2018-2019 Catalog Addendum

This Catalog Addendum includes information relating to updates since the publication of the 2018-19 South College Catalog and remains in effect until a new catalog is published.

Page 5 – Addition to 2019-2020 Academic Calendar

Other Important Dates

		Fall 2019	Winter 2020	Spring 2020	Summer 2020
Advisement/ Registration Begins for Next Full Term		Oct 28, 2019	Feb 10, 2020	May 4, 2020	July 27, 2020
Graduation	PA Graduation (Knoxville)	Dec 14, 2019			
	Pharmacy Graduation (Knoxville)			May 1, 2020	
	Physical Therapy Graduation (Knoxville)			June 19, 2020	
	General Graduation			June 19, 2020	
Holidays		Nov 27-30, 2019	Jan 20, 2020	May 25, 2020	July 4, 2020 and Sept 7, 2020

Page 9 – Addition

Baccalaureate Degree Programs:
Bachelor of Science in Computer Science
Concentrations Available in:
Data Science
Network Security
Software Engineering
Mobile & Web Development
Artificial Intelligence
Blockchain & Cloud Computing
Bachelor of Science in Cybersecurity

Bachelor of Science in Dental Hygiene

Additional Concentrations for the Bachelor of Science in Information Technology
- Data Analytics
- IT Management
- Networking

Associate Degree Programs:
Associate of Science in Computer Science

Page 10 – Addition

Bachelor of Science in Nuclear Medicine (BS) (RT and Non-RT Tracks Available)

Page 12 – Correction to include the BS program in the text

Certificate in Nuclear Medicine
BS Health Science w/Concentration in Nuclear Medicine (RT and NON-RT Tracks)
The South College Certificate in Nuclear Medicine program and the BS Health Science w/Concentration in Nuclear Medicine program offered at the Knoxville campus is accredited by the Joint Review Committee on Education in Nuclear Medicine Technology (JRCNMT) (820 W. Danforth Rd, #B1 Edmond, OK 73003, (405) 285-0546, www.jrcnmt.org). In April 2014, the program was awarded a continued accreditation for a period of 8 years. The next review is scheduled for 2019.

Page 13 – Update Programmatic Accreditation/State Authorization for Nursing

State Authorization (Asheville, Atlanta, Knoxville, Nashville)
The South College Bachelor of Science in Nursing program offered at the Parkside Learning Site (Knoxville) received initial approval from the Tennessee Board of Nursing in December 2003, with full approval granted in September 2008. Approval for the addition of the Nashville Learning Site was granted in November 2016. The Master of Science in Nursing program received initial approval in November 2016. The South College Bachelor of Science in Nursing program offered at the Asheville Learning Site received initial approval from the North Carolina Board of Nursing in February 2016, with full approval granted in May 2019. The Bachelor of Science in Nursing program offered at the Atlanta Learning Site received initial approval from the Georgia Board of Nursing in September 2018.

The South College Certificate program in Practical Nursing offered at the Parkside Learning Site (Knoxville) received initial approval from the Tennessee Board of Nursing in February 2018. Approval for the addition of the Nashville Learning site was granted in November 2018. The Certificate program in Practical Nursing was approved by the Georgia Board of Nursing for the Atlanta Learning Site in May 2019 to begin the first class in June 2020.

Programmatic Accreditation
The Bachelor of Science in Nursing and the Master of Science in Nursing programs offered at South College are accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791 (http://www.ccneaccreditation.org).

Page 14 – Update Programmatic Accreditation Information for the Knoxville Associate of Science in Occupational Therapy Assistant Program due to Moving from Candidacy to Accredited Status

The South College Occupational Therapy Assistant – Knoxville campus program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its Web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapy assistant administered by the ACCREDITATION COUNCIL FOR OCCUPATIONAL THERAPY

EDUCATION ACCREDITATION MANUAL VI.E. Revised July 2019 Section VI - Page 19 National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure. Accreditation was granted in August 2019 for 5 years with the next site visit to be scheduled during the 2023/2024 academic year.

Page 14 – Update Programmatic Accreditation Information for AS Radiography Program in Nashville

The South College Associate of Science in Radiography program offered at the Nashville campus is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) (20 N. Wacker Drive, Ste. 2850, Chicago, IL 60606-3182, (312) 704-5300, www.jrcert.org). In 2019, the program was awarded accreditation for a period of 3 years. The next review is anticipated in 2021.

Update Programmatic Accreditation Information AS Radiography Program in Atlanta

The South College Associate of Science in Radiography program offered at the Atlanta campus is currently in an Applicant Status by the Joint Review Committee on Education in Radiologic Technology (JRCERT) (20 N. Wacker Drive, Ste. 2850, Chicago, IL 60606-3182, (312) 704-5300, mail@jrcert.org, www.jrcert.org). A site visit is expected in early 2020.

Update Programmatic Accreditation Information AAS Radiologic Technology Program in Asheville

The South College Associate of Applied Science in Radiologic Technology program offered at the Asheville campus is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, Illinois, 60606-3182; phone (312) 704-5300; www.jrcert.org. The program was considered at the August 27, 2019 meeting of the Joint Review Committee on Education in Radiologic Technology and was awarded Accreditation for period of 8 years. The next site visit is tentatively scheduled for 2026.

Page 14-15 - Update Programmatic Accreditation Information for the Knoxville Master of Health Science in Physician Assistant Studies Program due to Addition on Extended Site in Atlanta. Update Programmatic Accreditation Information for the Nashville Master of Health Science in Physician Assistant Studies Program due to Receipt of Provisional Accreditation.

Master of Health Science in Physician Assistant Studies – Knoxville & Atlanta
The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted Accreditation-Continued status to the South College Masters of Health Science Physician Assistant Program sponsored by South College. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA Standards. Accreditation remains in effect until the program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the Standards. The approximate date for the next validation review of the program by the ARC-PA will be September 2027. The review date is contingent upon continued compliance with the Accreditation Standards and ARC-PA policy. The South College Masters of Health Science Physician Assistant Program is a single program with two campuses; one in Knoxville, Tennessee and an extension campus in Atlanta, Georgia.

The ARC-PA has granted Accreditation-Provisional status to the South College – Nashville Physician Assistant Program sponsored by South College – Nashville. Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students. Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

Page 15 – Addition of Business Program Accreditation Information

The School of Business and Technology at South College has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. For a list of accredited programs, visit https://iacbe.org/memberpdf/SouthCollege.pdf.

Page 19 – Addition to Admission of Transfer Students (Non-Degree Holders) Section

ADMISSION OF TRANSFER STUDENTS (NON-DEGREE HOLDERS)

To be eligible for undergraduate general admission, transfer students must be a high school graduate from an acceptable high school or have earned the equivalent (GED) and meet the following stipulations:

1. Transfer from an accredited collegiate institution.
2. Have earned a minimum of 23 quarter/15 semester hours with an overall cumulative grade point average of not less than 2.0 (only college level academic courses are applicable).

Notes: Students who have a course or courses in progress on an unofficial transcript for a current quarter or semester in which they are enrolled may be qualified for admission as long all other requirements are met. Once all in-progress courses are complete, an updated and official transcript must be provided and reevaluated to ensure compliance with all admission requirements.

In order for admitted VA students to qualify for veteran related financial aid, South College must receive all official transcripts from previous post-secondary/training institutions by no later than the end of the second quarter of enrollment.

Verifying documentation of the above requirements must be received by the institution and become property of the institution.

Students applying to graduate programs must meet the admissions and application procedures and requirements indicated for the associated program.

Pages 21-22 – Addition to Admission of International Students Section

A Certificate of Eligibility for Nonimmigrant Student Status (Form I-20) will be mailed to accepted international students upon receipt of a completed Proof of Financial Ability Form and a $100 deposit who are coming to or staying in the United States to attend South College. It is the responsibility of admitted students to follow-up with the Office of the Registrar to ensure receipt of the Form I-20 within the needed period in order to remain in the United States. Accepted students taking online classes from outside of the United States are not required to have an I-20. Please note that international students on temporary visas or those taking online classes from outside the United States are not eligible for financial aid and should expect to pay the full cost of attendance.

Page 23 – Revision to Math Course Requirements Section

MATH COURSE REQUIREMENTS

All undergraduate students* are required to take MAT 1000 Mathematical Concepts and Applications unless one of the following exceptions is met (course considered a required course for program):

1. Score of **320** or above on the Quantitative section of the **Wonderlic** or score **90** or above on the Mathematics section (original)/**265** (next generation) of the **Accuplacer Exam.**
2. Score of **19** or above on the Mathematics section of the **ACT Exam**.
3. Score of **600** or above on the Mathematics section of the **SAT Exam**.
4. **Successfully have passed or received transfer credit** for a higher-level mathematics course.
5. Receipt of a B or higher in any non-remedial high school math course as evidenced by official high school transcript.

If no exceptions are met, then the student must enroll in and satisfactorily complete MAT 1000 in order to progress to other math courses.

All newly enrolled students must take the course within their first two quarters of enrollment at South College.

*A student pursuing a certificate program in which MAT 1000 is a required course must satisfactorily complete the course or receive transfer credit for the course (e.g. Certificate in Medical Assisting). Certain certificate programs, due to the nature of the program, does not require math and the above does not apply (e.g. Certificate in Dental Assisting).

