18, 2023
Enrollment Census Date (Official Statistics Date)	Tuesday, September 19, 2023	Monday, November 13, 2023	Tuesday, September 19, 2023
Last Day for 50% Refund	Monday, September 18, 2023 *(10th class day)*	Friday, November 10, 2023 *(10th class day)*	Monday, October 2, 2023 *(end of 4th week)*
0% Refund Effective	Tuesday, September 19, 2023	Monday, November 13, 2023	Tuesday, October 3, 2023

SPRING 2024 ACADEMIC CALENDAR

	1st 7 Week Session – January 8, 2024 – February 23, 2024	**2nd 7 Week Session – March 4, 2024 – April 19, 2024**	**15 Week Session – January 8, 2024 – April 19, 2024**
Registration Period for Spring Ends	Friday, December 29, 2023	Friday, February 23, 2024	Friday, December 30, 2023
New Year's Holiday (College Closed)	Monday, January 1, 2024		Monday, January 1, 2024
Tuition and Fees Due for Spring 2024	Tuesday, January 2, 2024		Tuesday, January 2, 2024
New Student Orientation	Tuesday, January 2, 2024		Tuesday, January 2, 2024
First Day of Classes	Monday, January 8, 2024	Monday, March 4, 2024	Monday, January 8, 2024
Attendance Reporting (10th class day) by Faculty due by Noon	Friday, January 19, 2024	Friday, March 15, 2024	Friday, January 19, 2024
Last Day to Add a Class with a Late Registration Fee	Friday, January 12, 2024	Friday, March 8, 2024	Friday, January 12, 2024
Last Day for 100% Refund	Friday, January 12, 2024	Friday, March 8, 2024	Friday, January 12, 2024
Last Day to Drop a Class with No Grade	Friday, January 12, 2024	Friday, March 8, 2024	Friday, January 12, 2024
Martin Luther King Jr. Holiday (No Classes/College Closed)	Monday, January 15, 2024		Monday, January 15, 2024
Registration for Summer 2024 Begins	Monday, March 18, 2024	Monday, March 18, 2024	Monday, March 18, 2024
Enrollment Census Date (Official Statistics Date)	Monday, January 22, 2024	Monday, March 18, 2024	Monday, January 22, 2024
Last Day for 50% Refund	Friday, January 19, 2024	Friday, March 15, 2024	Friday, February 2, 2024
0% Refund Effective	Saturday, January 20, 2024	Saturday, March 16, 2024	Saturday, February 3, 2024
Midterm Week	Monday, January 29, 2024 – Friday, February 2, 2024	Monday, March 25, 2024 – Friday, March 29, 2024	Monday, February 26, 2024 – Friday, March 1, 2024
Registration for Fall 2024 Begins		Monday, April 1, 2024	Monday, April 1, 2024
Midterm Grade Reporting by Faculty due by Noon	Monday, February 5, 2024	Monday, April 1, 2024	Monday, March 4, 2024
Last Day to Withdraw with a Grade of "W"	Friday, February 9, 2024	Friday, April 5, 2024	Friday, March 15, 2024

SUMMER 2024 ACADEMIC CALENDAR

	1st 7 Week Session – May 6, 2024 – June 21, 2024	**2nd 7 Week Session – July 1, 2024 – August 16, 2024**	**15 Week Session – May 6, 2024 – August 16, 2024**
Registration Period for Summer Ends	Friday, April 28, 2024	Friday, April 28, 2024	Friday, April 28, 2024
Tuition and Fees Due for Summer 2024	Monday, April 29, 2024	Monday, April 29, 2024	Monday, April 29, 2024
New Student Orientation	Tuesday, April 30, 2024		Tuesday, April 30, 2024
First Day of Classes	Monday, May 6, 2024	Wednesday, July 1, 2024	Monday, May 6, 2024
Independence Day Holiday (No Classes/ College Closed)		Tuesday, July 4, 2024	Tuesday, July 4, 2024
Summer Break (No Classes/College Closed)		Wednesday, July 3, 2024 – Thursday, July 4, 2024	Wednesday, July 3, 2024 – Thursday, July 4, 2024
Last Day to Add a Class with a Late Registration Fee	Friday, May 10, 2024	Tuesday, July 9, 2024	Friday, May 10, 2024
Last Day for 100% Refund *(5th class day)*	Friday, May 10, 2024	Tuesday, July 9, 2024	Friday, May 10, 2024
Last Day to Drop a Class with No Grade *(5th class day)*	Friday, May 10, 2024	Tuesday, July 9, 2024	Friday, May 10, 2024
Attendance Reporting *(10th class day)* by Faculty due by Noon	Friday, May 19, 2024	Tuesday, July 18, 2024	Friday, May 19, 2024
Enrollment Census Date (Official Statistics Date)	Monday, May 22, 2024	Wednesday, July 12, 2024	Monday, May 22, 2024
Last Day for 50% Refund	Friday, May 17, 2024 *(10th class day)*	Tuesday, July 16, 2024 *(10th class day)*	Friday, May 31, 2024 *(4th Week of Class)*
0% Refund Effective	Saturday, May 18, 2024	Wednesday, July 17, 2024	Saturday, June 1, 2024
Memorial Day Holiday (No Classes/College Closed)	Monday, May 27, 2024		Monday, May 27, 2024
Midterm Week	Tuesday, May 28, 2024 – Friday, May 31, 2024 *(4th week)*	Monday, July 22, 2024 – Friday, July 26, 2024 *(4th week)*	Monday, June 24, 2024 – Friday, June 28, 2024 *(8th week)*
Midterm Grade Reporting by Faculty due by Noon	Monday, June 3, 2024	Monday, July 29, 2024	Monday, July 1, 2024
Last Day to Withdraw with a Grade of "W"	Friday, June 7, 2024 *(end of 5th week)*	Friday, August 2, 2024 *(end of 5th week)*	Friday, July 12, 2024 *(end of 10th week)*

	1st 7 Week Session – May 8, 2024 – ..June 21, 2024	**2nd 7 Week Session – .July 1, 2024 – August 16, 2024**	**15 Week Session – May 8, 2024 – August 16, 2024**
Last Day to Withdraw with a Grade of "WP" or "WF"	Friday, June 14, 2024 *(end of 6th week)*	Friday, August 9, 2024 *(end of 6th week)*	Friday, August 2, 2024 *(end of 13th week)*
Last Day of Classes	Friday, June 21, 2024	Friday, August 16, 2024	Friday, August 16, 2024
Final Exam Week	Monday, June 17, 2024 - Friday ..June 21, 2024	Monday, August 12, 2024 – Friday, August 16, 2024	Monday, August 12, 2024 – Friday, August 16, 2024
Final Grade Reporting by Faculty for Summer Sessions due by Noon (including "I" grades)	Monday, June 24, 2024	Monday, August 19, 2024	Monday, August 19, 2024
Tuition and Fees Due for Fall 2024	Monday August 19, 2024	Monday August 19, 2024	Monday, August 19, 2024
Students Able to View Grades for Summer Sessions	Wednesday, June 25, 2024	Wednesday, August 21, 2024	Wednesday, August 21, 2024
Commencement	Thursday, August 22, 2024	Thursday, August 22, 22024	Thursday, August 22, 2024
Last Day to Complete Grade Extensions and Turn in "I" Grade Changes by Faculty for Summer Sessions due by Noon	Friday, July 5, 2024 *(10 class days after final grades due)*	Friday, August 30, 2024 *(10 class days after final grades due)*	Friday, August 30, 2024 *(10 class days after final grades due)*

Good Samaritan College of Nursing & Health Science

VBTA Policy

Good Samaritan College of Nursing and Health Science in accordance with the Veterans Benefits and Transition Act of 2018 will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his or her financial obligation to the institution due to the delayed disbursement of a payment by the U.S. Department of Veteran Affairs. This policy is limited to tuition funds paid by the U.S. Department of Veteran Affairs.

GSC Board of Trustees

Board Member	Board Role	Employment
Dr. Judy Kronenberger	Executive Committee	President, GSC
Mark Clement	Executive Committee	CEO/President, TriHealth Good Samaritan Hospital Board Representative
Marla S. Silliman	Executive Committee	Sr. VP of Good Sam Hospital Region, TriHealth
Summi Ahuja	Board Chair, Executive Committee	Independent Design Consultant Social Media
James Joo	Board Member	VP and Senior Portfolio Manager, US Bancorp
Jennifer Skinner	Board Member	Sr. VP/ Chief Nursing Executive, TriHealth
Jacob T. Kennedy	Board Member	VP Financial Consultant Charles Schwab & Co.
Sr. Lynn Heper, S.C.	Board Member	Sisters of Charity
Adrienne Walsh	Academic Committee	CEO/President, Bayley Senior Care
Dr. Richard Dammel, MD	Board Member	Physician, TriHealth (Retired)
Joseph Coz, MSN	Board Member	RN, Cincinnati Children's Hospital
Rakesh Ram	Board Member	Sr. VP of Sales, Coldwell Banker West Shell

Executive Leadership Team

Name/Credential	Position Title
Dr. Judy Kronenberger, Ph.D. RN, CMA (AAMA)	President
Dr. Sherri Joyce, DNP, RN, NE-BC	Academic Dean, Nursing
Dr. Pryze Smith, Ph.D.	Academic Dean, General Education/Allied Health
Dr. Terri G. Pullen, DA	Dean of Institutional Effectiveness
Dr. Arrick Jason Moore, Ph.D.	Dean of Enrollment Management
James Younger, MS	Dean of Financial Services & Development

