



2018-2019 Catalog Addendum

This Catalog Addendum includes information relating to updates since the publication of the 2018-19 South College Catalog.

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 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 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 V.I.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 14-15 - 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.

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.

**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 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 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

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 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

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

Certificate Programs:

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

Page 66 – Addition

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

Page 68 – Addition of Program

Baccalaureate Degree Programs:

Online – Bachelor of Science in Dental Hygiene

Page 69 – Addition of Program Option

Baccalaureate Degree Programs:

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

Page 70 – Addition of Associate of Science in Computer Science Description and Learning Outcomes

Associate of Science COMPUTER SCIENCE (Online)

MISSION/PURPOSE

The Associate of Science in Computer Science (including all concentrations) is designed to provide organizations with individuals who can critically plan, develop, implement, and manage software solutions in organizations to meet the business needs of customers and/or the organization infrastructure, while understanding the importance of critical thinking, teamwork, and problem-solving.

PROGRAM EXPECTED LEARNING OUTCOMES

Graduates completing the Associate of Science in Computer Science program will accomplish the following outcomes:

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.
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Page 73 – Addition of Bachelor of Science in Computer Science Description and Learning Outcomes

Bachelor of Science COMPUTER SCIENCE (Online)

MISSION/PURPOSE

The Bachelor of Science in Computer Science (including all concentrations) program is designed to provide organizations with individuals who can critically plan, develop, implement, and manage software solutions in organizations to meet the business needs of customers and/or the organization infrastructure, while understanding the importance of critical thinking, teamwork, and problem-solving.

The Artificial Intelligence concentration is designed with focus on machine learning models, heuristics, and probabilistic analysis. The coursework focuses on the current growth and application of AI and its emerging applications.

The Blockchain and Cloud Computing concentration is designed with focus on large-scale networking hardware and software systems deployed over vast networks. The coursework focuses on abstract servers in use for cloud delivery and blockchain transactions, an emerging technology that uses vast computing power that is fully verifiable.

The Data Science concentration is designed with focus on the understanding of large data sets, data types, and abstraction. The coursework emphasizes extracting data in useful ways and finding new information through data manipulation.

The Mobile and Web Development concentration is designed with focus on applied programming for Web applications and mobile app development. The coursework emphasizes full-stack development for the Web and app deployment on Google Android and iOS devices. Students create a portfolio through this concentration which is essential for this field.

The Network Security concentration is designed with focus on securing network hardware and software. The

coursework emphasizes detection of evolving threats to systems through network access and implementation of mitigation strategies.

The Software Engineering concentration is designed with focus on the business analysis, planning, and implementation of software systems. The coursework includes risk analysis, needs analysis, use cases, and mapping.

PROGRAM EXPECTED LEARNING OUTCOMES

Graduates completing the Bachelor of Science in Computer Science program will accomplish the following outcomes:

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.

Page 74 – Addition of Descriptions for Additional Bachelor of Science in Information Technology Concentrations

The Data Analytics concentration is designed to prepare students with knowledge and skills to examine data, problem-solve, and think critically about how it can be used to benefit both consumers and businesses. Students focus on areas such as management, predictive analytics, business intelligence, databases, and information system design. Coursework emphasizes analytical and problem-solving skills.

The IT Management concentration is designed to prepare students with knowledge and skills relating to management and leadership, business, networks, and information systems (IS) management. Coursework emphasizes analytical and problem-solving skills.

The Networking concentration is designed to prepare student with knowledge and skills relating to network infrastructure, including protocols and algorithms, security techniques and countermeasures, how to perform business audits through the scope of technology, telecommunications processes, and information systems design. Coursework emphasizes analytical and problem-solving skills.

Page 76 – Addition of AS Computer Science Curriculum

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

**Associate of Science
COMPUTER SCIENCE**

AS Computer Science 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 Elective	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
	CST 1051 Database Applications	4.5
	CST 1100 Introduction to Software Engineering	4.5
	CST 1200 Data Structures	4.5
	CST 1400 Computer Architecture	4
	CST 1411 Introduction to Networking	4.5
	CST 1800 Operating Systems	4
	CST 2100 Introduction to Algorithms	4.5
	CST 2400 Programming Languages	4.5
	CST 2501 Windows Server	4.5
	INT 2120 Introduction to Scripting	4.5

Page 81 – Addition of Bachelor of Science in Computer Science Curriculum

The Bachelor of Science in Computer Science is currently offered Online.