Page 24 – 2019-2020 Tuition and Fee Rates Revisions

South College
2019-2020 Tuition/Fees

ONGROUND/HYBRID PROGRAM TUITION RATES

Certificate Programs Table 1 (Beginning Fall Quarter 2019):

CERT Computed Tomography	CERT Dental Assisting	CERT Licensed Practical Nursing
CERT Magnetic Resonance Imaging	CERT Medical Assisting	CERT Nuclear Medicine
CERT Paralegal/Paralegal Studies	CERT Surgical Technology	Special Subject/Joint Enrollment

Associate Programs Table 1 (Beginning Fall Quarter 2019):

AS Accounting	AS Business Administration	AS Criminal Justice
AS Health Science	AS Health Science (Pre-Nursing)	AS Health Science (Pre-Pharmacy)
AS/AAS Medical Assisting	AS/AAS Paralegal Studies	AS Surgical Technology
AS Teaching		

Bachelor's Programs Table 1 (Beginning Fall Quarter 2019):

Bachelor of Business Administration (w/Concentrations)	BS Criminal Justice
BS Elementary Education	BS Legal Studies

Master's Programs Table 1 (Beginning Fall Quarter 2019):
MEd Elementary Education (K-5) Initial Licensure

Table 1 Tuition Rates

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$5500**
6-9 Credit Hours	**$3950**
1-5 Credit Hours	**$2100**
Each Credit Above 20	**$310 per credit**

Associate Programs Table 2 (Beginning Fall Quarter 2019):

AS Dental Hygiene	AS Diagnostic Medical Sonography
AS Occupational Therapy Assistant	AS/AAS Physical Therapist Assistant
AS Radiography	AAS Radiologic Technology

Bachelor's Programs Table 2 (Beginning Fall Quarter 2019):
BS Health Science (w/Concentrations in CT, DMS, MRI, NM, RAD)
BS Health Science (including Post-PTA, Pre-PA, and Pre-PT)
BS Nursing (Traditional, Accelerated, LPN/BSN)
BS Nursing (Declared – Pre-Requisite Courses Prior to Major Admission)
BS Pharmaceutical Science (Pre-Pharmacy) – Until Pharmacy Major Courses
BS Radiological Science

Table 2 Tuition Rates

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$6975**
6-9 Credit Hours	**$4750**
1-5 Credit Hours	**$2500**
Each Credit Above 20	**$360 per credit**

Master of Health Science Physician Assistant Studies (Per Quarter Beginning Fall Quarter 2019)

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$11250**
1-9 Credit Hours	**# of Credits X $600**

Doctor of Physical Therapy (Per Quarter Beginning Summer Quarter 2019)

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$10,275**
1-9 Credit Hours	**# of Credits X $600**

Doctor of Pharmacy (Per Quarter Beginning Summer Quarter 2019)

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$11,975**
1-9 Credits	**# of Credits X $800**

ON-LINE PROGRAM TUITION RATES

Certificate Programs Table 3 (Beginning Fall Quarter 2019):
CERT Investigation & Security
Special Subject

Associate Programs Table 3 (Beginning Fall Quarter 2019):

AS Accounting	AS Business Administration	AS Computer Science
AS Criminal Justice	AS Electrical Engineering Technology	AS Health Science
AS Health Science (Pre-Nursing)	AS Health Science (Pre-Pharmacy)	AS Information Technology
AS Investigation & Security	AS Network Administration & Security	

Bachelor's Programs Table 3 (Beginning Fall Quarter 2019):
Bachelor of Business Administration (w/Concentrations)
BS Computer Science (w/Concentrations)
BS Criminal Justice
BS Cybersecurity
BS Information Technology (w/Concentrations)

Certificate Programs Table 3 (Beginning Fall Quarter 2019):
CERT Criminal Justice (Grad)
CERT Public Administration for CMJ Professionals (Grad)

Table 3 Tuition Rates

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$3975**
6-9 Credit Hours	**$3200**
1-5 Credit Hours	**$2100**
Each Credit Above 20	**$310 per credit**

Bachelor's Programs Table 4 (Beginning Fall Quarter 2019):

BS Dental Hygiene	BS Health Science	BS Health Science (Post-PTA)
BS Health Science (Pre-PA)	BS Health Science (Pre-PT)	BS Nursing (RN/BSN)

Master's Programs Table 4 (Beginning Fall Quarter 2019):

Master of Business Administration (w/Concentrations)	MS Criminal Justice (w/Concentration)
MS Information Technology	MEd Teacher as Instructional Leader

MS Nursing (w/Concentrations Nurse Executive and Family Nurse Practitioner)

Educational Specialist Programs Table 4 (Beginning Fall Quarter 2019):
EdS Teacher Leadership in Schools

Table 4 Tuition Rates

Credit Load	2019-2020 Quarterly Tuition
10-20 Credit Hours	**$5500**
6-9 Credit Hours	**$3950**
1-5 Credit Hours	**$2100**
Each Credit Above 20	**$310 per credit**

Fees - All Students

FEES	2019-20
Application	**$95 PA** **$60 Pharmacy and DPT** **$50 All Other Programs**
Credit by Examination	**$50 Computer Related Courses** **$150 Other Approved Courses**
Transcript	**$10**
Graduation	**$200** **($300 Pharmacy and DPT)**
Technology Fee	**$175 per quarter**

Fee - Dental Students

FEES	2019-20
CERT Dental Assisting Student Fee	**$150 per quarter**
AS Dental Hygiene Student Fee	**$400 per quarter**

Page 25 – Addition of New Programs to Tuition List

Online Program Tuition Rates
Associate of Science in Computer Science – Table 3
Bachelor of Science in Computer Science (w/Concentrations) – Table 3
Bachelor of Science in Cybersecurity – Table 3
Bachelor of Science in Dental Hygiene – Table 4

Page 26 – Change to Technology Fee

Beginning summer quarter 2019 for students in the Doctor of Pharmacy and Doctor of Physical Therapy and fall quarter 2019 for students in all other programs, the Technology Fee is $175 per quarter.

Page 27 – Addition to Current Text of Official Withdrawal Procedure

A withdrawal is considered to be official when a student notifies the office of the Registrar or the Dean of Academic and Student Services. No other college official has the authority to accept official withdrawals. Students who do not officially withdraw will be considered enrolled in courses until an appropriate academic participation verification point. If it is determined a student is no longer academically participating at the regular check points, the student will be officially withdrawn by the college. Students are strongly encouraged to first speak with the School/Department Advisor in order to gain full understanding of the affects that the withdrawal has on their standing and options for future enrollment.

Page 41 – Addition to Grievance Procedures

Complaint Resolution Policies and Procedures for Non-Tennessee Resident Students in State Authorization Reciprocity Agreement **States, commonly known as SARA.**

Student complaints relating to consumer protection laws that involve distance learning education offered under the terms and conditions of the State Authorization Reciprocity Agreement (SARA), must first be filed with the institution to seek resolution. Complainants not satisfied with the outcome of the Institution's internal process may appeal, within two years of the incident about which the complaint is made, to the Tennessee Higher Education Commission (https://www.tn.gov/thec/bureaus/student-aid-and-compliance/postsecondary-state-authorization/request-for-complaint-review.html). For purposes of this process, a complaint shall be defined as a formal assertion in writing that the terms of SARA or the laws, standards or regulations incorporated by the SARA Policies and Standards (http://www.nc-sara.org/content/sara-manual) have been violated by the institution operating under the terms of SARA. For a list of SARA member States, please visit the NC-SARA website (http://nc-sara.org/sara-states-institutions). Students residing in non-SARA states should consult their respective State of residence for further instruction for filing a complaint.

Page 43 – Additions to Title IX Policy and Procedures

Reporting Policies and Protocols Addition/Revision
Revise Deputy Title IX Coordinator at the Main Campus and Parkside Learning Site to:
Ms. Christina Jones, Director of Student Services
3904 Lonas Drive, Knoxville, TN 37909
cjones4@south.edu, 865-293-4539

When a student or employee reports to the institution an alleged instance of sexual misconduct, the institution will provide the student or employee with the published Title IX Policy or Employee Handbook Sexual Harassment policy explaining policies, procedures, rights, and options.

It is important to report timely and to preserve evidence that may assist in proving that the alleged criminal offense occurred or may be helpful in obtaining a protection order.

Page 44
Determining Confidentiality Addition
Required reporting, such as Clery Act reporting, will be completed without the inclusion of personally identifiable information about any victim.

Any accommodations or protective measures provided to a victim will be kept confidential, to the extent that maintaining such confidentiality would not impair the ability of the institution to provide the accommodation or protective measure.

Page 65 – Addition of Programs

Baccalaureate Degree Programs:

Online - Bachelor of Science in Computer Science
Concentrations Available in:
Data Science
Network Security
Software Engineering
Mobile & Web Development
Artificial Intelligence
Blockchain & Cloud Computing

Online – Bachelor of Science in Cybersecurity

Additional Concentrations for the Bachelor of Science in Information Technology
Data Analytics
IT Management
Networking

Associate Degree Programs:

Online - Associate of Science in Computer Science
Onground or Hybrid – Surgical Technology

Certificate Programs:

Onground – Nuclear Medicine (RT and NON-RT Options)

Page 66 – Addition of Program Option

Onground – Bachelor of Science in Health Science w/Concentration in Nuclear Medicine (RT and Non-RT Tracks Available) (BS)

Page 68 – Addition of Program

Baccalaureate Degree Programs:

Online – Bachelor of Science in Dental Hygiene (BS)

Page 69 – Addition of Program and Program Option

Baccalaureate Degree Programs:

Hybrid (Onground Major) – Bachelor of Science in Nursing (BS) (Traditional and LPN/BSN Options)

Associate Programs:

Hybrid – Medical Assisting (AS)

Certificate Programs:

Hybrid – Medical Assisting

Page 70 – Addition of Program Description – AS Computer Science

Associate of Science
COMPUTER SCIENCE

The Associate of Science in Computer Science program designed is to provide organizations with individuals who can evaluate, plan, and configure software solutions according to business needs while understanding the importance of clear communication, critical thinking, and continuous professional development.