COLLEGE OFFICE DIRECTORY

Name	Office Phone	Mobile	Room#
Reception Desk	862-2631	NA	8th Floor Lobby
Security	862-2476	NA	Clifton Lobby
TH IT Help Desk	569-5100	NA	
GSC IS Stuart	862-4194		8th Floor
GSC IS Dan	862-3495		8th Floor
GSC Fax	862-3572		8th Floor
Employee Health	862-2857		6th Floor Physicians Health
Library Services	862-2433		3rd Floor
Simulation Center	862-1961		8th Floor
President of the College			
Dr. Judy Kronenberger – President	25010	937-609-2785	872.27
Julie Schuster – Administrative Assistant	23727		872.23
Administration and Staff of the College			
Dr. Sherri Joyce–Dean of Nursing	22747		873.10
Dr. Pryze Smith – Dean of General Education/Allied Health	21723		872.25
Dr. Terri Pullen – Dean of Institutional Effectiveness	27761	770-337-0137	873.7
Dr. Jason Moore – Dean of Enrollment Management	22242		872.9
James Younger – Dean of Financial Services & Development	22746		872.18
Dr. Suzanne Scudder – Program Coordinator Nursing	23745		1040.1
Grace Powell – Marketing Communications Administrator / Alumni	22518		1041.10b
Nursing Faculty			
Kelley Becker – Nursing Instructor	23747	859-663-8186	1041.13
Mae Beth Brunsman – Nurse Educator Retention Specialist	21328	513-680-8813	1040.8
Ashley Cox – Clinical Instructor	22276		1040.10
Maribeth Gieseke – Assistant Professor	23726		1040.12
Barbara Gillman-Lamping – Associate Professor	-	513-256-9964	Online
Shannon Hardy – Clinical Instructor	21863		1040.7
Dr. Nancy Walsh Henson – Professor	22494		1040.4
Dr. Beatty Hodovanic – Professor	-	513-886-0910	Online
Mary Lynne Moorman – Clinical Instructor	21284		1040.4
Susan Oaks – Clinical Instructor	-	513-477-7783	1041.10
Dr. Sherri Joyce – Nursing Instructor	23735		1040.12
Kari Allen – Assistant Professor Simulation Lab	21961		870.10
Sherylon Tarter – Assistant Professor Simulation Lab	21961		870.10
Khristinia Watts – STNA Faculty Program Coordinator	25435		1040.14
Kiki Greiwe – Teaching Assistant	21961		870.10
Dr. Elizabeth Stine – Assistant Professor	21319		1040.02
Samantha Tieman – Teaching Assistant	23195		1040.13
Kathy Nienaber – Nursing Instructor	-		1041.10
Dr. Tracy Phipps – Assistant Professor	23732		1040.14
Laura Kronenberger – Nursing Instructor	23743		1040.10
Lisa Allen – Nursing Instructor/LPN Program Coordinator	23724		1040.7
Mary Schoch – Teaching Assistant	23725		1040.3
Teresa Golsch – Teaching Assistant	29051		1040.3
Nicollet Flood – Teaching Assistant	25434		1040.15
Andrea Ellis – Assistant Professor			1040.15
General Education and Allied Health Faculty			
Tiffani Behymer – Medical Assisting Faculty Program Coordinator	29254	513-301-8703	1041.5
Julie Ledbetter – Faculty Medical Assisting	-	937-308-4943	Online
Dr. Eric Fudge – Assistant Professor	23721		973.19
Sara Henderson – Pharmacy Technician Faculty Program Coordinator	-		Online

Rebecca Napier – Surgical Technology Program Coordinator	21754		973.24
Dr. Karan Singh – Professor	23718	513-341-7672	973.19
Michael Millward – Assistant Professor	29295		1040.11
Kathy Richards – Assistant Professor	23716		1040.6
Melissa Resnick – Assistant Professor / Program Coordinator for ASHS	29296		1040.6
Kimberly Wyatt – Assistant Professor	21736		1040.11
Jeff Stewart – Assistant Professor	-		Online
Beth Strotman – Assistant Professor	-		Online
Ronnie Muvirimi – Assistant Professor	-		Online
Nick McDonald – LMS Administrator / Instructional Designer	23736		1040.9
College Services			
Daniel Cleary – Application Engineer	22519		872.30
Stuart Stanton – Client Technologies Engineer	24194		872.30
Margaret Groeschen – Advising and Retention Specialist	22234		872.18
Sandra Rice – Student Support Administrator	23316		872.18
Enrollment Management/Admissions			
Santos Robles – Admissions Recruiter	22723		867.23
Cleevas Graig – Admissions Recruiter	22743		867.23
Adrienne Larson – Admissions Recruiter	23576		867.24
Suzan Francis – Registrar	2274		867.26
Suzanne Fegelman – Associate Registrar	22493		873.17
Michelle Burns – Receptionist	22641		8th FL Lobby
Financial Services and Financial Aid			
Sherry Boulding – Business Administrator	26342		867.27
Wesley Williams – Accounts Receivable Processor	23573		867.25
Denise Schmid – Financial Aid Administrator	23578		867.28
GSH Library Services			
Riley Sumner – Medical Librarian	21913		GSH Library
Matthew Williams – Library Technical Asst.	21912		GSH Library

Health Science Programs

Health Science, Associate of Science (AS)

Today's healthcare job market is expanding rapidly and there is an immediate need for health science professionals to support the growth. The Associate of Science in Health Science (ASHS) program offers a flexible curriculum focused on the health sciences to prepare a student for continuing postsecondary education in a medical or science program or a career in healthcare. An ASHS graduate could support a health system in areas such as clinical and medical research, medical writing, health education, and specialized customer service.

Program Level Student Learning Outcomes

Graduates of the Associate of Science in Health Science program will be able to do the following:

- Articulate a fundamental understanding of basic sciences and scientific reasoning
- Demonstrate a fundamental knowledge of mathematics
- Communicate effectively verbally and in writing
- Demonstrate the ability to think critically and to be successful in upper division courses.

The ASHS Program serves a variety of purposes:

- Provides comprehensive basic science education, including general education, mathematics and core health science education.
- Prepares student for advancing degrees in the Allied Health Sciences.
- Provides foundational coursework easily transferable to other degrees.
- Offers future employment in the Allied Health industry to apply scientific principles and evidence- based practice to optimize patient or clinical outcomes.

An important aspect of the ASHS program is the flexibility it offers students who have different educational objectives. The wide variety of general education courses available to ASHS students allows them to complete most, if not all general education core requirements before entering any number of professional education programs of a health science nature.

When the student is granted admission into a health science curriculum, he/she is able to seamlessly move general education credit from the ASHS Program into health care curriculums. The same concept applies to ASHS students who have completed course work at other accredited institutions. Those credits are transferred into the ASHS program and count toward fulfillment of ASHS requirements.

Curriculum Plan

The full-time curriculum plan is designed to be completed in four semesters. The curriculum plan is laid out in a slightly different pattern for each admission cycle. If you have transfer credit or attend part-time, your personal curriculum plan will need to be customized for you. Please contact our admissions staff at 513-862-1678 for specific questions.

Degree Requirements

ENG101 English Composition I	3 credit min
ENG or COM -Elective	3 credit min
Science Elective Human Bio with lab or Equivalent	6-8 credits
CAP201 Health Science Capstone OR Internship Practicum (Integrative course)	3 credits
ETH105 Ethics Foundations OR other Humanities disciplines	6 credits
MTH 107 Math for Health Sciences or Equivalent	3 credits
CSI Informatics and Technology in Health or equivalent	3 credits
PSY103 Introduction to Psychology and And other Social Science elective	6 credits
Elective	3 credits

Students will take up to 12 credit hours of electives to meet the requirements of 60 credits.
18-36 Credits from certificate programs count towards the degree.

Suggested Curriculum Plan

BIO 201	Human Anatomy and Physiology	4
BIO 202	Human Anatomy and Physiology II	4
BIO 220	Microbiology for Health Sciences	3
CAP 201	Health Sciences Capstone	3
CHE 111	General, Organic and Biochemistry	4
CHE 120	Chemistry for Health Professionals	4
COM 105	Professional Communication	3
CSI 102	Informatics and Technology in Health Care	3
ENG 101	English Composition I	3

ENG 102	English Composition II	3
ETH 105	Ethics Foundation	3
ETH 212	Health Care Ethics	3
MTH 107	Math for Health Science	3
MTH 204	Basic Statistics	3
PSY 103	An Introduction to Psychology	3
PSY 205	Lifespan Development	3
SCI 100	Introduction to Science	3
SOC 103	An Introduction to Sociology	3
SOC 104	Social Issues in Health Care	3
		Subtotal: 60

Surgical Technology, Associate of Applied Science (AAS)

Surgical technologists are allied health professionals who are integral to medical teams providing surgical care. Working under the supervision of a surgeon to help ensure safe and effective invasive and non-invasive surgical procedures, a surgical technologist must combine knowledge of human anatomy, surgical procedures, surgical tools and technologies with the theory and application of principles of asepsis and sterile techniques. Surgical technologists have primary responsibility for maintaining the sterile field and ensuring that all health care team members observe proper aseptic techniques.

The Associate of Applied Science in Surgical Technology program is designed according to the core curriculum requirement for surgical technology, meaning that students learn the essential concepts in healthcare sciences, including but not limited to, anatomy and physiology, pharmacology and anesthesia, medical terminology, microbiology, and pathophysiology. This program prepares students to sit for the National Board of Surgical Technology and Surgical Assisting (NBSTSA) Certified Surgical Technologist examination. This program prepares competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Surgical technology concepts include preoperative (sterile, non-sterile), intraoperative (sterile), postoperative, perioperative case management, patient care concepts and assistant circulator role. Didactic components address surgical procedures, while clinical encompasses surgical rotation. Students are exposed to procedures for surgery that include, but are not limited to, general surgery, orthopedic, plastic and reconstructive, oral/maxillofacial, and cardiothoracic.

Professionalism in professional practice is emphasized throughout the program through an emphasis on employability skills such as effective communication and teamwork; a knowledge of ethical, moral and legal issues; and documentation and risk management.