**Bachelor of Science
COMPUTER SCIENCE**

BS Computer Science Curriculum.....182 credits (With Concentrations Please 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 Elective	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 Mathematics	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	ENG 1201 English Composition	4.5
Communication	ENG 1211 English Composition with Research	4.5
Area II – Major Curriculum.....		111.5 credits
	CST 1051 Database Applications	4.5
	CST 1100 Introduction to Software Engineering	4.5
	CST 1200 Data Structures	4.5
	CST 1400 Computer Architecture	4
	CST 1411 Introduction to Networking	4.5
	CST 1800 Operating Systems	4
	CST 2100 Introduction to Algorithms	4.5
	CST 2400 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
	General Electives	27

If a Concentration is Chosen - the 27 hours of required Approved General Electives are revised to the following:

Bachelor of Science in Computer Science with Concentration in Data Science (Total 182 Credits) – Online

CST 4101 Big Data Analytics	4.5
INT 4110 Database Systems	4.5
INT 4210 Relational Databases	4.5
INT 4511 Management Science	4.5
INT 4521 Predictive Analytics	4.5
INT 4531 Business Intelligence	4.5

Bachelor of Science in Computer Science with Concentration in Network Security (Total 182 Credits) – Online

CST 4111 Secure Software Design	4.5
INT 3220 Network and Telecommunications	4.5
INT 3310 Cybersecurity	4.5
INT 4120 IT Management	4.5
INT 4130 Virtual Computing	4.5
INT 4220 Advanced Systems Administration	4.5

Bachelor of Science in Computer Science with Concentration in Software Engineering (Total 182 Credits) – Online

BBA 3051 Management and Organizational Behavior	4.5
BBA 3611 Project Management	4.5
BBA 4051 Operations Management	4.5
CST 4121 Requirements Analysis	4.5
INT 3201 Object-Oriented Programming	4.5
INT 4220 Advanced Systems Administration	4.5

Bachelor of Science in Computer Science with Concentration in Mobile and Web Development (Total 182 Credits) – Online

CST 4131 Mobile App Development	4.5
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CST 4152 Cloud Service Architecture	4.5
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

*Bachelor of Science in Computer Science with Concentration in Artificial Intelligence
(Total 182 Credits) – Online*

CST 4141 Machine Learning	4.5
CST 4142 Artificial Intelligence	4.5
CST 4143 Decision Networks and Graphs	4.5
INT 3201 Object-Oriented Programming	4.5
INT 4130 Virtual Computing	4.5
INT 4521 Predictive Analytics	4.5

*Bachelor of Science in Computer Science with Concentration in Blockchain & Cloud
Computing (Total 182 Credits) – Online*

CST 4101 Big Data Analytics	4.5
CST 4151 Blockchain	4.5
CST 4152 Cloud Service Architecture	4.5
INT 3220 Network and Telecommunications	4.5
INT 4220 Advanced Systems Administration	4.5
INT 4521 Predictive Analytics	4.5

Page 82 – Correct and Add Information for BS Information Technology

General Electives (must be any 3000 or 4000 level coursework) listed at 8 hours with no concentration should be 35 hours as indicated in the text discussing the electives.

Addition of BS Information Technology Concentrations:

Bachelor of Science in Information Technology with Concentration in Data Analytics (Total 180.5 Credits)

General Electives (must be any 3000 or 4000 level coursework) 8

CONCENTRATION

INT 4110 Database Systems	4.5
INT 4210 Relational Databases	4.5
INT 4320 Information Systems Design (Capstone)	4.5
INT 4511 Management Science	4.5
INT 4521 Predictive Analytics	4.5
INT 4531 Business Intelligence	4.5

Bachelor of Science in Information Technology with Concentration in IT Management (Total 180.5 Credits)

General Electives (must be any 3000 or 4000 level coursework) 8

CONCENTRATION

BBA 3611 Project Management	4.5
CST 3801 Advanced Cybersecurity	4.5
INT 4220 Advanced Systems Administration	4.5
INT 4310 Current Topics in Information Technology	4.5
INT 4320 Information Systems Design (Capstone)	4.5
LGS 4101 Law & Technology	4.5

Bachelor of Science in Information Technology with Concentration in Networking (Total 180.5 Credits)