LEARNING OUTCOMES

Through completion of the Associate of Science in Computer Science program, students will:

1. Design a computer-based system, process, component, or program to meet business needs.
    a. Analyze a problem and identify and define the computing requirements appropriate to its solution.
    b. Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems.
    c. Apply design and development principles in the construction of software systems.
    d. Utilize current techniques, skills, and tools necessary for computing practice.
2. Communicate effectively with a range of audiences.
3. Recognize the need for and an ability to engage in continuing professional development.

Page 73 – Addition of Program Descriptions – BS Computer Science (with Concentrations) an BS Cybersecurity

Bachelor of Science
COMPUTER SCIENCE

The Bachelor of Science in Computer Science program designed to provide organizations with individuals who can critically plan, implement, and manage software solutions to meet the business needs of users, customers, or organizational infrastructure, while understanding the importance of critical thinking, teamwork, business analysis, problem-solving, and continuous professional development.

LEARNING OUTCOMES

Through completion of the Bachelor of Science in Computer Science program, students will:

1. Design a computer-based system, process, component, or program to meet business needs.
    a. Analyze a problem and identify and define the computing requirements appropriate to its solution.
    b. Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems.
    c. Apply design and development principles in the construction of software systems of varying complexity.
    d. Demonstrate comprehension of the tradeoffs involved in design choices.
    e. Utilize current techniques, skills, and tools necessary for computing practice.
2. Analyze the local and global impact of computing on individuals, organizations, and society.
3. Describe professional, ethical, legal, security, and social issues and responsibilities related to computing.
4. Demonstrate appropriate written and oral communication of technology concepts to a wide audience.
5. Perform effectively on a team to accomplish a common goal.
6. Recognize the need for and an ability to engage in continuing professional development.

Bachelor of Science
CYBERSECURITY

The Bachelor of Science in Cybersecurity program is designed to provide organizations with individuals who can critically evaluate and plan security infrastructure for an organization, manage the security of corporate infrastructure, and provide crisis response and adaptation as security needs change.

LEARNING OUTCOMES

Through completion of the Bachelor of Science in Cybersecurity program, students will:

1. Secure a computer-based system, process, component, or program to meet business needs.
    a. Analyze a problem and identify and define the security risks and requirements appropriate to its solution.
    b. Apply mathematical foundations, algorithmic principles, cryptography, and computing theory in the modeling and design of security solutions for software or system architecture.

c. Apply design and development principles in the construction of secure software systems of varying complexity.
d. Demonstrate comprehension of the tradeoffs involved in the application of security.
e. Gather evidence and plan an appropriate response to a cybersecurity attack on a system or organization.
f. Apply current techniques, skills, and tools necessary for cyber defense within an organization.

2. Analyze the local and global impact of computing on individuals, organizations, and society.
3. Describe professional, ethical, legal, security, and social issues and responsibilities related to computing.
4. Demonstrate appropriate written and oral communication of technology concepts to a wide audience.
5. Perform effectively on a team to accomplish a common goal.
6. Recognize the need for and an ability to engage in continuing professional development.

Page 76 – Addition of Program Curriculum – AS Computer Science

The Associate of Science in Computer Science degree program is currently offered Online.

Associate of Science
COMPUTER SCIENCE

BS Cybersecurity Curriculum……. 90 credits			
Area I – Core Curriculum……..……46 credits			
Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer & Information Literacy	4.5
Humanities	Approved Humanities Electives		4.5
Mathematics	MAT 1100	College Algebra	4.5
	MAT 2501	Statistics	4.5
Personal Development	SCC 1010	College Management	2
	SCC 2120	Professional Development	2
Science	PHY 2010	General Physics I	4
	PHY 2020	General Physics I Lab	2
Social Science	Approved Social Science Elective		4.5
Written Communication	ENG 1201	English Composition	4.5
	ENG 1211	English Composition with Research	4.5
Area II – Major Curriculum……..……..44 credits			
(A minimum grade of C is required in all major courses)			
	CST 1051	Database Applications	4.5
	CST 1100	Introduction to Software Engineering	4.5
	CST 1400	Computer Architecture	4
	CST 1411	Introduction to Networking	4.5
	CST 1200	Data Structures	4.5
	CST 1800	Operating Systems	4
	CST 2100	Introduction to Algorithms	4.5
	CST 2200	Programming Languages	4.5
	CST 2501	Windows Server	4.5
	INT 2120	Introduction to Scripting	4.5

Page 82 – Addition of Program Curricula – BS Computer Science and BS Cybersecurity

Bachelor of Science
COMPUTER SCIENCE

BS Cybersecurity Curriculum……182 Credits (With Concentrations See Below)
Area I – Core Curriculum……..……70.5 credits

Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer & Information Literacy	4.5
Humanities	Approved Humanities Electives		9
Mathematics	MAT 1100	College Algebra	4.5
	MAT 2501	Statistics	4.5
	MAT 2550	Precalculus	2
	MAT 2601	Calculus	4.5
	MAT 2700	Discrete Math	4.5
Personal Development	SCC 1010	College Management	2
	SCC 2120	Professional Development	2
Science	PHY 2010	General Physics I	4
	PHY 2020	General Physics I Lab	2
Social Science	Approved Social Science Elective		13.5
Written Communication	ENG 1201	English Composition	4.5
	ENG 1211	English Composition with Research	4.5

Area II – Major Curriculum……..……..111.5 credits
(A minimum grade of C is required in all major courses)

CST 1051	Database Applications	4.5
CST 1100	Introduction to Software Engineering	4.5
CST 1400	Computer Architecture	4
CST 1411	Introduction to Networking	4.5
CST 1200	Data Structures	4.5
CST 1800	Operating Systems	4
CST 2100	Introduction to Algorithms	4.5
CST 2200	Programming Languages	4.5
CST 2501	Windows Server	4.5
CST 3110	Computer Programming	4.5
CST 3210	Advanced Computer Programming Concepts	4.5
CST 4000	Analysis of Algorithms	4.5
CST 4800	Software System Evaluation	4.5
CST 4900	Software System Construction	4.5
INT 2120	Introduction to Scripting	4.5
INT 3110	Communications for IT Professionals	4.5
INT 3120	Advanced Mathematical Reasoning for IT	4.5
INT 3130	Business Systems Analysis	4.5
	Programming Language Elective**	4.5
	Elective/Concentration Courses+	27

** The Bachelor of Science in Computer Science requires students to take a course with deep coverage of a specific programming language. The options for this elective are as follows:

- CST 3501 Programming in Java
- CST 3502 Programming in C++

[+]Program Elective Courses for the Bachelor of Science Computer Science include the choice of any concentration course at the 3000/4000 level. Specific courses for each concentration within the Bachelor of Science in Computer Science are as follows:

- Concentration in Data Science:
  - INT 4511 Management Science 4.5
  - INT 4521 Predictive Analytics 4.5
  - INT 4531 Business Intelligence 4.5
  - INT 4210 Relational Databases 4.5
  - INT 4110 Database Systems 4.5
  - CST 4101 Big Data Analytics 45.
- Concentration in Network Security:
  - INT 3220 Network and Telecommunications 4.5
  - INT 3310 Cybersecurity 4.5
  - INT 4130 Virtual Computing 4.5
  - INT 4220 Advanced Systems Administration 4.5
  - INT 4120 IT Management 4.5
  - CST 4111 Secure Software Design 4.5
- Concentration in Software Engineering:
  - INT 3201 Object-Oriented Programming 4.5
  - BBA 3611 Project Management 4.5
  - BBA 3051 Management and Organizational Behavior 4.5
  - INT 4220 Advanced Systems Administration 4.5
  - CST 4121 Requirements Analysis 4.5
  - BBA 4051 Operations Management 4.5
- Concentration in Mobile and Web Development:
  - INT 3101 Introduction to Web Design 4.5
  - INT 3201 Object-Oriented Programming 4.5
  - INT 3301 Advanced Web Design 4.5
  - INT 3501 Graphic Editing 4.5
  - CST 4131 Mobile App Development 4.5
  - CST 4152 Cloud Service Architecture 4.5
- Concentration in Artificial Intelligence:
  - INT 4130 Virtual Computing 4.5
  - INT 3201 Object-Oriented Programming 4.5
  - INT 4521 Predictive Analytics 4.5
  - CST 4141 Machine Learning 4.5
  - CST 4142 Artificial Intelligence 4.5
  - CST 4143 Decision Networks and Graphs 4.5
- Concentration in Blockchain and Cloud Computing:
  - INT 3220 Network and Telecommunications 4.5
  - INT 4220 Advanced Systems Administration 4.5
  - CST 4101 Big Data Analytics 4.5
  - INT 4521 Predictive Analytics 4.5
  - CST 4151 Blockchain 4.5
  - CST 4152 Cloud Service Architecture 4.5

Bachelor of Science
CYBERSECURITY

BS Cybersecurity Curriculum…….……..…….……. 182 credits
Area I – Core Curriculum……..……70.5 credits

Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer & Information Literacy	4.5
Humanities	Approved Humanities Electives		9