Program Level Student Learning Outcomes

The Surgical Technology Associate of Applied Science program prepares graduates to do the following:

- Become competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
- Prepare surgical technology students to sit for the National Board Exam for Surgical Technologists and Surgical Assisting. (cognitive)
- Prepare students with appropriate knowledge in anatomy and physiology, medical terminology, microbiology, pathophysiology and technology sciences, as well as key surgical technology concepts relative to preop; intraoperative, postop; perioperative case management and assistant circulator role. (cognitive)
- Prepare surgical technologists to scrub in the primary role in endoscopy, general, obstetrics and gynecology, otorhinolaryngology, genitourinary, orthopedic, oral and maxillofacial, plastic and reconstructive, ophthalmic, peripheral vascular, cardiovascular, and neurological specialties. (psychomotor)
- Engage students in a clinical experience under the supervision of an experienced Surgical Technologist to document competency in the minimum required cases in the appropriate roles in both general and surgical specialties. (psychomotor)
- Develop effective communication skills including reading, writing, speaking and listening skills as necessary in the surgical setting. (cognitive)
- Develop critical thinking, reasoning, problem solving, anticipation and prioritization skills in the surgical setting, in order to effectively create and organize the sterile field for efficiency, safety and conservation of financial resources. (cognitive)
- Develop a sense of professionalism and ethics in order to work with others in a constructive manner in the medical field. (affective)
- Prepare students to serve diverse patient populations with an ability to meet their individual needs; these populations include those of diverse ethnicity, religion, disability, gender, age, and sexual orientation. (affective)

Program Curriculum

This program consists of 65 credit hours including a minimum of requirement of 120 cases to be completed in the operating room and in the first or second scrub role. The student will attend clinical over three

semesters in SUR courses. Students must be available during the daytime hours to participate in the program since these are the hours when surgeries are scheduled. Upon successful completion of the program, the student is prepared to seek employment. Please note that successful completion of the program does not qualify as certification.
To be eligible to enter the program, the student completes the first two semesters of the pre-requisite general education courses with a C or better while maintaining a 2.0 GPA. Students will make an appointment with the program coordinator to discuss the program and an individualized progression plan. Once these items are completed, the student is eligible to start in the program when as seat is available and with permission from the surgical technology program coordinator.

Daytime didactic, skills lab and clinicals are currently offered during weekdays. The didactic and skills lab courses are taught weekly on campus, and all courses will utilize the learning management system, BrightSpace. The program includes a 120-case minimum completion requirement in an operating room. Specific case requirements are published on the College website.

Degree Requirements

Required Courses

BIO 201	Human Anatomy and Physiology I	4
ALH 110	Medical Terminology	3
MTH 107	Mathematics for Health Science	3
ENG 101	English Composition I	3
BIO 202	Human Anatomy and Physiology I	4
BIO 208	General Pharmacology	3
COM 105	Professional Communication	3
PSY 103	Introduction to Psychology	3
BIO 220	Microbiology for Health Sciences	3
SUR 100	Surgical Technology Concepts and Applications I	6
SUR 200	Surgical Technology Clinical I	7
ETH 212	Health Care Ethics	3
SUR 115	Surgical Technology Concepts and Applications II	6
SUR 201	Surgical Technology Clinical II	7
SUR 210	Surgical Technology Clinical III	7
	Total Credits	**65**

Radiologic Technology, Associate of Science (AS)

The Associate of Science degree in Radiologic Technology prepares graduates for the safe operation of x-ray equipment in diagnostic imaging settings under the supervision of a radiologist. Students in the program study under a registered radiological technologist to develop the skills needed to produce quality images of human tissues, organs, bones and vessels using imaging equipment in an integrated plan of classroom, laboratory and clinical training. A radiologic technologist understands radiation and knows how to produce quality images through accurate positioning, technical and patient care skills. To be an effective radiographer, students must acquire knowledge of radiologic technology theory and develop skills specific to the technologist's scope of practice.

Radiologic technologists perform diagnostic imaging examinations or administer radiation therapy treatments. They are educated in anatomy, patient positioning, examination techniques, equipment protocol, radiation safety and basic patient care. Radiologic technologists work with radiologists and specialist physicians who interpret medical images to diagnose or treat diseases and injuries. They may work in hospitals, clinical or physicians' offices.

Satisfactory completion of this degree qualifies the graduate to apply to take the credentialing exam of the American Registry of Radiologic Technologists (AART).

Program Level Student Learning Outcomes

- Determine exposure factor to achieve optimum radiographic techniques with minimum radiation exposure to the patient.
- Operate radiographic equipment within the appropriate safety guidelines.
- Apply knowledge of positioning skills to produce radiographs of diagnostic quality.
- Provide patient care and comfort and anticipate patient needs.
- Modify standard procedures to accommodate for patient condition and other variables.
- Apply radiation protection for patient, self and others.
- Maintain ethical and professional values outlined in the ASRT code of ethics.
- Demonstrate proper communication skills in the healthcare setting.

Degree Requirements

Required Courses

BIO 201	Human Anatomy and Physiology I	4
BIO 202	Human Anatomy and Physiology II	4
BIO 208	General Pharmacology	3
BIO 220	Microbiology for Health	3
ENG 101	English Composition I	3
ETH 212	Healthcare Ethics	3
MTH 107	Math for Health Science	3
PSY103	Introduction to Psychology	3
COM 105	Professional Communication	3
ALH 116	Rad Tech Medical Terminology	1
RAD152	Patient Care in Radiography	1
RAD154	Ethics and Law for Radiographers	2
RAD 160	Radiographic Procedures I	2
RAD 161	Radiographic Practicum I	1
RAD 162	Radiographic Procedures II	2
RAD 163	Radiographic Practicum II	1
RAD 165	Radiographic Practicum III	3
RAD 170	Principles of Radiographic Exposure I	2
RAD 172	Principles of Radiographic Exposure II	2
RAD 180	Radiation Protection and Biology	2
RAD 200	Digital Imaging	1
RAD 250	General Radiography	2
RAD 260	Special Procedures	2
RAD 261	Radiographic Practicum IV	2
RAD 262	Pharmacology and Drug Administration	1
RAD 263	Radiologic Practicum V	2
RAD 270	Principles of Radiographic Exposure III	2
RAD 272	Principles of Computed Tomography	1
RAD 280	Pathology	2
RAD 292	Imaging Equipment and Image Processing	2
RAD 294	Sectional Anatomy for Radiographers	2
RAD 295	Radiography Capstone	2
	Total Credits	**65**

Medical Reimbursement Specialist, Certificate (CERT)

The Medical Reimbursement Certificate is designed to prepare students for a career in the medical revenue cycle industry as outpatient medical billers and coders.

Upon successful completion of the Medical Reimbursement Specialist Certificate program, students may sit for the national Certified Professional Coder examination by the American Academy of Professional Coders to earn the CPC credential as an apprentice (CPC-AO. The AAP requires individuals with the CPC-A credential to demonstrate o-the-job coding experience in order to remove the apprentice designation and se the credential CPC.

Program Level Student Learning Outcomes

The Medical Reimbursement Specialist Certificate prepares students for the following:

- Identify ethical, legal, and compliance issues as they relate to coding and reimbursement and describe the consequences of non-compliance.
- Accurately analyze medical documentation to code diagnoses and procedures for reimbursement utilizing ICD-10-CM, CPT and HCPCS.
- Complete 90 practicum hours in an outpatient medical billing setting.

Certificate Requirements

Required Courses

ALH 110	Medical Law and Ethics	3
ALH 110	Medical Terminology	3
ALH 111	Human Disease	3
BIO 101	Human Biology	3
MBC 101	Medical Insurance and Billing	3
MBC 102	Medical Coding I	3
MBC 103	Medical Coding II	3
MBC 110	Medical Billing and Coding Practicum	3
	Total Credits	**24**

Health Care Administration, Bachelor of Science (BS)

Heath Care Administrators are important members of the health care community as they work closely with an array of health care providers to ensure that patients receive quality service and care. These administrators manage environments that may range from a specific clinical area or department to a physicians' practice, or even an entire facility.

This program prepares individuals to develop, plan and manage health care operations and services within health care facilities and across health care systems. Instruction focuses on health care finance and economics, managed care, and quality standards. The program also emphasizes core business principles including financial management, public relations, human resources management, health care systems operations and management, health care resource allocation and policy, and health law and regulations, with applications to specific types of health care services. This program is designed to assist graduates in key competency areas that may lead to certification in the discipline such as the Certified Medical Manager (CMM) available through the Professional

Association for Health Care Office Management (PAHCOM) after two years of health care industry experience in support of patient care.

Program Level Student Learning Outcomes

- Demonstrate and apply knowledge of business and management principles involved in strategic planning, resource allocation, human resources, leadership, quality management, and marketing.
- Demonstrate an understanding of the framework in which health care services are coordinated, delivered, consumed, and reimbursed.
- Demonstrate an ability to apply principles and processes for providing effective customer care and services, including needs assessments and application of quality standards for services and evaluation of customer satisfaction.
- Demonstrate a command of the principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiations, and personnel information systems.
- Develop the capacity to maintain awareness of advances in medicine, computerized diagnostic and treatment equipment, data processing and records technology, government regulations, health insurances changes and financing options.

Program Curriculum

The BS in Health Care Administration is designed to be delivered as both as a full 4-year bachelor's degree, as well as a +2 program for anyone with an associate degree in a health-related discipline. This program relies on a 36-credit core of general education courses. General education courses can be substituted as long as the student meets the categories of study required by the Ohio Department of Higher Education for sub-categories of general education.

This program also includes 24 credits of electives from the current catalog. Elective courses can be taken in combinations required for a certificate in Medical Assistant, Pharmacy Technician or Medical Reimbursement Specialist. If a student would like to achieve the certificate as a micro-credential, he or she will need to complete the required practicum, possibly for additional credits. Please see the specific certificate in the catalog for current certificate requirements. Students may also choose from additional general education courses to meet the credit requirements for the elective category.

The Business Foundations courses form the pre-requisite knowledge (24 credits) for the Health Care Administration Core (36 credits). The total credits for this program is 120.