General Electives (must be any 3000 or 4000 level coursework) 8

CONCENTRATION

INT 3220 Network & Telecommunications	4.5
INT 3421 Advanced Windows Server	4.5
INT 3431 Wireless Networks	4.5
INT 3441 Network Security	4.5
INT 3451 Network Planning Maintenance	4.5
INT 4320 Information Systems Design (Capstone)	4.5

Page 101 – Addition of Bachelor of Science in Dental Hygiene Information

Bachelor of Science DENTAL HYGIENE (Nashville and Online)

MISSION/PURPOSE

The Bachelor of Science in Dental Hygiene program is designed to meet the continuing education needs of Associate degree in Dental Hygiene graduates. This program offers students a foundation of knowledge that will prepare them for the emerging roles within the dental hygiene profession. Foundation courses include focus on teaching, research, and public health. Emphasis is placed on broadening the career paths for practicing hygienists.

PROGRAM EXPECTED LEARNING OUTCOMES

Upon completion of all BS Dental Hygiene requirements, the student will be competent in:

- Utilizing critical thinking skills to determine the treatment needs of geriatric and special needs patients.
- Utilizing professional judgement to determine the treatment needs of geriatric and special needs patients.
- Performing leadership theories as they pertain to the dental hygiene practice.
- Performing management theories as it pertains to the dental hygiene practice.
- Analyzing scientific literature as it pertains to dental hygiene.
- Applying scientific literature as it pertains to dental hygiene.
- Applying educational theory to dental hygiene education.
- Applying educational methods to dental hygiene education.
- Applying educational practice instruction to dental hygiene education.
- Applying educational instruction methods to dental hygiene education.
- Applying educational instruction methods to dental hygiene education.

OVERVIEW OF THE DENTAL HYGIENE PROGRAM

Following completion of the Associate in Dental Hygiene, the courses needed for completion of the Bachelor of Science in Dental Hygiene may be completed in six quarters. The curriculum provides a strong emphasis on Educational Methodology, Epidemiology, Inter-professional Education and Practice, Evidence-Based Dental Hygiene Practices and Research Methods, and Leadership and Administration. The Capstone Project consists of an extensive literature review with submission in writing and an oral presentation to the Dental Hygiene Faculty.

ADMISSION REQUIREMENTS

Applicants to the South College Bachelor of Science in Dental Hygiene must provide the following:

1. Completed South College application for admissions;
2. Completed admissions application to the Bachelor of Science in Dental Hygiene program;
3. Official transcripts for all undergraduate work completed; and
4. \$50 application fee (online payment or payment via telephone is available).

Applicants must meet the following requirements to be admitted in good standing to the program:

1. Associate of Science in Dental Hygiene or Associate of Science (dental hygiene concentration) from any program accredited by Commission on Dental Accreditation (126 quarter credit hours if earned from South College) or concurrent enrollment in the Associate of Science in Dental Hygiene program at South College admitted to rotation (BS degree will not be awarded without completion of the AS degree and minimum GPA indicated in #3 earned).

2. If not earned from South College, evidence of earned Associate degree from accredited institution and CODA accredited Dental Hygiene program and satisfactory completion of the following are required. If the below hours are not satisfactorily earned, courses to fulfill must be satisfactorily completed at South College.

English Composition	9 quarter hours
College Algebra	4.5 quarter hours
Humanities	4.5 quarter hours
Social Science	9 quarter hours
Communications	4.5 quarter hours
3. Evidence of cumulative 2.0 grade point average for undergraduate dental hygiene courses.

GRADUATION REQUIREMENTS

For a student to graduate from the Bachelor of Science in Dental Hygiene program, the student must be in a good academic and professional standing, have had satisfactory progress in all quarters of the academic program, and satisfactorily complete the following:

1. The student normally must complete the course requirements in the catalog in effect when the student enrolled. However, academic programs are subject to change at the discretion of the institution. Students who leave the college will be required to meet catalog requirements at the time of their return. Students may request Dean/Department Chair approval for course substitution. Deviation from any program requirements must be approved by the Dean of Academic and Student Services (Nashville).
2. The student must earn the minimum grades designated by the program in all required courses.
3. The student must have a cumulative grade point average of 2.0 or higher for all coursework taken at the college (if higher CGPA is required by the program, this requirement must be met). At least 30% of any degree or certificate program must be taken at South College (higher percentage may be required by program).
4. The student must complete the Career Services exit program and all outcomes assessment exams prior to graduation.
5. The student must abide by all college rules and regulations and settle any financial obligations to the college prior to graduation.
6. Programs may have additional graduation requirements that must be fulfilled.