Mathematics	MAT 1100	College Algebra	4.5
	MAT 2501	Statistics	4.5
	MAT 2550	Pre-Calculus	2
	MAT 2601	Calculus	4.5
	MAT 2700	Discrete Math	4.5
Personal Development	SCC 1010	College Management	2
	SCC 2120	Professional Development	2
Science	PHY 2010	General Physics I	4
	PHY 2020	General Physics I Lab	2
Social Science	Approved Social Science Electives		13.5
Written Communication	ENG 1201	English Composition	4.5
	ENG 1211	English Composition with Research	4.5

Area II – Major Curriculum……..…….111.5 credits

(A minimum grade of C is required in all major courses)

CST 1041	Spreadsheet Applications	4.5
CST 1051	Database Applications	4.5
CST 1400	Computer Architecture	4
CST 1411	Introduction to Networking	4.5
CST 1800	Operating Systems	4
CST 2400	Programming Languages	4.5
CST 2501	Windows Server	4.5
CST 3111	Digital Forensics	4.5
CST 3120	User Interface & User Experience Design	4.5
CST 4000	Analysis of Algorithms	4.5
CST 4111	Secure Software Design	4.5
CST 4121	Requirements Analysis	4.5
CST 4141	Machine Learning	4.5
CST 4152	Cloud Service Architecture	4.5
CST 4500	Applied Cryptography	4.5
CST 4510	Software Reverse Engineering	4.5
CST 4520	Cyber Defense Strategy	4.5
INT 1110	Fundamentals of Information Technology	4.5
INT 2110	Introduction to Applications Development	4.5
INT 2120	Introduction to Scripting	4.5
INT 2210	System Administration & Maintenance	4.5
INT 3110	Communications for IT Professionals	4.5
INT 3120	Advanced Mathematical Reasoning for IT	4.5
INT 3310	Cybersecurity	4.5
INT 4130	Virtual Computing	4.5

Page 175 – Addition of Program Offered at Atlanta Campus – AS Medical Assisting and CERT Medical Assisting – Beginning January 2020

Associate of Science
MEDICAL ASSISTING

AS Medical Assisting Curriculum…..……..….91 credits

Area I – Core Curriculum……..……..…….46 credits

Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer & Information Literacy	4.5

Humanities	Approved Humanities Elective		4.5
Mathematics	MAT 1100	College Algebra	4.5
Personal Development	SCC 1010	College Management	2
	SCC 2120	Professional Development	2
Social Science	PSY 1811	General Psychology	4.5
	SOC 1861	Introduction to Sociology	4.5
Written Communication	ENG 1201	English Composition	4.5
	ENG 1211	English Composition with Research	4.5
Elective	Approved Electives		6
Area II – Major Curriculum……..…….……45 credits			
	AHS 1010	Medical Terminology	4
	AHS 1200	A&P for Allied Health	4
	MAS 1850	Medical Law & Ethics & MA Foundations	4
	MAS 1870	Pharmacology	4
	MAS 1890	Medical Office Administration	3
	MAS 1930	Medical Insurance & Diagnostic Coding	4
	MAS 2010	Medical Assisting I	6
	MAS 2020	Medical Assisting II	6
	MAS 2050	Medical Assisting Practicum	6
	MAS 2130	Diseases of the Human Body	4

Certificate
MEDICAL ASSISTING

CERT Medical Assisting Curriculum…..……..….39 credits			
	AHS 1010	Medical Terminology	4
	AHS 1200	A&P for Allied Health	4
	MAS 1850	Medical Law & Ethics & MA Foundations	4
	MAS 1890	Medical Office Administration	3
	MAS 1930	Medical Insurance & Diagnostic Coding	4
	MAS 2010	Medical Assisting I	6
	MAS 2020	Medical Assisting II	6
	MAS 2050	Medical Assisting Practicum	6
	SCC 2120	Professional Development	2

Page 188 – Curriculum Revision for BS Nursing (Traditional, LPN/BSN, and Accelerated Options) for Knoxville and Nashville (Beginning Fall 2019)

Bachelor of Science
NURSING
Traditional Option
(Knoxville, Nashville)

Nursing Curriculum……..……..180 credits			
Area I – Core Curriculum……..……..87 credits			
Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer and Information Literacy	4.5
Humanities	Approved Humanities Electives		9

Mathematics	MAT 1100	College Algebra	4.5
	MAT 2501	Statistics	4.5
Personal Dev	SCC 1010	College Management	2
Science	BIO 1110	Anatomy & Physiology I	4
	BIO 1120	Anatomy & Physiology I Lab	2
	BIO 1130	Anatomy & Physiology II	4
	BIO 1140	Anatomy & Physiology II Lab	2
	BIO 1160	Microbiology	4
	BIO 1170	Microbiology Lab	2
	CHM 1010	General Chemistry I	4
	CHM 1020	General Chemistry I Lab	2
	HSC 2051	Nutrition for Health and Disease	4.5
Social Science	PSY 1811	General Psychology	4.5
	PSY 1821	Human Growth and Development	4.5
	SOC 1861	Introduction to Sociology	4.5
Written Communications	ENG 1201	English Composition	4.5
	ENG 1211	English Composition w/Research	4.5
Elective	Approved Electives		7
Area II Major Curriculum……93 credits			
Quarter 1	NSG 3113	Pathophysiology for Nurses	4
	NSG 3133	Physical Assessment	5
	NSG 3153	Pharmacotherapeutics for Nursing Practice I	5
Quarter 2	NSG 3213	Fundamentals of Nursing	8
	NSG 3233	Mental Health Nursing	6
	NSG 3253	Pharmacotherapeutics for Nursing Practice II	5
Quarter 3	NSG 3313	Adult Health Nursing I	7
	NSG 3332	Maternal Infant Nursing Care	6
	NSG 3352	Nursing Research	4
Quarter 4	NSG 4413	Adult Health Nursing II	7
	NSG 4432	Pediatric Nursing Care	6
	NSG 4452	Policy and Politics	3
Quarter 5	NSG 4513	Adult Health Nursing III	7
	NSG 4533	Community Nursing	5
	NSG 4552	Nursing Management & Leadership	3
Quarter 6	NSG 4613	Adult Health Practicum	5
	NSG 4633	Transition to Professional Practice	7

Bachelor of Science
NURSING
Accelerated BSN Option*
(Knoxville, Nashville)

Area I – Core Curriculum……87 credits		
	Computer Literacy	4.5
	Mathematics	9
	Written Communications	9
	Communications	4.5
	Humanities	9
	Social Science	13.5
	Science/Anatomy & Physiology (with lab)	12

		Science/Microbiology (with lab)	6
		Science/Chemistry (with lab)	6
		Science/Nutrition	4.5
		Electives	9
Area II Major Curriculum……..……..93 credits**			
Quarter 1	NSG 3113	Pathophysiology for Nurses	4
	NSG 3133	Physical Assessment	5
	NSG 3153	Pharmacotherapeutics for Nursing Practice I	5
Quarter 2	NSG 3213	Fundamentals of Nursing	8
	NSG 3233	Mental Health Nursing	6
	NSG 3253	Pharmacotherapeutics for Nursing Practice II	5
Quarter 3	NSG 3313	Adult Health Nursing I	7
	NSG 3332	Maternal Infant Nursing Care	6
	NSG 3352	Nursing Research	4
Quarter 4	NSG 4413	Adult Health Nursing II	7
	NSG 4432	Pediatric Nursing Care	6
	NSG 4452	Policy and Politics	3
Quarter 5	NSG 4513	Adult Health Nursing III	7
	NSG 4533	Community Nursing	5
	NSG 4552	Nursing Management & Leadership	3
Quarter 6	NSG 4613	Adult Health Practicum	5
	NSG 4633	Transition to Professional Practice	7

*For students with baccalaureate degrees in non-nursing fields and who have met BSN admission requirements, including general education requirement for Accelerated BSN Option.

Bachelor of Science
NURSING
LPN/BSN Option*
(Knoxville, Nashville)

Nursing Curriculum…….…180 credits			
Area I – Core Curriculum……87 credits			
		Computer Literacy	4.5
		Mathematics	9
		Written Communications	9
		Communications	4.5
		Humanities	9
		Social Science	13.5
		Science/Anatomy & Physiology (with lab)	12
		Science/Microbiology (with lab)	6
		Science/Chemistry (with lab)	6
		Science/Nutrition	4.5
		NSG 2030 Introduction to Professional Nursing*	4
		Electives	5
Area II Major Curriculum……93 credits			
Quarter 1	NSG 3113	Pathophysiology for Nurses	4
	NSG 3133	Physical Assessment	5
	NSG 3153	Pharmacotherapeutics for Nursing Practice I	5
Quarter 2	NSG 3213	Fundamentals of Nursing*	8
	NSG 3233	Mental Health Nursing	6
	NSG 3253	Pharmacotherapeutics for Nursing Practice II	5
Quarter 3	NSG 3313	Adult Health Nursing I	7
	NSG 3332	Maternal Infant Nursing Care	6
	NSG 3352	Nursing Research	4
Quarter 4	NSG 4413	Adult Health Nursing II	7

	NSG 4432	Pediatric Nursing Care	6
	NSG 4452	Policy and Politics	3
Quarter 5	NSG 4513	Adult Health Nursing III	7
	NSG 4533	Community Nursing	5
	NSG 4552	Nursing Management & Leadership	3
Quarter 6	NSG 4613	Adult Health Practicum	5
	NSG 4633	Transition to Professional Practice	7

*Upon successful completion of NSG 3213 Fundamentals of Nursing (8 Credits), students will receive credits for NSG 2030 Introduction to Professional Nursing (4 Core Credits) and NSG 3153 Pharmacotherapeutics for Nursing Practice I (5 Major Curriculum Credits).