Degree Requirements

General Education

COM 105	Professional Communication	3
CSI 102	Informatics and Technology in Health Care	3
ECN 110	Macroeconomics	3
ECN 120	Microeconomics	3
ECN 350	Health Care Economics	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ETH 212	Health Care Ethics	3
MTH 107	Math for Health Science	3
MTH 111	Algebra and Probability	3
MTH 204	Basic Statistics	3
PSY 103	Introduction to Psychology	3
	Total Credits	**36**

Electives to Total 24 Credits

ALH 101	Medical Law and Ethics	3
ALH 105	Medical Office Procedures I	3
ALH 106	Medical Office Procedures II	3
ALH 110	Medical Terminology	3
ALH 111	Human Disease	3
ALH 150	Clinical Procedures I	3
ALH 151	Clinical Procedures II	3
ALH 152	Clinical Procedures III	3
BIO 101	Human Biology	3
COM 101	Interpersonal Communication	3
MBC 1 01	Medical Insurance and Coding	3
MBC 102	Medical Coding I	3
MBC 103	Medical Coding II	3
MBC 110	Medical Reimbursement and Billing Practicum	3
MA 199	Medical Assistant Practicum	3
PHT 131	Principles of Pharmacy Technology I	4
PHT 132	Principles of Pharmacy Technology II	5
PHT 133	Pharmacy Technology Practicum	3

Business Foundations

BUS 101	Introduction to Business	3
MGT 105	Principles of Management	3
ACC210	Financial Accounting	3
ACC220	Managerial Accounting	3
BUS 205	Business Law	3
MKT 105	Principles of Marketing	3
MGT 200	Human Resource Management	3
	Total Credits	**36**

Health Care Administration Core

HCA 290	Introduction to Health Services Management	3
HCA 310	Principles of Public Health	3
HCA 320	Health Care Marketing	3
HCA 330	Health Policy	3

HCA 340	Essentials of Managed Care	3
HCA 350	Health Care Human Resources Administration	3
HCA 360	Population Health	3
HCA 410	Health Care Regulations and Compliance	3
HCA 420	Insurance and Reimbursement	3
HCA 430	Strategic Planning and Leadership	3
HCA 440	Quality Improvement and Safety	3
HCA 450	HCA Capstone	3
	OR	
HCA 455	HCA Internship	3
	Total Credits	**36**

Courses

ACC - Accounting

ACC – 210 Financial Accounting (3)

This course presents the objectives and concepts of financial accounting, with a focus on the procedures and practices from the accounting cycle through the financial statement presentation. Emphasis is placed on recognizing, valuing, reporting, and disclosing assets, liabilities, and equity.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ACC – 220 Managerial Accounting (3)

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH - Allied Health

ALH 101 – Medical Law and Ethics (1)

This course covers the concepts and principles of law found in the health care field. The focus in on legal issues regarding health information including confidentiality, consent forms, and release of health information. There is also an emphasis on the liability of health care providers, concepts and methods of risk management in the health care industry, and other current medical/legal issues.

Distribution: Allied Health. Prerequisite: Admission to the College. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 116 – Rad Tech Medical Terminology (1)

Provides working knowledge of the duties required in a medical office, which will include professional and career responsibilities, interpersonal communication, administrative responsibilities, medicolegal, billing, coding and EHR (Electronic Health Record).

Distribution: Allied Health. Prerequisite: Admission to the College. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 106 - Medical Office Proc II (3)

The basics of diagnostic and procedural coding are covered in this course. An emphasis on reimbursement and third-party payers including accurate completion of the CMS-1500 form (paper and electronic), private and government payers, the Patient Accountability and Affordability Act, and medical/legal aspects of reimbursement.

Distribution: Allied Health. Prerequisite: ALH150; ALH151; ALH105. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 107 - Pharmacology Math (3)

An introduction to the concepts of pharmacology and, emphasis placed upon the study of drug classifications, indications, contraindications, their actions and side effects. There will be math review, and conversions between the Apothecary, Metric and Household systems. Dosage Calculations will be introduced and practiced.

Distribution: Allied Health. Prerequisite: Acceptance into the MA program. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 110 - Medical Terminology (3)

Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students receive a thorough grounding in basic medical terminology through a study of root words, prefixes and suffixes. The study focuses on correct pronunciation, spelling and use of medical terms. Anatomy, physiology, and pathology of disease is discussed.

Distribution: Allied Health. Prerequisite: Acceptance into MA program. Corequisite: None. Crosslisted as: None.

Offered: FA, SP, SU.

ALH 111 - Human Body and Disease (3)

This course presents a systemic approach to the study of the human body. The course covers the cellular processes and tissue classification and organ systems. Students then learn following systems: Integumentary, Skeletal, Muscular, Nervous, Circulatory, Respiratory, Digestive, Urinary, and Reproductive systems. Emphasis is placed on comparisons between a normal and diseased states.

Distribution: Allied Health. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 150 - Clinical Procedures I (3)

An introduction to clinical and diagnostic procedures. Topics include the principles of infection control, Universal Precautions, OSHA regulations, patient charting, documentation, vital signs, and routine examining room procedures.

Distribution: Allied Health. Prerequisite: Admission to the College. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 151 - Clinical Procedures II (3)

Expanding on content from Clinical Procedures I (ALH 150), a focus on specialty procedures including: Obstetrics and Gynecology, Pediatrics, Gastroenterology, Cardiology, Dermatology, Neurology, and Pulmonary Medicine. Medication administration, minor office surgical techniques, and emergency procedures are additional topics in this course.

Distribution: Allied Health. Prerequisite: Admission to the College. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 152 - Clinical Procedures III (3)

This course covers concepts microbiology including normal flora. In addition, laboratory techniques specific to ambulatory care and point-of-care testing including phlebotomy and capillary puncture, urinalysis, and CLIA waived testing for hematology, blood chemistry, immunology, and microbiology.

Distribution: Allied Health. Prerequisite: ALH150;ALH151;ALH105. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ALH 156 - Phlebotomy (3)

This course will focus on the concepts of collecting blood specimens via phlebotomy techniques including quality control and safety. Students will collect blood specimens using an evacuated system, a winged-infusion set, and a syringe to obtain the quantity required for the test ordered. There will be an emphasis on blood collection tubes and collecting whole blood, plasma, and serum depending on the type of test ordered.

Distribution: Allied Health. Prerequisite: ALH150; ALH151; ALH105. Corequisite: ALH156 Lecture and ALH 156 Lab. Crosslisted as: None. Offered: FA, SP, SU.

ALH 199 - Medical Assisting Practicum (3)

To prepare competent entry level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. This course requires the student to work in an outpatient setting, at an approved practicum site, to experience the hands-on application of administrative, clinical and professional procedures required for program completion. The student must fulfill, 160 unpaid hours at practicum. The hours can only be completed during the day.

Distribution: Allied Health. Prerequisite: ALH105;ALH106;ALH110;ALH150;ALH151; ALH152; MTH107; BIO101. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO - Biology

BIO 101 - Human Biology (3)

This course is designed to provide a survey of topics related to human biology. Special emphasis is given to the structure and function of the human body, and how the organ systems of the human body work together to maintain homeostasis. Pathological alterations of the human body will also be introduced. Lecture, laboratory and demonstration will be utilized to deliver the course content.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 201 - Human Anatomy and Physiology (4)

This is the first course in a two-semester sequence designed to provide in-depth examination of the structure and function of the human body. This course covers the basic biochemistry and cell physiology upon which the study of human physiology will be based. It also covers the structure and function of human tissues, and the integumentary, skeletal, muscular, nervous systems, and special senses. Lecture and laboratory.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 202 - Human Anatomy and Physiology II (4)

Biology 202 follows Biology 201 as the second course in a two-semester Anatomy and Physiology sequence. Students

build upon the principles established in Biology 201 and integrate those principles with other body systems. The systems addressed in Biology 202 include the special senses, endocrine system, respiratory system, digestive system, immune system, lymphatic system, cardiovascular system, urinary system, homeostasis of fluids and electrolytes, and reproduction. Lecture and laboratory.

Distribution: General Education. Prerequisite: BIO201 Lecture and BIO201 Lab. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 208 - General Pharmacology (3)

This course provides an overview of the core principles in pharmacology. This includes using the topics of pharmacodynamics and pharmacokinetics to describe how drugs affect human physiology to treat disease and move throughout the human body. The clinical implications and pathophysiological rationale for the use of major drug classes will be surveyed according to a body system approach.

Distribution: General Education. Prerequisite: BIO201 Lecture and BIO201 Lab. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 215 - General Microbiology (4)

A survey course covering the history, structure, growth, and molecular genetics of infectious agents. Special emphasis is placed on the use and mechanism of antibiotics, host defenses, and infectious control of microorganisms in a medical setting. Current topics in microbiology and epidemiology are discussed. The laboratory portion includes techniques for growing, manipulating, and sampling of microorganisms and

application of principles learned in the lecture portion. Lecture, laboratory and demonstration.

Distribution: General Education. Prerequisite: BIO201. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 216 - Microbial Pathogenesis (1)

A brief survey of microbial pathogenesis, the immune system, and the treatment of microbial disease. Current topics in microbiology and epidemiology are discussed. The laboratory portion is focused on learning standard techniques for growing, manipulating, and observing microorganisms based on the application of principles learned in the lecture portion. Lecture, laboratory, and demonstration are utilized to cover course content.

Distribution: General Education. Prerequisite: Transferred credit for a 3-credit hour microbiology course. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 220 - Microbiology for Health Sciences (3)

A survey course covering the history, structure, growth, and molecular genetics of infectious agents. Special emphasis is placed on the use and mechanism of anti-microbial drugs, host defenses, microbial pathogenesis and infection control procedures. Current topics in microbiology and epidemiology are discussed as it relates to the course content. The laboratory portion includes techniques for growing, manipulating, and sampling of microorganisms and application of principles learned in the lecture portion. Lecture, laboratory and demonstration.