South College reserves the right, and the student, by the act of matriculation, concedes to give South College the right to require withdrawal at any time the college deems it necessary to safeguard the standards of scholarship, conduct, and compliance with regulations, or for such other reasons deemed appropriate by South College as set forth in the South College Student Handbook and/or the South College Catalog.

ACADEMIC PROGRESSION AND RETENTION IN THE DENTAL HYGIENE MAJOR

Students admitted the Bachelor of Science in Dental Hygiene program are required to earn a minimum grade of “C” in all courses. Students earning less than a “C” in any course will be required to repeat the course prior to graduation.

READMISSION

Readmission to the Bachelor of Science in Dental Hygiene program will be made on a case by case basis through the Readmissions Committee via review of Application for Readmission.

GRADING SCALE

90-100 =	A
80-89 =	B
70-79 =	C
60-69 =	D
Below 60 =	Failing

PROGRAM TERMINATION

Students accepted into the Bachelor of Science Dental Hygiene program in the Department of Dental Education are expected to demonstrate professional behavior and demeanor. Professional behavior encompasses a broad range of

expectations, including the expectation of trustworthiness and at all times keeping the welfare of the individual receiving care a priority. To this end, any instance of student intent to misrepresent facts will be cause for immediate program dismissal.

Misrepresentation of facts, verbal or written, including but not limited to the following situations, is prohibited.

- Bribery
- Deliberate withholding information about a patient, patient care, and/or self
- Plagiarism
- Presenting another student’s work as one’s own
- Cheating in any form
- Forgery or falsification in any form
- Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the course instructor. Students are expected to respect and follow the South College Academic Honor Code.

Grounds for immediate termination from the Dental Hygiene programs include:

1. Receiving a grade of “D” or “F” in any major course listed in the curriculum.
2. Insubordination.
3. The conviction and/or known use of, distribution of, or possession of illegal drugs or controlled substances.
4. Failure to accomplish didactic and/or clinical assignments.
5. Unprofessional, unsafe, and/or unethical conduct.
6. Academic dishonesty in related or professional courses.
7. Participant clinical agencies retain the right to reject any student whose behavior may be hazardous to the agency.

Any student wishing to reapply to any program must contact the Chair of Dental Education and follow the Program Readmission policy outlined in the Dental Hygiene Department Policy and Program Manual.

VOLUNTARY WITHDRAWAL

Students withdrawing from a program due may reapply for program readmission as delineated by the policy in the Dental Hygiene Program and Policy Manual.

The Bachelor of Science in Dental Hygiene degree program is currently offered Online, with core and several major courses also available onground at the Nashville campus. Students may enroll at the identified campus for this program, but online course completion is necessary for completion of the program (Hybrid).

Bachelor of Science DENTAL HYGIENE

BS Dental Hygiene Curriculum.....	183.5 credits
AS Requirements.....	126 credits
Must Be Evidenced as Part of Associate or Required:	
English Composition	9 quarter hours
College Algebra	4.5 quarter hours
Humanities	4.5 quarter hours
Social Science	9 quarter hours
Communications	4.5 quarter hours
Area I – Core Curriculum.....	13.5 credits
Humanities	Humanities Elective 4.5
Mathematics	MAT 2501 Statistics 4.5
Social Science	Sociology Elective 4.5
Area II – Major Curriculum.....	44 credits
HSC 4210	Current Trends/Issues 4
HSC 4320	Epidemiology 4

RDH 3110	Educational Theory & Methods in Dental Hygiene	4.5
RDH 3120	Educational Practices/Instruction in Dental Hygiene	4.5
RDH 3130	Interprofessional Education and Practices	4.5
RDH 3140	Evidence-Based Dental Hygiene Practices & Research Methods	4.5
RDH 3150	Cultural Competency & Dental Hygiene Care for Target Populations	4.5
RDH 3160	Grant Writing	4.5
RDH 4110	Leadership and Administration	4.5
RDH 4120	Capstone Project in Dental Hygiene Education	4.5

Page 140 – Revision to #3 in Admission Requirements for AAS Radiologic Technology

3. Meet minimum score requirements on the college entrance examination, OR present documentation of a score of 19 or higher on the ACT Assessment examination, OR present documentation of a 900 combined score or higher on the SAT I examination, OR take the college-administered admissions examination and score minimum scores required by the program.