Page 201 – Revised Curriculum for BS Nursing Offered at the Asheville Campus

Bachelor of Science
NURSING
Traditional Option
(Asheville)

Nursing Curriculum……..……..180 credits
Area I – Core Curriculum……..……..92 credits

Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer and Information Literacy	4.5
Humanities	Approved Humanities Electives		9
Mathematics	MAT 1100	College Algebra	4.5
	MAT 2501	Statistics	4.5
Personal Dev	SCC 1010	College Management	2
Science	BIO 1110	Anatomy & Physiology I	4
	BIO 1120	Anatomy & Physiology I Lab	2
	BIO 1130	Anatomy & Physiology II	4
	BIO 1140	Anatomy & Physiology II Lab	2
	BIO 1150	Pathophysiology	4
	BIO 1160	Microbiology	4
	BIO 1170	Microbiology Lab	2
	CHM 1010	General Chemistry I	4
	CHM 1020	General Chemistry I Lab	2
	HSC 2051	Nutrition for Health and Disease	4.5
Social Science	PSY 1811	General Psychology	4.5
	PSY 1821	Human Growth and Development	4.5
	SOC 1861	Introduction to Sociology	4.5
Written Communications	ENG 1201	English Composition	4.5
	ENG 1211	English Composition w/Research	4.5
Elective	Approved Electives		8

Area II Major Curriculum……88 credits

Quarter 1	NSG 3112	Fundamentals of Nursing I	6
	NSG 3132	Physical Assessment	4
	NSG 3152	Pharmacotherapeutics for Nursing Practice I	4
Quarter 2	NSG 3212	Fundamentals of Nursing II	6

	NSG 3232	Community Nursing	6
	NSG 3252	Pharmacotherapeutics for Nursing Practice II	4
Quarter 3	NSG 3312	Adult Health Nursing I	6
	NSG 3332	Maternal Infant Nursing Care	6
	NSG 3352	Nursing Research	4
Quarter 4	NSG 4412	Adult Health Nursing II	6
	NSG 4432	Pediatric Nursing Care	6
	NSG 4452	Policy and Politics	3
Quarter 5	NSG 4512	Adult Health Nursing III	6
	NSG 4532	Mental Health Nursing	6
	NSG 4552	Nursing Management & Leadership	3
Quarter 6	NSG 4612	Critical Care Nursing	8
	NSG 4632	Transition to Professional Practice	4

Page 207 – Addition of Certificate in Licensed Practical Nursing Offered at the Atlanta Campus (first cohort beginning June 2020

Certificate
LICENSED PRACTICAL NURSING
(Atlanta)

Total Curriculum……81 credits

Prerequisites		
AHS 1010	Medical Terminology	4
ENG 1201	English Composition	4.5
MAT 1100	College Algebra	4.5
PSY 1811	General Psychology	
Quarter 1		
NSG 1020	Human Body in Health & Disease for PN	4
NSG 1110	Vocational Relations I	2
NSG 1125	Fundamental Concepts & Skills for Practical Nurses I	6
Quarter 2		
NSG 1211	Pharmacology I	4
NSG 1220	Fundamental Concepts & Skills for Practical Nurses II	6
NSG 1230	Geriatric Nursing & Issues at End of Life	2
NSG 1240	Medical Surgical Nursing I	5
Quarter 3		
NSG 2311	Pharmacology II	4
NSG 2320	Mental Health Nursing	3
NSG 2330	Pediatric Nursing	3
NSG 2340	Medical-Surgical Nursing II	6
NSG 2351	Mental Health & Pediatric Simulation	2
Quarter 4		
NSG 2410	Pharmacology III (Online)	2
NSG 2420	Maternal Infant Nursing	4
NSG 2430	Vocational Relations II (Online)	2
NSG 2440	Medical Surgical Nursing III	6
NSG 2451	Maternal Infant & Medical-Surgical Simulation	2

Page 233 – Additional Information Doctor of Pharmacy Overview

As reflected in the current curriculum, required APPE rotations from the PharmD curriculum are 9. Approval of this reduction from 10 to 9 is applicable for the Classes of 2020 and 2021 – reducing the overall required credit hours from 178 to 174.

Page 272 – Revision to MHS Physician Assistant Studies Tuition and Fee

Quarterly tuition for the MHS Physician Assistant Studies program beginning fall quarter 2019 is $11,250. The total tuition is revised to $101,250. The quarterly Technology Fee for the program beginning fall quarter 2019 is $175. The total technology fee is revised to $1,575. The total program estimated cost is revised to $110,799 for Knoxville and Nashville. The total program estimated cost is revised to $110,649 for Atlanta.

Page 294 – Addition of AS in Surgical Technology Program Offered at Knoxville Campus beginning January 2020

Associate of Science
SURGICAL TECHNOLOGY
(Knoxville)

The Associate of Science in Surgical Technology program requires successful completion of 95.5 total quarter credit hours; and, is designed to be completed in six quarters over 18 months by full-time students. The curriculum requires a variety of general education courses, as well as foundational courses in anatomy and physiology, pharmacology and microbiology for the Surgical Technologist.

GOALS/LEARNING OUTCOMES

The goal of the South College Surgical Technology program is to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

1. The program will graduate students who are competent entry-level Surgical Technologists.
2. The program will graduate students who effectively communicate.
3. The program will graduate students who demonstrate professionalism and growth.

ACCREDITATION

The Surgical Technology program offered at the Knoxville campus is seeking accreditation by the Commission on Accreditation of Allied Health Education Programs Commission on Accreditation of Allied Health Education Programs, 25400 US Highway N, Suite 158 Clearwater, FL 33763, www.caahep.org, and (727) 210-2350. Accreditation must be awarded to the program prior to graduates being able to attempt the required certification examination to practice as a Surgical Technologist.

ADMISSION

Student applying to this program must:

1. Be generally admitted to South College;
2. Meet specific health and/or essential functions pertinent to the responsibilities performed by the Surgical Technologist;
3. Complete five (5) hours of observation in a surgery suite as scheduled/approved by the Program Director.
4. Students will be required to consent to a drug screening and background check prior to beginning clinical rotations. Failure to pass the screenings may disqualify a student as a candidate for admission.
5. Clinical sites are dispersed; students may have to drive outside of the Knoxville area for clinical rotations.

Students will be accepted on a conditional basis until all admission requirements are met. Readmission to the program is limited to one time on a space available basis.

The Associate of Science in Surgical Technology program curriculum below is offered at the Knoxville campus.

Associate of Science
SURGICAL TECHNOLOGY

Associate of Science in Surgical Technology Curriculum……..……95.5 credit hours
Area I – Core Curriculum…….……..43.5 credits

Communications	COM 1261	Effective Speaking	4.5
Computer Literacy	SCC 1031	Computer & Information Literacy	4.5
Humanities	Approved Humanities Elective		4.5
Mathematics	MAT 1100	College Algebra	4.5
Personal Development	SCC 1010	College Management	2
	SCC 2120	Professional Development	2
Science	AHS 1200A	Anatomy & Physiology for Allied Health	2
	AHS 1200B	Anatomy & Physiology for Allied Health	2
	STE 1050	Pharmacology	4
Social Science	Approved Social Science Elective		4.5
Written	ENG 1201	English Composition	4.5
Communication	ENG 1211	English Composition w/Research	4.5
Area II – Major Curriculum……..……..……52 credits			
	STE 1000	Introduction to Surgical Technology	3
	STE 1100	Patient Care Concepts I	3
	STE 1101	Patient Care Concepts I Lab	2
	STE 1105A	Surgical Clinical Care I	3.5
	STE 1105B	Surgical Clinical Care I	3.5
	STE 1200	Patient Care Concepts II	3
	STE 1201	Patient Care Concepts II Lab	2
	STE 1205	Surgical Procedures I	5
	STE 1300	Surgical Procedures II	5
	STE 1305A	Surgical Clinical Care II	3.5
	STE 1305B	Surgical Clinical Care II	3.5
	STE 1405	Surgical Clinical Care III	7
	STE 1500	Microbiology for the Surgical Technologist	3
	STE 2100	Surgical Procedures III	5

Page 313 – New Course Descriptions for CST

CST 1100 INTRODUCTION TO SOFTWARE ENGINEERING 2.5-2-0-4.5
This course explores the foundational history and change impact of computers in the context of the business environment. Topics introduced include foundational problem solving, algorithm development, software applications, and programming using a procedural language.