Distribution: General Education. Prerequisite: BIO201 Lecture and BIO201 Lab. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BIO 311 - Pathophysiologic Basis of Patient Care (3)

Pathophysiology as it relates to common chronic health conditions, the connection between pathology at the cellular/organ level, and patient assessment, interventions, and evaluation of patient response are included.

Distribution: General Education. Prerequisite: BIO 202 or an unencumbered RN license. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BUS - Business

BUS – 101 Introduction to Business (3)

This survey course serves as an introduction to the private enterprise system and includes topics such as the forms of business organizations, business finance, human resources management, products and services, entrepreneurship, business ethics, marketing and current trends shaping business decisions.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

BUS – 205 Business Law (3)

This course presents an overview of fundamentals of business law in the US at state and federal levels. Emphasis is placed on law and ethics, contracts, sales, torts, agency law, employment obligations, and intellectual property.

Distribution: Health Care Administration. Prerequisite: BUS101 Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CAP - Capstone

CAP 201 - Health Sciences Capstone (3)

The capstone course in the health Sciences Degree Program is a terminal course designed to have student integrate learning in all courses taken and be able to share that learning with peers and faculty.

Distribution: General Education. Prerequisite: BIO 201, BIO 202, CHE 101 & CHE 102 OR CHE 111, ENG 101, ENG 102, COM 105, CSI 102, ETH 105, MTH 111, MTH 204, PSY 103, PSY 205, SCI100, SOC 103, SOC 104 . Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CHE - Chemistry

CHE 101 - General Chemistry (4)

A foundational course in the theories and concepts of inorganic and organic chemistry. The course covers structure of atoms, the periodic table, bonding of atoms, and functional groups of organic chemistry and their reactions. Lecture and laboratory.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CHE 102 - General Chemistry II (4)

A study of biochemistry of carbohydrates, lipids, and proteins, and their metabolism, and mechanism of action of some classes of pharmaceutical drugs, as related to biochemistry. Lecture and laboratory.

Distribution: General Education. Prerequisite: CHE101. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CHE 111 - General, Organic and Biochemistry (4)

This course includes concepts of physical chemistry, inorganic chemistry, organic chemistry and biochemistry. The focus is to connect course content with physiology, pharmacology and health science concepts.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CHE 120 - Chemistry for Health Professionals (4 (3 lecture, 1 lab))

Principles of atomic structure, periodicity, chemical bonding, molecular structure, stoichiometry, states of matter, thermodynamics, acids and bases, concentration units, kinetics, equilibria, nuclear chemistry, and electrochemistry will be discussed. Additionally, fundamentals of organic nomenclature and a survey of the physical, chemical and biological properties of the main organic functional groups will becovered. Lecture and laboratory.

Distribution: General Education. Prerequisite: None. Corequisite: None. Offered: FA, SP, SU.

COM - Communications

COM 101 - Interpersonal Communication (3)

Focuses on the process of interpersonal communication as a dynamic and complex system of interactions. Provides theory, actual practice, and criticism for examining and changing human interactions in work, family, and social contexts. Includes topics such as perception, self-concept language, message encoding and decoding, feedback, listening skills, conflict management, teamwork, and other elements affecting interpersonal communication in various world contexts.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

COM 105 - Professional Communication (3)

This course is designed to help students write and speak effectively in the academic and work setting. Students engage in writing and speaking assignments to apply the principles conveyed. The importance of effective communication in quality health care is stressed.

Distribution: General Education. Prerequisite: ENG102. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

CSI - Computer Science Informatics

CSI 102 - Informatics and Technology in Health Care (3)

Systems theory, quality, decision-making, and the organizational role of information systems are introduced. Emphasis is on the role of informatics and telecommunications in tracking and evaluating health care indicators and outcomes.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ECN - Economics

ECN 210 - Macroeconomics (3)

Basic economic principles with macro sequence. Interrelationship of households, business and government with an examination of Keynesian theory, fiscal policy and monetary policy. Traditional testing (proctored or in Testing Center) is used in all online sections.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ECN 220 - Microeconomics (3)

Microeconomic theory including price theory, the theory of the firm, resource demand and wage determination. Also includes public policy toward business, economic inequality, labor, trade, balance of payments and the economics of developing nations. Traditional testing (proctored or in Testing Center) is used in all online sections.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ECN 350 - Health Care Economics (3)

This course provides an overview of the structure of health care markets in the United States. You will evaluate the impact of the health care system in the United States on the competing goals of broad access, high quality, and affordability.

Distribution: General Education. Prerequisite: ECN 110 and ECN 120. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ENG – English

ENG 101 - English Composition I (3)

Provides a foundation for reading and writing skills that can be applied to personal, academic, and professional life. Initiates and integrates the composing process with critical reading and thinking.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ENG 102 - English Composition II (3)

This course builds upon and enhances the writing and reading skills developed in English Composition I. Emphasis is on organization, development of ideas, and techniques of persuasive and informative writing.

Distribution: General Education. Prerequisite: ENG101. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ETH - Ethics

ETH 105 - Ethics Foundation (3)

This course will introduce students to the history, vocabulary, and process of ethical reflection. Students will learn how culture, historical events, and philosophy affect moral reflection and judgment.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ETH 212 - Health Care Ethics (3)

The development of ethical principles and presuppositions, and an analysis of the major ethical issues raised in contemporary health care.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

ETH 321 - Social Ethics (3)

This course will introduce students to ethics beyond personal ethics. Students will learn about the philosophical underpinnings of social ethics, of social ethics in various traditions, issues of justice, and public health domestic and international.

Distribution: General Education. Prerequisite: ETH105 or ETH212 OR BSN transfer students who have met the Humanities req. for entry are not req to complete ETH105 or ETH212. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – Health Care Administration

HCA – 290 Introduction to Health Service Management (3)

This course introduces and describes the US health care delivery system and the resources that comprise it. With an emphasis on the managerial and leadership roles, this course examines the theoretical basis for the system, its history and development, as well as its overall planning, organization, management, evaluation, quality, professions, and major health policy issues.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 310 Principles of Public Health (3)

This course introduces the field of public health and epidemiology, emphasizing the socio-cultural factors associated with the distribution and etiology of health and disease. This course will provide an introduction to the use of epidemiologic concepts and the principles relevant to the practice of managing the health of populations and communities.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 320 Health Care Marketing (3)

Health care marketing is the promotion of an organization's products or services to increase its value, making it an integral part of the management of all health care organizations. The health care system poses a variety of marketing challenges for managers due to the services and products it provides, and its unique competitive, regulatory, cultural, and ethical environment. In this course we will learn the essentials of marketing as they are applied across a broad spectrum of health care organizations in a variety of cultural contexts.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 340 Essentials of Managed Care (3)

This course provides the student with an overview of the fundamentals of managed care, including understanding formulary decision making and utilization management techniques employed by managed care organizations.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 350 Health Care Human Resource Administration (3)

An introduction to the basic principles of human-resource management and their practical application in today's complex health-care organization. This course examines the role of human resources as a strategic partner within the organization.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

An introduction to the basic principles of human-resource management and their practical application in today's complex health-care organization. This course examines the role of human resources as a strategic partner within the organization.

HCA – 360 Population Health (3)

This course provides and overview of the essentials of population health practices to address the prioritized healthcare needs of populations with a goal of improving access to care, improve quality of care and reduce cost of care. Provides students with training in the language, theories, concepts, methods, measurement, analysis, and implementation of population health. A framework of core functions and essential features of population health is used to familiarize students with the unique challenges of disease surveillance, health measurement and monitoring, identification of health indicators and determinants, measuring health disparities, and developing population health policies and programs.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 410 Health Care Regulations and Compliance (3)

This course provides an overview of health care law from a variety of perspectives including local, state, and federal law; regulatory mandates, and health care policy. Students examine the legal implications of corporate structure, legal liabilities, and risk management considerations for health services.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 420 Insurance and Reimbursement (3)

This course will show students the reimbursement side of health care and the importance of correct coding and billing practices to both the facility and the patient. Students will gain insight into the various types of health insurance plans, and also study compliance as it relates to reimbursement.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 430 Strategic Planning and Leadership (3)

This course is designed to enable a thorough understanding of competitive strategy and the prominent theories and models in practice today. Successful completion of the course will enable the student to formulate a strategy, critically evaluate a strategy, lead the development of strategy and manage the execution of a strategy.

Distribution: Health Care Administration. Prerequisite: HCA330 Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 440 Quality Improvement and Patient Safety (3)

The goal of this course is to introduce the fundamentals of patient safety, evaluation of quality and quality measures and principals of quality improvement to students working in any aspect of health care or in health services research. The course will be divided into these three overlapping topic areas and will consist of lectures, group activities and project work. We will survey important topic areas in patient safety. We will explore the components of quality measures and their construction and evaluation in the current healthcare milieu. Students will review and create quality measures within their chosen field and develop a quality improvement project to improve a process or outcome. Distribution: Health Care Administration. Prerequisite: HCA330 Corequisite: HCA 430. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 450 Health Care Administration Capstone (3)

In this course, students will focus on a relevant problem in health care theory or practice. Students will conceptualize, apply, analyze, synthesize and evaluate information that they bring to bear on a contemporary problem or opportunity in health care. Students will develop and present an executive plan regarding an important issue. This course is to be taken in the final term of study.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: HCA 430. Crosslisted as: None. Offered: FA, SP, SU.

HCA – 455 Health Care Administration Internship (3)

In this internship, students will focus on a relevant problem in related to the particular health care site for the internship. Students will conceptualize, apply, analyze, synthesize and evaluate information that they bring to bear on a contemporary problem or opportunity in health care. Students will develop and present an executive plan regarding an important issue. This internship is to be taken in the final term of study.

Distribution: Health Care Administration. Prerequisite: None Corequisite: HCA 430. Crosslisted as: None. Offered: FA, SP, SU

MBC – Medical Billing and Coding

MBC – 101 Medical Insurance and Billing (3)

The emphasis of this course is to introduce the student to the practice of medical billing within the outpatient medical office. Students will explore reimbursement and payment methodologies and concepts in insurance and managed care organizations. This course also covers abstracting and classifying medical data to ensure data quality and integrity in written form on the CMS-1500 and in the electronic format. Students will also be introduced to the principles of bookkeeping and financial accounting, collection techniques, and banking procedures.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: MBC 102. Crosslisted as: None. Offered: FA, SP, SU.