Page 141 – Addition to Concentration Options for Bachelor of Science Health Science

Addition – Nuclear Medicine (RT or Non-RT Track)

Page 147 – Delineation of Current Curriculum for BS Health Science w/Concentration Nuclear Medicine as RT Track

Add – RT Track following Concentration Nuclear Medicine (Nuclear Medicine (RT Track))

Page 148 – Addition of Curriculum for BS Health Science w/Concentration Nuclear Medicine (Non-RT Track)

**Bachelor of Science
HEALTH SCIENCE
Concentration Nuclear Medicine (Non-RT)**

BS Health Science w/Concentration in Nuclear Medicine Curriculum.....183.5 credits

Area I – Core Curriculum.....71.5 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
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
	CHM 1010 General Chemistry I	4
	CHM 1020 General Chemistry I Lab	2
	PHY 2010 General Physics I	4

Social Science	PSY 1811	General Psychology	4.5
	SOC 1861	Introduction to Sociology	4.5
		Approved Social Science Elective	4.5
Written	ENG 1201	English Composition	4.5
Communication	ENG 1211	English Composition with Research	4.5
Area II – Major Curriculum			
Core Health Science.....			24 credits
	HSC 3110	Introduction to Health Admin	4
	HSC 3120	Healthcare Law and Ethics	4
	HSC 3310	Cross-Sectional Anatomy	4
	HSC 4110	Health Science Research	4
	HSC 4210	Current Trends and Issues	4
	HSC 4310	Health Science Leadership	4
Imaging Science.....			88 credits
	RAD 1110	Fundamentals of Healthcare	4
	RAD 1120	Patient Care and Assessment	4
	RAD 2520	RAD Protection and Biology	4
	RAD 2620	Radiographic Pathology	4
	RAD 3110	Digital Imaging	4
	RAD 4210	Advanced Patient Care	4
	RAD 4220	Special Topics	4
	RTN 3110	Nuclear Medicine Technology I	4
	RTN 3120	Diagnostic Procedures I	4
	RTN 3130	Nuclear Medicine Technology Clinic I	7
	RTN 3210	Nuclear Medicine Technology II	4
	RTN 3220	Diagnostic Procedures II	4
	RTN 3230	Nuclear Medicine Technology Clinic II	7
	RTN 3310	Radiopharmacy & Interventional Drugs	4
	RTN 3320	Radionuclide Therapy	4
	RTN 3330	Nuclear Medicine Technology Clinic III	7
	RTN 3410	Nuclear Physics	4
	RTN 3420	Seminar	4
	RTN 3430	Nuclear Medicine Technology Clinic IV	7

Page 190 – Add Availability at Atlanta Campus for the LPN/BSN Program Option and Revision of LPN/BSN Admission Requirement

Revise from Knoxville and Nashville to Knoxville, Nashville, and Atlanta.

Revise LPN/BSN Admission Requirement b – remove “for LPN licensure” – New wording b. Prof of completion of a diploma or other certification program.

Page 221 – Addition of Nashville Campus in Program Emphasis and Learning Outcomes

The threads of the OTA program at the Knoxville and Nashville campuses include the following...

The goal of the OTA program at South College Knoxville and Nashville is to.....

Page 222 – Revision of Knoxville OTA Program Accreditation Status and Addition of Nashville OTA Program Accreditation Status

KNOXVILLE OTA PROGRAM ACCREDITATION 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 V.I.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.

NASHVILLE OTA PROGRAM ACCREDITATION STATUS

The South College Occupational Therapy Assistant program offered at the Nashville campus has applied for accreditation and has been granted Candidacy Status 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. The program must have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates will be eligible to sit for the national certification examination for the occupational therapy assistant administered by the 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.

Page 223 – Revision of Note section

Note: Knoxville - Only one cohort will be admitted for the Spring quarter during the 2018 academic year. The second cohort for OTA major curriculum courses will begin Fall of 2019. The OTA program will then begin admitting to the major curriculum twice per year for Spring quarter and Fall quarter starts in 2020 dependent upon qualified applicants. **Nashville** – The first cohort for OTA major curriculum courses will begin Fall of 2019. At this time, only one cohort will be admitted annually.