CST 1200 DATA STRUCTURES 2.5-2-0-4.5
This course explores techniques for representing information for processing in a programming language. Examples of the data structures covered include objects, classes, lists, trees, and graphs. An overview of programming language syntax and semantics will also be covered.
Prerequisite: INT2120 with a grade of C or better

CST 1411 INTRODUCTION TO NETWORKING 3.5-1-0-4.5
This course focuses on the fundamentals of networking. Topic areas emphasized include networking concepts, topologies, OSI Model, protocols, network devices, TCP/IP architecture, troubleshooting, and diagnostic tools. Students experience hands-on training to promote vendor independent networking skills and concepts that affect all aspects of computer networking.
Prerequisite: SCC 1031 with a grade of C or better

Page 314 – New Course Descriptions for CST

CST 2100 INTRODUCTION TO ALGORITHMS 2.5-2-0-4.5
This course introduces procedural solutions to solve computer problems. Sorting, searching, and hashing techniques are the focus as examples of algorithmic design and inherent tradeoffs in solving problems with computing.
Prerequisite: CST 1200 with a grade of C or better

CST 2400 PROGRAMMING LANGUAGES 2.5-2-0-4.5
This course explores pointers, memory management, and advanced programming language structures that are made possible by using high-level programming languages. Includes is a survey of different languages to explore options for operator overloading, iterators, multiple inheritance, polymorphism, templates, and virtual functions.
Prerequisite: CST 2100 with a grade of C or better

CST 2501 WINDOWS SERVER 3.5-1-0-4.5
This course is designed to provide the student with the knowledge and skills necessary to install and configure Microsoft Windows Server on computers that are part of a workgroup or domain. The student will learn to install, configure, manage, and troubleshoot Windows Server in a hand-on environment, with emphasis on network configuration, administration, and maintenance.
Prerequisite: CST 1800 with grade C or better

Page 315 – Course Prerequisite Change and New Course Descriptions for CST

CST 3110 Computer Programming prerequisite change from *Prerequisites: INT 2110, INT 2120, and INT 3120 with grades of C or better* to *Prerequisites: INT 2110/CST 2100, INT 2120, and INT 3120 with grades of C or better*.

CST 3111 DIGITAL FORENSICS 1.5-3-0-4.5
This course involves the investigation of computer-related crimes with the goal of obtaining evidence to be presented in a court of law. In this course, you will learn the principles and techniques for digital forensics investigation and the spectrum of available computer forensics tools.
Prerequisite: INT 3110 with a grade of C or better

CST 3120 USER INTERFACE & USER EXPERIENCE DESIGN 1.5-3-0-4.5
This course explores a design-centric approach to user interface and user experience design, and offers practical, skill-based instruction centered around a visual communications perspective. This includes both coding of the UI/UX elements and the visual layout and design.
Prerequisite: CST 2200 with a grade of C or better

CST 3501 PROGRAMMING IN JAVA 1.5-3-0-4.5
This course focuses on programming and application development using the selected programming language. Topics include formal specification of syntax and semantics, list processing, string manipulation, statement types, control structures, and interface procedures for this language.
Prerequisite: CST 2200 with a grade of C or better

CST 3502 PPROGRAMMING IN C++ 1.5-3-0-4.5
This course focuses on programming and application development using the selected programming language. Topics include formal specification of syntax and semantics, list processing, string manipulation, statement types, control structures, and interface procedures for this language.
Prerequisite: CST 2200 with a grade of C or better

CST 4000 ANALYSIS OF ALGORITHMS 2-2.5-0-4.5
This course covers techniques for the evaluation and design of efficient algorithms including evaluating options and tradeoffs for sorting, search trees, heaps, and hashing. Additional advanced algorithm techniques are introduced including divide-and-conquer, dynamic programming, greedy algorithms, amortized analysis, graph algorithms, and shortest paths.

Prerequisite: CST 2200 with a grade of C or better

CST 4101 BIG DATA ANALYTICS 3.5-1-0-4.5
This course focuses on the grounding principles of data science to gather information from extremely large data sets. Topics introduced include hypothesis testing, information extrapolation, regression analysis, forecasting, and A/B testing.
Prerequisite: CST 4000 with a grade of C or better

CST 4111 SECURE SOFTWARE DESIGN 3.5-1-0-4.5
This course explores threats to software information resources and fundamentals for securing applications with appropriate countermeasures. Topics include cryptography, identification, authentication, access control, and intrusion detection and prevention
Prerequisite: CST 4000 with a grade of C or better

CST 4121 REQUIREMENTS ANALYSIS 3.5-1-0-4.5
This course details the process of establishing software requirements to build systems correctly. Topics include use cases, stakeholder analysis, iterative prototyping, and the formalized statement and management of software system requirements.
Prerequisite: CST 4000 with a grade of C or better

CST 4131 MOBILE APP DEVELOPMENT 3.5-1-0-4.5
This course focuses on the unique challenges of developing software applications for mobile devices. Topics include accessing device capabilities, operating systems, and native functions on mobile platforms.
Prerequisite: CST 4000 with a grade of C or better

CST 4141 MACHINE LEARNING 3.5-1-0-4.5
This course examines methods to develop intelligent systems that can analyze data and focuses on modern examples of machine learning in action through examination of Siri, Amazon Alexa, and Google Home. Theoretical foundations and essential algorithms for foundational machine learning are also covered.
Prerequisite: CST 4000 with a grade of C or better

CST 4142 ARTIFICIAL INTELLIGENCE 3.5-1-0-4.5
This course examines how systems are classified as behaving "intelligently" by resulting in the correct path or answer in complex environments. This includes coverage of optimal pathways and influence, knowledge representation, reasoning, and learning. Additional topics include natural language processing, computer vision, and robotics.
Prerequisite: CST 4000 with a grade of C or better

CST 4143 DECISION NETWORKS & GRAPHS 3.5-1-0-4.5
This course covers normative approaches to uncertainty in artificial intelligence and includes a survey of probabilistic and causal modeling of artificial intelligence with Bayesian networks and influence diagrams.
Prerequisite: CST 4142 with a grade of C or better

CST 4151 BLOCKCHAIN 3.5-1-0-4.5
This course covers the foundational principles of blockchain and the blockchain ecosystem. Topics include security of blockchain, resource requirements, current applications, and estimated blockchain frontiers.
Prerequisite: CST 4000 with a grade of C or better

CST 4152 CLOUD SERVICE ARCITECTURE 3.5-1-0-4.5
This course covers the architecture behind cloud technology and how to leverage it within an application. The types of cloud computing including public, private, and hybrid cloud computing are explored. Additional topics include a comparison of cloud computing to standard client server technologies.
Prerequisite: CST 4000 with a grade of C or better

CST 4500 APPLIED CRYTOGRAPHY 3-1.5-0-4.5

This course focuses on the function of cryptographic systems and how to correctly use them in real-world applications. This includes discussion of two-party communication with a shared secret key and the effects of an adversary who eavesdrops and tampers with traffic. The course also discusses public-key techniques that let two parties generate a shared secret key.
Prerequisite: CST 4000 with a grade of C or better

CST 4510 SOFTWARE REVERSE ENGINEETING 3-1.5-0-4.5
This course examines the process of recovering the design, requirement specifications and functions of a product from an analysis of its code. The purpose of reverse engineering is to facilitate the maintenance work by improving the understandability of a system and to produce the necessary documentation or integration for a legacy system.
Prerequisite: CST 4000 with a grade of C or better

CST 4520 CYBER DEFENSE STRATEGY 3-1.5-0-4.5
This course focuses on communication of a cyber defense review and ongoing strategy to both technical and non-technical audience. The course topics focus on security and risk mitigation as part of corporate strategy. Topics in the course include black-box and white-box security, prioritization of vulnerabilities, breach preparation, risk assessment, and infrastructure analysis.
Prerequisite: CST 4000 with a grade of C or better

CST 4800 SOFTWARE SYSTEM EVALUATION 1.5-3-0-4.5
This course covers project planning, requirements analysis, design, and specification of a computing problem chosen by the student and instructor that is solvable with a software system; completion of this course leads to implementation of the solution in CST 4900.
Prerequisite: CST 4000 with a grade of C or better (should be taken in next to last quarter)

CST 4900 SOFTWARE SYSTEM CONSTRUCTION 1.5-3-0-4.5
This course covers computer system implementation, testing, verification, and validation of results for the problem solution composed in CST 4800. Students are expected to have a working software system or prototype upon exiting this course.
Prerequisite: CST 4800 with a grade of C or better (should be taken in last quarter)

Page 324 – Addition/Removal DPT Course Descriptions

Addition
DPT 6671 ADVANCED CLINICAL PRACTICE – EXAMINING THE COMPLEX PATIENT 3-0-0-3
This course explores the therapist's role as an interdependent practitioner working within a collaborative medical model. Inherent in the responsibilities associated with this role is the ability to recognize clinical manifestations necessitating contact with other healthcare professionals regarding a client's health status. A proposed examination and a proposed patient management provides framework for 1) The structure for our discussion, presenting the clinical tools and decision-making processes necessary to more efficiently and effectively collect and evaluate the examination data, 2) Professional communication with the client and other health care professionals, and 3) Patient case presentations in this course as a means of applying differential diagnostic principles and promoting clinical decision-making.
Prerequisite: Successful completion of Quarter 5 courses

Removal
DPT 6711 PRIMARY CARE PHYSICAL THERAPY

Page 325 - Addition/Removal DPT Course Descriptions

Addition
DPT 6730 BUSINESS MANAGEMENT 2-0-0-2
This course provides an overview of practice management fundamentals and applies these principles to various aspects of leadership, strategic planning, business operations, and consultative services. Students will gain

knowledge of health care management and leadership, strategic planning, human resources, finance, legal and ethical issues, organization structures and fiscal management as they relate to physical therapy practice. This course provides instruction for effective team leadership techniques to prepare students for leadership roles early in their career. Students are exposed to the highest caliber of business training and practical applications to help build a strategic, competitive advantage in the marketplace. Students learn the initial building blocks necessary to build a thriving private practice or run a hospital department and are exposed to a community of evidence-based practitioners, business owners, and hospital administrators who represent the best business practices in the physical therapy industry. Students are also exposed to the broader aspects of the U.S. health care system: the organization, financing, and delivery of services in both for profit and not for profit settings. Discussion includes key management and policy issues in contemporary health systems and a discussion of public policy and its impact on the provision of rehabilitative services.
Prerequisite: Successful completion of Quarter 6 courses