MBC – 102 Medical Coding I (3)

This course is an introduction to the fundamentals of medical coding including coding terminology, nomenclature, and medical documentation. Students will apply guidelines for using the Current Procedural Terminology system for reporting physician and other health care services and guidelines for using the International Classification of Diseases to report conditions that require health care encounters.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: MBC 102. Crosslisted as: None. Offered: FA, SP, SU.

MBC – 103 Medical Coding II (3)

This course continues with the application of the fundamentals of medical coding described in Medical Coding I and includes an introduction to the HCPCS Level II code set. Students will continue to apply guidelines for using the Current Procedural Terminology system for reporting physician and other health care services and guidelines for using International Classification of Diseases to report conditions that require health care encounters.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: MBC 102. Crosslisted as: None. Offered: FA, SP, SU.

MBC – 110 Medical Reimbursement and Coding Practicum (3)

Participate in an introductory interview with the practice manager at the approved office for placement before the beginning of the practicum experience.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: MBC 102. Crosslisted as: None. Offered: FA, SP, SU.

MGT - Management

MGT – 105 Principles of Management (3)

This course will study of the foundational managerial principles of customer service, leadership, engagement, process approach, improvement, evidence-based decision-making, and relationship management. This course also addresses the key managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. Emphasis is on the contemporary body of practices and theories on successful management and quality.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MGT – 200 Human Resource Management (3)

This course introduces the various functions within human resources management, with an emphasis on understanding methods that support individuals and organizations that are adaptive and productive.

Topics addressed include staffing, employee relations, compensation, benefits and information systems, EEO/ADA/diversity, labor relations, organizational development, interpersonal communication, and training and management development.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MGT – 205 Principles of Project Management (3)

This course provides students with practical skills in project management, including project integration, scope (including requirements), time, cost management, and planning human resources. This course addresses how to employ various elements of the project management process, software, tools and techniques. Topics include an examination of processes to initiate, plan, execute, monitor and control, and close a project. Students learn project management skills through hands-on exercises.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MKT - Marketing

MKT – 105 Principles of Marketing (3)

This course explores marketing activities that support other business functions such as management and finance. Elements of marketing mix are addressed, as well as how these elements can be used to support the overall business. Topics may include, but are not limited to, advertising, sales, branding, and research.

Distribution: Health Care Administration. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MTH - Math

MTH 103 - Pharmacological Mathematics (1)

Basic concepts of dosage calculations with emphasis on intravenous and pediatric medications using dimensional analysis.

Distribution: General Education. Prerequisite: Students may challenge MTH103 course after completion of self-study. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MTH 107 - Math for Health Science (3)

A study of mathematics appropriate for health science. Convert within and between metric, household and apothecary systems; read and interpret health science graphs, labels and forms; calculate and apply statistical concepts; solve problems involving scientific notation.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MTH 111 - Algebra & Probability (3)

This course is offered in a hybrid format. A hybrid learning format consists of an online format and face to face delivery. Algebra and introductory probability. This course prepares the student for Basic Statistics.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

MTH 204 - Basic Statistics (3)

This course is offered in a hybrid format. A hybrid learning format consists of an online format and face to face delivery. Introduces students to statistics as they apply to health care practice and research. Descriptive and inferential statistics are introduced. Broad aspects of testing statistical hypotheses are included. This course prepares the student to begin to critically read research findings.

Distribution: General Education. Prerequisite: MTH111. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR - Nursing

NUR 101 - Nursing I (6)

The course introduces essential concepts of safe and effective nursing care for the adult patient, utilizing nursing process and evidence-based practice. The art and science of nursing is the foundation of the course. Content focuses on the introduction of the wellness/illness continuum and the core competencies of clinical practice. The competencies include professional behaviors, communication, clinical decision making, assessment, caring interventions, teaching/learning, collaboration, and managing care. The clinical experience is designed to facilitate the fundamental acquisition of the core competencies of clinical practice. Emphasis is placed on health assessment of the adult, recognition of alterations from the norm and caring interventions.
6 Total Credit Hours consisting of: -NUR101 Lecture (3 Credit Hours) = 45 Planned Total Theory Clock Hours AND -NUR101 Clinical/Lab (3 Credit Hours) = 135 Planned Total Clinical/Lab/Simulation Clock Hours o
Planned Lab Hours - 83.5 Clock Hours o
Planned Simulation Hours - 2.0 Clock Hours o
Planned Clinical Clock Hours – 49 Clock Hours

Distribution: Nursing. Prerequisite: Acceptance into the Nursing Program; BIO201, CHE102 or CHE111, PSY103 and MTH107 or MTH103 (All may be taken concurrently) Min Grade: C. Corequisite: NUR101 Lecture, and NUR101 Clinical/Lab. Crosslisted as: None. Offered: FA, SP, SU.

NUR 102 - Nursing II (8)

The course applies concepts of safe and effective nursing care focusing on adults experiencing acute and chronic alterations across the wellness/illness continuum. The

course focuses on nursing management of the adult patient's response to health alterations through the application of nursing knowledge, nursing process and evidence-based practice. The clinical experience is designed to facilitate the development of the core competencies of clinical practice: professional behaviors, communication, clinical decision making, assessment, caring interventions, teaching/learning, collaboration, and managing care. Emphasis is placed on clinical decision making, communication, and teaching/learning concepts. 8 Total Credit Hours consisting of:

- NUR102 Lecture (4 Credit Hours) = 60 Planned Total Theory Clock Hours AND - NUR102 Clinical/Lab (4 Credit Hours) = 180 Planned Total Clinical/Lab Clock Hours o Planned Clinical Clock Hours - 134.5 Clock Hours o Planned Mandatory Lab Activities - 41.5 Clock Hours o Planned Simulation Exercises - 4.0 Clock Hours

Distribution: Nursing. Prerequisite: NUR 101 Min Grade: C; BIO 202, BIO208, PSY205, and ENG101 (All may be taken concurrently) Min Grade: C. Corequisite: NUR102 Lecture, and NUR102 Clinical/Lab. Crosslisted as: None. Offered: FA, SP, SU.

NUR 150 - LPN to AASN Transition Course (5)

This course is designed to support advanced placement nursing students in defining their personal goals and practices that will assist in their successful transition from licensed practical nurse to registered nurse. The student will incorporate principles of adult learning to develop professional behaviors, communication, teaching-learning strategies, collaboration, and caring interventions. Students will assess and prioritize patient needs and include principles of evidence-based practice in developing plans of care. Students will demonstrate effective time management and organizational skills and explore principles associated with legal-ethical nursing practice. Technology will be used to develop personal and patient learning, interpret data, and communicate effectively with the healthcare team. Laboratory and/or clinical required. 5 Total Credit Hours consisting of: - NUR150 Lecture (3.5 Credit Hours) = 30 Hours Theory AND - NUR150 Clinical/Lab (.5 Lab/1Clinical Credit Hour) = 60 Hours Planned Clinical/Lab

Distribution: Nursing. Prerequisite: Valid, unencumbered LPN license, BIO201, CHE102 or CHE111, PSY103, MTH107 or MTH103, BIO 202, BIO208, PSY205, and ENG101 (All may be taken concurrently) Min Grade: C. Corequisite: NUR150 Lecture, and NUR150 Clinical/Lab. Crosslisted as: None. Offered: FA, SP, SU.

NUR 201 - Nursing III (10)

The course adapts concepts of safe and effective nursing care for children, adults and families, concentrating on health care needs on the wellness/illness continuum across the life span. The course focuses on a more comprehensive application of the student's nursing knowledge, nursing process and evidence-based practice. The clinical experience is designed to facilitate progression in the core competencies of clinical practice: professional behaviors, communication, clinical decision making, assessment, caring interventions, teaching/learning, collaboration, and managing care. Emphasis is placed on family communication, teaching/learning, and team collaboration concepts. 9 Total Credit Hours consisting of: - NUR201 Lecture (5 Credit Hours) = 75 Planned Total Theory Clock Hours AND - NUR201 Clinical/Lab (5 Credit Hours) = 225 Planned Total Clinical/Lab Clock Hours o Planned Clinical Clock Hours – 212 Clock Hours o Planned Lab/ Simulation Clock Hours – 13 Clock Hours

Distribution: Nursing. Prerequisite: NUR102 Min Grade: C; SOC103, BIO215 or BIO220 (All may be taken concurrently) Min Grade: C. Corequisite: NUR201 Lecture, NUR201 Clinical/Lab. Crosslisted as: None. Offered: FA, SP, SU.

NUR 202 - Nursing IV (10)

The course integrates concepts of safe and effective nursing care for individuals and groups of patients. The course is designed to facilitate integration of knowledge, evidence-based practice, and clinical decision making in the management of patients with complex health care needs. Clinical decision-making skills are enhanced through advanced clinical experiences and role transition opportunities. Emphasis is placed on the demonstration of the core competencies of clinical practice: professional behaviors, communication, clinical decision making, assessment, caring interventions, teaching/learning, collaboration, and managing care for individuals and groups of patients. 10 Total Credit Hours consisting of: - NUR202 Lecture (5 Credit Hours) = 75 Planned Total Theory Clock Hours AND - NUR202 Clinical/Lab (5 Credit Hours) = 225 Planned Total Clinical/Lab Clock Hours o Planned Clinical Clock Hours –210.5 Clock Hours o Planned Lab/ Simulation Clock Hours- 14.5 Clock Hours

Distribution: Nursing. Prerequisite: NUR201 Min Grade: C; ETH212 (May be taken concurrently) Min Grade: C. Corequisite: NUR202 Lecture, NUR202 Clinical/Lab and NUR260 . Crosslisted as: None. Offered: FA, SP, SU.