Page 224 – Revision of First Paragraph

() Each of these areas is used to rank applicants for full program admission. If minimum standards outlined above are met by more applying students than available seats for the cohort, these rankings determine program admission. Additional course work pertaining to the occupational therapy assistant program is considered. Students with the top 30 scores for Knoxville/top 20 scores for Nashville on the ranking system will be fully accepted into the program and advance to the Occupational Therapy Assistant courses in Quarter 4.*

Page 225 – Addition of Nashville Campus in OTA Reinstatement Policy Section

Once “fully” accepted, a student may be dismissed from the South College Lonas Campus in Knoxville or Nashville Campus OTA program...

Page 240 – Revision to Doctor of Pharmacy Tuition and Fee

Quarterly tuition for the Doctor of Pharmacy program beginning summer quarter 2019 (June 2019) is \$11,975. The total tuition is revised to \$143,700. The quarterly Technology Fee for the Doctor of Pharmacy program beginning summer quarter 2019 is \$175. The total technology fee is revised to \$2,100.

Concentration in Pharmaceutical Sciences & Pharmacy Research

Guidelines

The Concentration in Pharmaceutical Sciences & Pharmacy Research (CPSPR) offers interested and motivated pharmacy students an opportunity to pursue research interests, gain hands-on research experience, and earn recognition for excellence in basic pharmaceutical sciences research which may provide a competitive advantage for future career and post-graduate educational opportunities. The CPSPR is available to Doctor of Pharmacy students beginning with the Class of 2020.

Prerequisites for Admission to the Concentration in Pharmaceutical Sciences & Pharmacy Research

Pharmacy students with a potential interest in applying for admission to the Concentration in Pharmaceutical Sciences and Pharmacy Research (CPSPR) must enroll in PSC6201 *Introduction to Pharmaceutical Sciences Research* offered in the second quarter of the Doctor of Pharmacy Program. This 1 credit hour elective course will provide an introductory overview of pharmaceutical sciences and pharmacy practice research, research support capabilities in the South College School of Pharmacy, and the research interests and activities of science and practice faculty that are open to student participation.

Enrollment in PSC6201 *Introduction to Pharmaceutical Sciences Research* is limited to P1 pharmacy students who earn a first quarter GPA of 3.0 or better with no individual first-quarter course grade less than a B.

Admission to the Concentration in Pharmaceutical Sciences & Pharmacy Research

Students enrolled in PSC6201 *Introduction to Pharmaceutical Sciences Research* that determine that they want to participate in the CPSPR must identify and consult with a faculty research mentor and complete an application for acceptance into the CPSPR. The application must be submitted to the CPSPR program coordinator not later than the last day of class of the Fall Quarter of the Doctor of Pharmacy Program. The application requires the signature of the student, the designated faculty research mentor, the research mentor's department chair, and the approval signature of the CPSPR program coordinator.

Applicants will be accepted into the program based upon consideration of their first and second quarter GPA (3.0 minimum), as well as grades earned in individual courses in the first and second quarter of the Doctor of Pharmacy program (B minimum). The student and their selected research mentor will be notified of successful acceptance into the program, pending posting of Fall Quarter Grades, by December 15 or as soon as possible prior to the start of the subsequent Winter Quarter. It should be understood that the maximum number of students from each matriculating class accepted into the program will be limited by the maximum number of students that can be accommodated by available research mentors and/or School of Pharmacy research resources. Based upon these factors, the number of students accepted into the CPSPR may vary with each newly admitted class.

Course of Study

The Concentration in Pharmaceutical Sciences & Pharmacy Research requires successful completion of a minimum of 18 credit hours of approved research and research-related electives, including the APPE course PPR6932 *Pharmaceutical Sciences Research*, for which the student must prepare and submit a research manuscript to an appropriate journal for publication (acceptance for publication is not required) to successfully complete the CPSPR. The minimum credit hour requirement for the Concentration includes a minimum of eleven (11) additional research-related elective credit hours above the elective requirements of the Pharm.D. curriculum.