Removal
DPT 6811 BUSINESS MANAGEMENT AND ENTREPRENEURSHIP

Page 337 – Revision of Course Prerequisites

INT 3101 Introduction to Web Design prerequisite change from *Prerequisite: CST 2610 with a grade of C or better* to *Prerequisite: CST 1411 or CST 2610 with a grade of C or better.*

INT 3130 Business Systems Analysis prerequisite change from *Prerequisite: INT 1110 and INT 2110 with grades of C or better* to *Prerequisites: INT 1110 and INT 2110/CST 2100 with grades of C or better.*

INT 3220 Network & Telecommunications prerequisite change from *Prerequisites: CST 1410 and INT 1110 with grades of C or better* to *Prerequisites: CST 1411 and INT 1110 with grades of C or better.*

Page 338 – Revision of Course Prerequisites and Addition of New Course Descriptions for INT

INT 4220 Advanced Systems Administration prerequisite change from *Prerequisites: INT 2120, INT 2210, INT 3310, and INT 4130 with grades of C or better* to *Prerequisites: INT 2120, INT 2210/INT 3130, INT 3310, and INT 4130 with grades of C or better.*

INT 3421 ADVANCED WINDOWS SERVER 2.5-2-0.4.5
This course provides the skills and knowledge necessary to design and implement a Windows Server 2012 R2 infrastructure in a business environment. This course covers the knowledge and skills needed to provide an enterprise solution that supports manual and automated server installations in a physical and virtual environment including the supporting file and storage services. Students will learn the skills necessary to provide enterprise networking solutions such as DHCP, IPAM, VPN, and DirectAccess.
Recommended Prerequisite: CST 2500 with a C or better.

INT 3431 WIRELESS NETWORKS 2.5-2-0-4.5
This course covers advanced topics in networking with an emphasis on securing wireless and IP networks. Students analyze algorithms and protocols, improve existing solutions, and evaluate existing solutions using theoretical analysis and simulations. Students become familiar with modern networking architectures.
Prerequisite: CST 2500 with a C or better

INT 3441 NETWORK SECURITY 2.5-2-0-4.5
In this course, student gain an overview of network security defense techniques and countermeasures and develop communication and analytical skills through the discussion and debate of a variety of topics, such as cryptanalysis and attacks, safety of wireless connections, intrusion detection methods, and access control. Students engage in assignments designed to provide practical applications of content, such as the design and configuration of firewalls, traffic analysis and filtering, intrusion detection, statistical anomaly detection, and wireless security.
Prerequisite: Permission of the Dean

INT 3451 NETWORKING PLANNING MAINTENANCE 4.5-0-0-4.5
In this course, students learn about the specifics of planning, maintaining, and auditing data communications and networks in an organization. Students engage in assignments focusing on business planning, long- and short-term planning, operations, maintenance, and forecasting. They also explore topological design, network synthesis, and network realization.
Prerequisite: Permission of the Dean
Page 345 – New Course Description for MAT

MAT 2700 DISCRETE MATHEMATICS 4.5-0-0-4.5
This course covers discrete structures that are used throughout computer science and information technology. Topics include logic, proofs, sets, relations, functions, counting, and probability, with an emphasis on application.
Prerequisite: MAT 2501

Page 351 – Addition/Revision of Nursing Course Descriptions

Revise NSG 1210 Pharmacology I credit distribution from 3-0-0-3 to 2-1-0-3.

NSG 1211 PHARMACOLOGY I 3-1-0-4
Pharmacology I is the first of three Pharmacology course that are designed to provide the right level and depth of pharmacology content for the practical nursing students. Content include current information on new drugs, procedures, regulations and issues that provide a strong foundation of essential knowledge for the safe, effective administration of drugs. Dosage calculation and medication administration, nursing process and patient education are emphasized throughout the course. Software programs may be used to provide simulative real-life experience to aid student learning.
Prerequisite: Successful completion of first quarter of PN courses
Co-requisites: NSG 1220, NSG 1230, NSG 1240

Page 352 – Addition/Revision of Nursing Course Descriptions

Revise NSG 2310 Pharmacology II credit distribution from 3-0-0-3 to 2-1-0-3.

NSG 2311 PHARMACOLOGY II 3-1-0-4
Pharmacology II is the second of three Pharmacology courses that are designed to provide the right level and depth of pharmacology content for the practical nursing students. Content include current information on new drugs, procedures, regulations and issues that provide a strong foundation of essential knowledge for the safe, effective administration of drugs. Dosage calculation and medication administration, nursing process and patient education are emphasized throughout the course. Software programs may be used to provide simulative real-life experience to aid student learning.
Prerequisite: Successful completion of second quarter of PN courses
Co-requisites: NSG 2320, NSG 2330, NSG 2340, NSG 2350

NSG 2351 MENTAL HEALTH & PEDIATRIC SIMULATION 0-0-2-2
Clinical simulation provides a controlled environment in which students can practice the nursing process and sharpen their critical thinking and decision-making skills before caring for real patients in the clinical setting. Students are challenged to work in teams, communicate, and intervene for patients in carefully designed scenarios. Care planning, electronic medical record review and real-time documentation, SBAR communication, therapeutic communication and technical nursing skills are enhanced in these scenarios. Concepts of safety, quality, best practices, patient centered care, cultural competence and developmentally appropriate care are integrated. A critical component of simulation is debriefing after each simulation which promotes reflection and self-assessment of the experience. Scenarios are developed to prepare students for real world encounters in mental health and pediatric nursing.
Prerequisite: Successful completion of second quarter of PN courses

---

Page 353 – Addition of Nursing Course Descriptions

NSG 2451 MATERNAL INFANT & MEDICAL SURGICAL SUMULATION 0-0-2-2
Clinical simulation provides a controlled environment in which students can practice the nursing process and sharpen their critical thinking and decision-making skills before caring for real patients in the clinical setting. Students are challenged to work in teams, communicate, and intervene for patients in carefully designed scenarios. Care planning, electronic medical record review and real-time documentation, SBAR communication, therapeutic communication and technical nursing skills are enhanced in these scenarios. Concepts of safety, quality, best practices, patient centered care, cultural competence and developmentally appropriate care are integrated. A critical component of simulation is debriefing after each simulation which promotes reflection and self-assessment of the experience. Scenarios are developed to prepare students for real world encounters in Maternal Infant and complex challenging Medical Surgical practice.
Prerequisite: Successful completion of second quarter of PN courses
Co-requisites: NSG 2410, NSG 2420, NSG 2430, NSG 2440

Page 354 – Addition of Nursing Course Descriptions

NSG 3113 PATHOPHYSIOLOGY FOR NURSING 4-0-0-4
Pathophysiology for Nurses focuses on the basic understanding of pathophysiology related to human illness with an emphasis placed on cellular alterations in organ systems as they relate to selected disease states. Opportunities will be presented that provide for the use of critical thinking processes to analyze diverse client presentations of selected illness for symptomatology, pathophysiology, and health care implications
Prerequisites: Admission to the Nursing Program
Co-Requisites: NSG3133, NSG 3153

NSG 3133 PHYSICAL ASSESSMENT 3-1-1-5
Physical Assessment instills beginning nursing students with concepts, skills, and techniques needed for history–taking, physical examination, health promotion, and clinical assessment. Using critical thinking and communication skills, the student will begin to collect, organize, and analyze complex client assessment data. The nursing process is considered within each topic, as appropriate. Students practice and apply theoretical knowledge and competencies in the simulation laboratory and then integrate the knowledge and competencies while assessing clients in the healthcare setting. Throughout the course, students demonstrate competence of health assessments and vital signs and are validated through skill performance assessments.
Prerequisites: Admission to the Nursing Program
Co-Requisites: NSG3113, NSG 3153

NSG 3153 PHARMACOTHERAPEUTICS FOR NURSING PRACTICE I 4-1-0-5
Pharmacotherapeutics for Nursing Practice I provides an in-depth systems approach to the study of therapeutic drugs and their major classifications. Current pharmacological principles, therapeutic effect, drug interactions, and adverse effects are emphasized. Performance of accurate calculation of drug dosages and documentation is required. The role of the nurse in administering medication, client education, cultural diversity, and drug abuse prevention is addressed. Students practice and apply theoretical knowledge and competencies in the simulation laboratory. Throughout the course, students demonstrate competence of medication administration and validated through skill performance assessment.
Prerequisites: Admission to the Nursing Program
Co-Requisites: NSG3113, NSG 3133

NSG 3213 FUNDAMENTALS OF NURSING 5-1-2-8
Fundamentals of Nursing provides students with the opportunities to learn and develop basic competencies necessary to facilitate the optimal well-being of the client within the healthcare setting in a safe, legal, and ethical manner. The role of the professional nurse and communication is emphasized. Students learn to implement the nursing process and to integrate, at a beginning level, essential competencies to promote holistic care of clients. Health promotion, disease prevention, and restorative nursing care are considered within each topic, as appropriate. The concepts evolve from simple to complex and include critical thinking, hygiene, activity, vital signs, infection control, client education, urinary and bowel elimination, stress and adaptation, sensory alterations, surgical care, rest and sleep, pain and comfort, nutrition, safety, skin integrity and wound care, oxygenation and perfusion, loss and grief, spirituality, cultural and

sensitivity. Students practice and apply theoretical knowledge and competencies in the simulation laboratory and then integrate the knowledge and competencies while providing care to clients in the healthcare setting. Throughout the course, students demonstrate competence of fundamental principles of nursing practice and validated through skill performance assessments.
Prerequisites: Successful completion of all first quarter Nursing courses
Co-Requisites: NSG 3233, NSG 3253