NUR 260 - Nursing V (2)

The course is designed to facilitate the student's transition into the profession of nursing. The focus of the course is on the role of the nurse in relation to the health care system. Emphasis is placed on the concepts of communication, professional behaviors, evidence- based practice, managing care, and health care policy. 2 Total Credit Hours consisting of: - NUR260 Lecture = 30 Planned Total Theory Clock Hours

Distribution: Nursing. Prerequisite: NUR201 Min Grade: C; ETH212 May be taken concurrently) Min Grade: C.

Corequisite: NUR202 Lecture, NUR202 Clinical/Lab . Crosslisted as: None. Offered: FA, SP, SU.

NUR 301 - Baccalaureate Nurse Transition (3)

This course introduces students to concepts and issues relevant to contemporary professional nursing practice and introduces students to skills essential for the transition to baccalaureate education. An emphasis is placed on selected philosophies and theories applicable to nursing, professional identity, and the professional values of altruism, autonomy, human dignity, integrity, and social justice. Emphasis is on Jean Watson's Theory of Human Caring.

Distribution: Nursing. Prerequisite: Active, unrestricted RN license; ENG102; COM105; MTH111. Corequisite: NUR311. Crosslisted as: None. Offered: FA, SP, SU.

NUR 311 - Healthy Aging (3)

This course will explore the multiple dimensions of aging in America and in global societies. The emphasis will be on foundations of healthy, successful aging based on national indicators, as well as the personal definitions and meanings of the older adult. Students will learn to support optimal promotion of health and wellness, while exploring the care of those who might also be experiencing illness, recovery, or the end of life.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; BIO202. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR 315 - Nursing Research (3)

This course is an introduction to the principles of scientific inquiry and the research process. Emphasis is placed on the role of the professional nurse in interpreting research findings for applicability to nursing practice, and in identifying research problems in nursing practice.

Distribution: Nursing. Prerequisite: Active, unrestricted RN License; NUR301;MTH204;CSI102; NUR311. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR 321 - Holistic Health Concepts (3)

Assessment skills will be enhanced by examining traditional medicine, complementary and alternative medicine, and cultural aspects of health and health behavior. Contemporary research findings of mind, body, and spirit will be explored, as well as genomics, epigenomics, and personalized medicine. The course will examine health policies and professional behaviors that support patient preferences and values for the provision of high-quality care.

Distribution: Nursing. Prerequisite: Active, unrestricted RN license; NUR301; NUR311. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR 331 - Population Health Care (2)

This course will explore the range of personal, social, economic, and environmental factors that influence health status. The role of the nurse and community resources/partnerships in facilitating the health of populations, with a focus on at-risk and vulnerable populations, will be examined as well as the significance of epidemiology, social justice, and health policy.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; NUR301; ETH321. Corequisite: NUR332. Crosslisted as: None. Offered: FA, SP, SU.

NUR 332 - Population Health Care Practicum (1)

The practicum focuses on population health which refers to the distribution of health outcomes within a population, the health determinants that influence distribution, and the policies and interventions that impact the determinants. The population health practicum provides an opportunity for the student to explore health care systems, agencies, and organizations which work together in order to improve the health outcomes of the communities they serve.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; NUR301; ETH321. Corequisite: NUR331. Crosslisted as: None. Offered: FA, SP, SU.

NUR 411 - Principles of Nursing Leadership (3)

This course integrates previously learned nursing knowledge and skills with contemporary leadership, systems, and change theories, enhancing students' leadership skills in the practice setting and profession. Students will identify leadership challenges created by increasingly complex health care environments, and the interface between patient advocacy, quality improvement, inter-professional collaboration, and legal, regulatory, and professional nursing standards.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; NUR331;NUR332. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR 415 - Continuity of Care (3)

This course will focus on the unique role of the nurse in protecting and promoting patient safety as well as ensuring quality and continuity in care. Healthcare systems, transitional models of care, insurance and regulatory environments, and political advocacy will be explored. Emphasis will be placed on inter-professional communication, care coordination, resource stewardship, systems assessment, change theory, and patient outcomes.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; NUR411. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

NUR 431 - Role Exploration Seminar (2)

This course provides a culminating experience for the BSN student. Present and evolving nursing contributions in a reformed health care system are emphasized. Students are guided in the development of a self-directed practicum in a selected role.

Distribution: Nursing. Prerequisite: Active unrestricted RN license. All GE 300 level and all NUR300 level courses. Corequisite: NUR432. Crosslisted as: None. Offered: FA, SP, SU.

NUR 432 - Role Exploration Practicum (1)

This practicum course provides opportunities for students to explore a professional role through research, interviews, and precepted experiences. The role can be one of possible graduate study or career advancement.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; All GE 300 level and all NUR 300 level courses. Corequisite: NUR431. Crosslisted as: None. Offered: FA, SP, SU.

NUR 485 - Capstone: Quality Improvement Project (3)

This is the terminal course in the BSN Program. The student will utilize quality improvement processes to identify a clinical problem impacting patient health and/or safety, investigate causative factors, develop an evidence-based plan for problem resolution, and communicate the plan to appropriate stakeholders.

Distribution: Nursing. Prerequisite: Active unrestricted RN license; All GE 300 level and all NUR 300 level courses; NUR 411; NUR 415; NUR 431; NUR 432. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

PHT - Pharmacy Technician

PHT 131 - Principles of Pharmacy Technician I (4)

This course will emphasize the duties and responsibilities of the pharmacy technician including the scope of practice, medication orders and prescriptions, introduction to principles of pharmacology, medication dosage calculations, and handling infectious and hazardous waste. The simulated lab component of this course includes approximately 38 hours of hands-on practice assisting in the collection, organizing and recording patient demographic and clinical information, receiving and screening prescriptions and medication orders for completeness, accuracy, and authenticity, and utilizing effective communication skills.

Distribution: Allied Health. Prerequisite: Acceptance into the pharmacy technician program. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

PHT 132 - Principles of Pharmacy Technician II (5)

This course will continue to build on the professional responsibilities of the pharmacy technician including the addition of sterile compounding, nonsterile compounding, inventory control, assisting with medication reconciliation, and applying safety and quality assurance practices in the pharmacy. The simulated lab component of this course includes hands-on practice applying the knowledge and skills necessary to perform competently and accurately as a pharmacy technician.

Distribution: Allied Health. Prerequisite: ALH101;MTH107;BIO101; PHT131. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

PHT 133 - Pharmacy Technician Practicum (3)

This course consists of a supervised 210-hour, unpaid practicum experience allowing real world experience as a pharmacy technician in a hospital-based pharmacy. Eligibility to take this course includes successfully completing all courses in the pharmacy technician technical certificate program, a 2.0 GPA, registration with the Ohio Board of Pharmacy as a pharmacy technician trainee, and a current credential for pharmacy technicians (CPhT or PTCB).

Distribution: Allied Health. Prerequisite: PHT 132; ENG 101. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

PSY - Psychology

PSY 103 - An Introduction to Psychology (3)

Introduction to the basic psychological processes and study of human behavior including methods, principles, and theories of psychology.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

PSY 205 - Lifespan Development (3)

An in-depth look at the human biopsychosocial and spiritual development from conception to death. Emphasis will be placed on the integration of research, theories and practice, including current issues/ideas present in the field of developmental psychology.

Distribution: General Education. Prerequisite: PSY103. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SCI - Science

SCI 100 - Introduction to Science (3)

This course introduces the student to the process of science. Using important individuals and their scientific achievements as examples, the student will be able to recognize and judge the impact of good science on society. Analysis of current scientific events will play a key role in the learning process.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SOC - Sociology

SOC 103 - An Introduction to Sociology (3)

Concepts and principles basic to the understanding of human society today. The study of social behavior, group experience, and modern communities.

Distribution: General Education. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SOC 104 - Social Issues in Health Care (3)

This course examines the interaction between society and the health care system. One of the goals of the course is to identify the relationships between social life and morbidity and mortality rates. This course deals with health and illness in relation to social institutions such as family, employment, and school. Topics covered generally require a global approach of analysis due to the variance of influence of societal factors.

Distribution: General Education. Prerequisite: SOC103. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SUR – Surgical Technology

SUR 100 – Surgical Technology Concepts and Applications I (6)

The didactic portion of this course provides an overview of the history of surgery and the role of surgical technologists, including professional responsibilities, developing a professional resume, legal and ethical considerations, interpersonal relationships and communication skills. Incorporates safety, hazard preparation, aseptic technique and duties of the scrubbed and circulating surgical technologist during a surgical procedure. Provides information for the performance and completion of surgical procedures including general surgery, ob/gyn with attendant specialty equipment, abdominal incisions, wound closures, and standard precaution skills. The lab portion of this course gives the opportunity for demonstration of skills required to prepare the patient, operating room, basic equipment, and supplies; and to function as a member of an operating room team. Incorporates OSHA safety standards, aseptic technique, and duties of both scrubbed and circulating technologists during a surgical procedure.

Distribution: Surgical Technology. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SUR 115 – Surgical Technology Concepts and Applications II (6)

The didactic portion of this course focuses on the relevant anatomy, indications for surgery, patient preparation, special equipment and supplies, purpose, expected outcomes and possible complication of specialty areas following OSHA standards. Introduces the fundamental principles of the clinical use of drugs. Emphasizes the role and responsibility of the surgical technologist related to drugs, a review of basic mathematic skills, a thorough knowledge of the systems of measurement and conversion and application of skills to perform dosage calculations. Presents information related to medicines in common use in the surgical setting. The lab portion of this course gives the opportunity for demonstration of skills required to prepare the patient, operating room, basic equipment, and supplies; and to function as a member of an operating room team. Incorporates OSHA safety standards, aseptic technique, and duties of both scrubbed and circulating technologists during a surgical procedure.

Distribution: Surgical Technology. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SUR 200 – Surgical Clinical I (7)

Provides an opportunity for application of technique in a healthcare setting performing the duties of a scrubbed and/or circulating technologist during an assigned surgical procedure with an emphasis on OSHA standards. This course is designed to provide the student with individualized experience in practice in the field. Emphasis is placed on demonstrating proficiency in the skills necessary to participate in surgical procedures.