Requirements of the CPSPR vs the Pharm.D. Curriculum		
	Pharm.D. Curriculum	CPSPR
Elective Credit Hours Required	7	14
APPE Research Elective	Not Required	4
Total Required Electives	7	18
Availability of non-APPE Electives	Quarters 6-8 (P2 Year)	Quarters 2-8 (P1-P2 Year)
Research Manuscript Required	No	Yes

Prior to submission of an application for admission to the CPSPR, the student's identified faculty research mentor will develop an individualized course sequence that will meet the requirements for completion of the CPSPR and

consider the student researcher's proposed line of investigation, and availability and sequence of applicable SOP electives that meet the needs of the individual student researcher.

Example Course Sequence for a Pharmaceutical Sciences Concentration	Credit Hours
Quarter 2:	
PSC6201 <i>Introduction to Pharmaceutical Sciences Research</i> *	1
Accepted into the CPSPR.	
Quarter 3:	
PSC6306 <i>Special Projects in Pharmaceutical Sciences Research</i>	1
Quarter 4:	
PSC6406 <i>Special Projects in Pharmaceutical Sciences Research</i>	1
Quarter 5:	
PSC6506 <i>Special Projects in Pharmaceutical Sciences Research</i>	1
*PSC6012 <i>Independent Study in Pharmaceutical Sciences</i> ** (or other PSC or PPR elective TBD)	2-3
Quarter 6:	
PSC6606 <i>Special Projects in Pharmaceutical Sciences Research</i>	1
*PSC6013 <i>Independent Study in Pharmaceutical Sciences</i> ** (or other PSC or PPR elective TBD)*	2-3
Quarter 7:	
PSC6706 <i>Special Projects in Pharmaceutical Sciences Research</i>	1
*PSC or PPR elective (TBD)	2-3
Quarter 8:	
PSC6002 <i>Independent Research</i>	2
Quarter 9 or 10:	
PPR6932 APPE – <i>Pharmaceutical Sciences Research</i>	4
Total Credit Hours	18-21

* These courses may be scheduled as needed to assure achievement of 18 credit hour minimum for the concentration.

** Independent Study Courses are specialized courses providing individualized instruction to students in the Concentration in Pharmacy Research, which specifically address a didactic need in the student's area of research, not offered by any other SOP elective.

During quarters 5-8, students in the CPSPR may be enrolled in two electives as long as one of the electives is a research Special Projects or Independent Research elective. The elective courses completed as part of the CPSPR will be applied toward completion of the seven (7) elective credit hours required for the Doctor of Pharmacy curriculum.

Performance Expectations for Students Accepted into the Concentration in Pharmaceutical Sciences & Pharmacy Research

Students accepted into the CPSPR must maintain a GPA of 3.0 in the Doctor of Pharmacy program in every quarter and earn not less than a B in any course taken as a component of the CPSPR. Failure to maintain this standard will require that the student withdraw from the CPSPR.

Students may voluntarily withdraw from the CPSPR at the completion of any quarter, for any reason. In the event of a student's withdrawal from the CPSPR, the student may, with the agreement of the faculty research mentor, continue with any active research; but without specific benefits achieved through successful completion of the CPSPR.

In the event of failure of any elective attempted as part of the CPSPR, the affected student is subject to the applicable reexamination and academic progression policies of the School of Pharmacy.

Graduating students who successfully complete the CPSPR will be formally recognized by presentation of honor cords or other appropriate regalia and an award signifying "Excellence in Pharmaceutical Sciences and Pharmacy

Research.” Additionally, their official transcript will denote “Concentration in Pharmaceutical Sciences and Pharmacy Research.”

Page 263 – Revision to Doctor of Physical Therapy Curriculum (Applies to All Classes Beginning Summer 2019 and After)

Quarter 6 – DPT 6711 Primary Care Physical Therapist (2 credits) is removed and DPT 6671 Advanced Clinical Practice – Examining the Complex Patient (3 credits) is added.

Quarter 7 – DPT 6811 Business Management and Entrepreneurship (3 credits) is removed and DPT 6730 Business Management (2 credits) is added.

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 279 – Revision to AS Health Science Curriculum (Applied Summer Quarter 2019 and After)

Approved Social Science Electives is changed from 9 hours to 4.5 hours. Approved Electives is changed from 8 hours to 12.5 hours.

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

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

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 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 ARCHITECTURE 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 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 3-0-0-3
PATIENT

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

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 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