NSG 3233 MENTAL HEALTH NURSING 4-0-2-6
Psychiatric Mental Health Nursing focuses on the role of the nurse in caring for patients with alterations in mental health. The course focuses on the nursing process framework with emphasis on assessment, therapeutic communication, neurobiological and psychosocial theories, pharmacology and current practices related to the care of the mentally ill. Interventions focus on aspects of care, which includes client care, communication, client and family teaching, and community resources, as well as practical application in various clinical settings.
Prerequisites: Successful completion of first quarter nursing courses.
Co-Requisites: NSG 3213, NSG 3253

NSG 3253 PHARMACOTHERAPEUTICS FOR NURSING PRACTICE II 4-1-0-5
Pharmacotherapeutics for Nursing Practice II provides an in-depth systems approach to the study of therapeutic drugs and their major classifications. Current pharmacological principles, therapeutic effect, drug interactions, and adverse effects are emphasized. Performance of accurate calculation of drug dosages and documentation is required. The role of the nurse in administering medication, client education, cultural diversity, and drug abuse prevention is addressed. Students practice and apply theoretical knowledge and competencies in the simulation laboratory. Throughout the course, students demonstrate competence of medication administration and validated through skill performance assessment.
Prerequisites: Successful completion of first quarter nursing courses.
Co-Requisites: NSG 3213, NSG 3233

NSG 3313 ADULT HEALTH NURSING I 5-0-2-7
Adult Health Nursing I (AHI) utilizes classroom and clinical experiences to care for patients with acute and chronic health problems. AHI includes the concepts of; caring, collaboration, communication, competence, cultural sensitivity, community and environment along with clinical skills to facilitate the wellbeing of individuals within the context of illness and prepare the student as a provider of care. In the clinical setting, students will care for patients with select medical and/or surgical problems in various settings, state knowledge of pathophysiology and psychosocial dynamics, apply the nursing process, utilize information technology, interact with other health care professionals, practice clinical decision making and critical inquiry while caring for culturally diverse, ill adults. Physiological concepts in AHI include alterations in fluid/electrolytes and acid base balance, respiratory, cardiovascular, endocrine, renal and urinary systems.
Prerequisites: Successful completion of all first and second quarter Nursing courses
Co-Requisites: NSG 3332, NSG 3352

NSG 4413 ADULT HEALTH NURSING II 5-0-2-6
Adult Health Nursing II continues to build on students' ability to relate concepts, skills and techniques needed to care for adult clients with acute and chronic health problems through classroom and clinical experiences. This course encompasses the concepts of caring, collaboration, communication, competence, clinical skills, cultural sensitivity, community, and environment into nursing practice. The course focuses on nursing practice that facilitates the wellbeing of individuals within the context of illness and continues in preparing the student as a provider of care. In the clinical setting, students will care for selected patients in various settings, applying knowledge of pathophysiology and psychosocial dynamics for patients with medical and/or surgical problems. Students will apply the nursing process employing information technologies to develop critical inquiry and clinical decision making to meet the needs of culturally diverse, ill adults while collaborating with other health care professionals. Concepts include problems related to musculoskeletal, gastrointestinal, neurologic, and endocrine theory.
Prerequisites: Successful completion of first three quarters of the Nursing Program
Co-Requisites: NSG 4432, NSG 4452

NSG 4513 ADULT HEALTH NURSING III 5-0-2-6

Adult Health Nursing III continues to build on students' ability to relate concepts skills and techniques needed to care for adult clients with complex health problems through classroom and clinical experiences. This course encompasses the concepts of caring, collaboration, communication, competence, clinical skills, cultural sensitivity, community, and environment into nursing practice. The course focuses on nursing practice that facilitates the wellbeing of individuals within the context of illness and continues in preparing the student as a provider of care. In the clinical setting, students will care for selected patients in various settings, applying knowledge of pathophysiology and psychosocial dynamics for patients with complex medical and/or surgical problems. Students will apply the nursing process employing information technologies to develop critical inquiry and clinical decision making to meet the needs of culturally diverse, ill adults while collaborating with other health care professionals. Concepts include problems related to hematological, oncological, and immunological systems and complex health disorders related to burn injury, shock, advanced cardiovascular, and advanced respiratory conditions.
Prerequisites: Successful completion of first four quarters of nursing courses
Co-Requisites: NSG 4533, NSG 4552

NSG 4533 COMMUNITY NURSING 4-0-1-5

Community Health Nursing focuses on the role of the nurse in the community. The principles of professional nursing care are applied to culturally diverse individuals, families and groups and are integrated throughout the health-illness continuum. Topics covered in this course are introduction to public health nursing; historical factors of community nursing; theoretical basis of community care; an overview of community nursing practice; factors that influence the health of the community; care of different populations in the community; care of special needs in community; and the future of community health nursing.
Prerequisites: Successful completion of first quarter nursing courses.
Co-Requisites: NSG 4513, NSG 4552

NSG 4613 ADULT HEALTH PRACTICUM 0-0-5-5

This course is designed to expand the scope of nursing practice for senior nursing students. Course and clinical activities provided to traditional students focus on leadership and management aspects of the professional nurse. Clinicals are scheduled with selected nurse preceptors in acute-care settings. The emphasis is on the role of the nurse in providing nursing care within the healthcare setting. A variety of populations and settings are used in the experiential learning component of this course.
Prerequisites: Successful completion of first five quarters of nursing courses
Co-Requisite: NSG 4633

NSG 4633 TRANSITION TO PROFESSIONAL PRACTICE 6-1-0-7

Transition to Professional Practice is designed to assist the student in assuming the role of the professional nurse. This course will present highlights from each area of nursing practice, including review of anatomy and physiology, disease processes, knowledge and application of nursing process appropriate to each stage of development, continued development of the formation and use of nursing process, and issues related to the nursing profession.
Prerequisites: Successful completion of first five quarters of nursing courses
Co-Requisite: NSG 4613

Page 399 – Addition of BS Dental Hygiene Course Descriptions

RDH 3110 EDUCATIONAL THEORY & METHODS IN DENTAL HYGIENE 4.5-0-0-4.5

This course includes examination of educational theory and methods required for effective dental hygiene instruction. Topics include learner and context analysis, performance objectives, assessment instruments, instructional strategies, and formative and summative evaluations. Emphasis is placed on competency-based instruction.
Prerequisite: Admission

RDH 3120 EDUCATIONAL PRACTICES/INSTRUCTION IN DENTAL HYGIENE 4.5-0-0-4.5

This course builds on the principles of educational methodology which support the role of the dental hygiene educator in didactic and clinical instruction. Students participate in course design, classroom delivery and evaluation, and online and clinical formats with an emphasis on competency-based instruction.
Prerequisite: Admission

RDH 3130 INTERPROFESSIONAL EDUCATION AND PRACTICES 4.5-0-0-4.5

This course focuses on team-based, patient-centered care as the new standard in healthcare integrating healing, education, research, and community service. Collaboration among healthcare professionals and biomedical researchers to improve the quality of patient care and health outcomes is discussed. Additional topics include the nature and need for interprofessional communication, the health care professions, successful team qualities, interprofessional interactions, professional ethics, integrity, values, and communication and decision making in the interprofessional environment.

Prerequisite: Admission

RDH 3140 EVIDENCE-BASED DENTAL HYGIENE PRACTICES & RESEARCH METHODS 4.5-0-0-4.5

In this course, students are introduced to the research processes utilized in dental hygiene. Emphasis is placed on identification and clarity of research questions, research appraisal and interpretation of research articles, evidence-based practice, systematic inquiry, and integration of research findings into the delivery of dental hygiene care.

Prerequisite: Admission

RDH 3150 CULTURAL COMPETENCY & DENTAL HYGIENCE CARE FOR TARGET POPULATIONS 4.5-0-0-4.5

This course focuses on learning to adapt and change in emerging practice areas for dental hygienists that provide care to population groups challenged by access to oral health care. Emphasis is placed on dental hygiene strategies for the delivery of culturally competent care to pediatric, geriatric, medically compromised, and special needs patients. Ethical issues are analyzed regarding care for vulnerable client populations groups.

Prerequisite: Admission

RDH 3160 GRANT WRITING 4.5-0-0-4.5

This course focuses on the fundamentals of grant writing and provides instruction on grant types, general grant application requirements, and application elements. Key parts of a grant proposal including title page, abstract, statement of need, goal, objectives, procedures, budget, qualifications, evaluation, sustainability, dissemination, sources cited, and appendix are covered. Students learn to integrate information into a grant proposal that can be utilized in academic research, local government or nonprofit organizations, or state and local agencies.

Prerequisite: Admission

RDH 4110 LEADERSHIP & ADMINISTRATION 4.5-0-0-4.5

In this course, students are introduced to leadership theories and models with emphasis on self-evaluation and skill development. Administrative concepts in organizations including program planning, strategic planning, and duties and responsibilities for faculty beyond the classroom are presented.

Prerequisite: Admission

RDH 4120 CAPSTONE PROJECT IN DENTAL HYGIENE EDUCATION 4.5-0-0-4.5

This capstone project completed by students should demonstrate writing, organizational, and communication skills associated with the BSDH degree program. The topic must be related to material presented in curriculum. The student will conduct extensive literature review and submit a written and oral presentation to the dental hygiene faculty.

Prerequisite: Approval of Department Chair, RDH 3140