Distribution: Surgical Technology. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SUR 201 – Surgical Clinical II (7)

Provides an opportunity for application of technique in a healthcare setting performing the duties of a scrubbed and/or circulating technologist during an assigned surgical procedure with an emphasis on OSHA standards. This course is designed to provide the student with individualized experience in practice in the field. Emphasis is placed on demonstrating proficiency in the skills necessary to participate in surgical procedures.

Distribution: Surgical Technology. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

SUR 210 – Surgical Clinical III (7)

Provides an opportunity for application of technique in a healthcare setting performing the duties of a scrubbed and/or circulating technologist during an assigned surgical procedure with an emphasis on OSHA standards. This course is designed to provide the student with individualized experience in practice in the field. Emphasis is placed on demonstrating proficiency in the skills necessary to participate in surgical procedures.

Distribution: Surgical Technology. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

RAD – Radiologic Technology

RAD – 152 Introduction to Radiography and Patient Care (1)

This course is designed to help students provide appropriate patient care within the scope of practice of a radiographer. Topics to be included are communication, professional ethics, proper body mechanics, emergency procedures, isolation techniques, mobile radiography, medication administration and contrast studies and preparation. This course will provide students with a fundamental background in ethics as well as elements of ethical and professional behavior. Students will be introduced to legal terminology, principles, and professional organizations.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: RAD 152, RAD 161, RAD 170. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 160 Radiographic Procedures I (2)

Didactic and laboratory instruction in routine radiographic positioning of the chest, abdomen, upper extremities, bony thorax, esophagus, stomach, large intestine, bilary and urinary systems.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: RAD 152, RAD 161, RAD 170. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 161 Radiographic Practicum I (1

Students will gain experience and develop basic skills in the areas of patient care, maintaining patient records, terminology, radiation protection, radiographic and film processing equipment. Students will observe, assist and perform basic radiographic procedures and fluoroscopic procedures under direct supervision until competency level is achieved. Once competency in a particular procedure is achieved, students can perform that procedure with indirect supervision. This course is scheduled on Tuesdays and Thursdays at a hospital or outpatient center. Your rotation schedule will change every two weeks.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Clinical = 45 contact. Prerequisite: None. Corequisite: RAD 152, RAD 161, RAD 170. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 162 Radiographic Procedures II (2)

Didactic and laboratory instruction in routine radiographic positioning of the lower extremities, pelvis, cervical, thoracic and lumbar spine, skull and facial bones.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: RAD160, RAD161. Corequisite: RAD 163. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 163 Radiographic Practicum II (1)

Students will observe, assist and perform radiographic procedures and fluoroscopic procedures under direct supervision until competency level are achieved. Once competency in a particular procedure is achieved, students can perform that procedure with indirect supervision. This course is scheduled on Tuesdays and Thursdays at a hospital or outpatient center. Your rotation schedule will change every two weeks.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Clinical = 45 contact. Prerequisite: None. Corequisite: RAD 162. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 165 Radiographic Practicum III (3)

Continuation of Radiologic Technology clinical education. Students will gain experience and develop skills in general radiographic and fluoroscopic procedures and are able to accomplish standard procedures under direct supervision

until competency level is achieved. Once competency in a particular procedure is achieved, students can perform that procedure with indirect supervision. This course is scheduled for Monday through Friday at a hospital or outpatient center. Your rotation schedule will change every two weeks. You are required to complete a two-week second shift rotation.

Distribution: Surgical Technology. Total Credit Hours consisting of 3 Clinical = 135 contact. Prerequisite: RAD 162, RAD 163, RAD 172, RAD 180. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 170 Principles of Radiographic Exposure I (2)

This course is design to provide students theoretical basics for production and control of x-radiation for diagnostic and radiation safety purposes. Learn and demonstrate how to manipulate the radiographic control panel, table and ancillary equipment. Explain the component of the radiographic grid and the importance of the grid to radiographic quality.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: RAD152, RAD160, RAD161. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 172 Principles of Radiographic Exposure II (2)

Describe the grid design/purpose, cut off and the effects on the radiographic image. Describe how radiographic film and intensifying screens are manufactured. Describe how radiographic film and intensifying screens influences radiographic quality. Describe the Controlling and influencing factors of Radiographic Quality (Receptor Exposure/Density, Gray Scale/Contrast, Spatial Resolution/Detail and Distortion). Explain how changes made by the radiographer influences the radiographic quality.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: RAD162, RAD163, RAD165, RAD172, RAD180. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 180 Radiation Protection and Biology (2)

The content of this course will cover how to use ionizing radiation in a safe and prudent manner, maximum permissible doses, and describes the effects of ionizing radiation on living tissue. Descript the types of radiation and how these radiations will interact within the body. Radiation dose limitations are discussed along with how doses are detected.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 200 Digital Imaging (1)

To advance the student's knowledge of computer radiography and digital radiography. Students will understand the principles and components to form digital images within the radiography department. Digital terminology will be covered.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 250 General Radiography (2)

To advance the students' positioning and skeletal anatomy knowledge for special projections of the extremities, vertebral column and skull. To be able to evaluate the special projection radiographs for their quality. To be able to classify bones and joints into their proper classifications. To be sensitive to the needs of the patients.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 15 contact, 1 Lab = 30 contact. Prerequisite: RAD165. Corequisite: RAD250, RAD261, RAD270. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 260 Special Procedures (2)

To introduce the students to special imaging of the body systems with or without the use of contrast media. To understand how the tomographic images are produced. To understand the need of specialized equipment used in the special procedures area. Additional content is designed to impart basic principles and instrumentation related to computed tomography (CT imaging). The historical development and evolution of computed tomography is reviewed. Physics topics covered include the characteristics of x-radiation. Computed tomography systems and operations will be explored with coverage of radiographic tube configuration, collimator design and function, detector type, characteristics and functions and the CT computer and array processor.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 30 contact, 1 Lab = 30 contact. Prerequisite: RAD165. Corequisite: RAD250, RAD261, RAD270. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 261 Radiographic Practicum IV (2)

Continuation of Radiologic Technology clinical education. Students will gain experience and develop skills in general radiographic and fluoroscopic procedures and are able to

accomplish standard procedures under direct supervision until competency level is achieved. Once competency in a particular procedure is achieved, students can perform that procedure with indirect supervision. Students are introduced to the CT area and special procedures. This course is scheduled for Monday, Wednesday, and Friday at a hospital or outpatient center. Your rotation schedule will change every two weeks.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Clinical = 90 contact. Prerequisite: RAD 165. Corequisite: RAD 250, RAD 260, RAD 270. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 262 Pharmacology and Drug Administration (1)
Content is designed to provide basic concepts of pharmacology and drug administration. The administration of diagnostic contrast agents and/or intravenous medications is emphasized. Students will demonstrate venipuncture skills on a phantom arm and be able to pass the venipuncture competency as required by the American Registry of Radiologic Technologist (ARRT).

Distribution: Surgical Technology. Total Credit Hours consisting of .75 Lecture = 10 contact, 1 Lab = 30 contact. Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 263 Radiographic Practicum V (2)

Continuation of Radiologic Technology clinical education. Students will gain experience and develop skills in general radiographic and fluoroscopic procedures and are able to accomplish standard procedures under direct supervision until competency level is achieved. Once competency in a particular procedure is achieved, students can perform that procedure with indirect supervision. Students are introduced to the CT and MRI areas and special procedures. This course is scheduled for Monday, Wednesday, and Friday at a hospital or outpatient center. Your rotation schedule will change every two weeks.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Clinical = 90 contact: Prerequisite: RAD 115, RAD 250, RAD 261 and RAD 270. Corequisite: RAD 280, RAD 292, RAD 294. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 270 Principles of Radiographic Exposure III (2)

To provide students with the theoretical basics for formulating radiographic technical factors, designing technique charts, calculation of heat units, anode cooling problems and exposure conversion problems.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Lecture = 30 contact. Prerequisite: RAD 165. Corequisite: RAD 250, RAD 260, RAD 261. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 280 Pathology (2)

Pathology is the study of diseases and how they appear on radiographic images. This course is designed to help the student identify the disease processes on the radiographic image and know how to change the prime factors to obtain a quality image.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Lecture = 30 contact. Prerequisite: RAD 115, RAD 250, RAD 260, RAD 270. Corequisite: RAD 263, RAD 292, RAD 294. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 292 Imaging Equipment and Image Processing (2)

This course will cover the components and function of the x-ray tube, x-ray circuit, fluoroscopic equipment and image processing. The content will also provide a basic knowledge of quality control and quality assurance. Digital terminology, Picture archiving and communication system (PACS) and teleradiography will be defined and discussed.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Lecture = 30 contact. Prerequisite: RAD 115, RAD 250, RAD 261, RAD 270. Corequisite: RAD 263, RAD 280. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 294 Sectional Anatomy for Radiographers (2)

Gross sectional anatomy of the head, neck, thorax, abdomen, pelvis and vertebral column as they appear on diagrams, computed tomography scans and magnetic resonance scans.

Distribution: Surgical Technology. Total Credit Hours consisting of 2 Lecture = 30 contact. Prerequisite: RAD 115, RAD 250, RAD 260, RAD 261, RAD 270. Corequisite: RAD 263, RAD 280, RAD 292. Crosslisted as: None. Offered: FA, SP, SU.

RAD – 295 Radiography Capstone (1)

This course is designed to prepare the radiologic technology students for the American Registry for Radiologic Technologists (ARRT) examination (www.arrt.org). The course topics will focus on the four sections of the ARRT national examination which are patient care and education, radiation protection and biology, equipment operation and imaging procedures.

Distribution: Surgical Technology. Total Credit Hours consisting of 1 Lecture = 30 contact, Prerequisite: None. Corequisite: None. Crosslisted as: None. Offered: FA, SP, SU.