

# *South College*

Asheville



**October 2015**

**Addendum to 2013-2015 Catalog**

**(Corrections and Updates)**

	<b>FALL 2015</b>	<b>WINTER 2016</b>	<b>SPRING 2016</b>	<b>SUMMER 2016</b>
<b>FACULTY MEETING</b>	August 31	December 7	March 21	June 6
<b>CHALLENGE EXAMS</b>	September 1 November 2	December 1 February 8	March 7 May 2	May 31 July 27
<b>ORIENTATION</b>	October 1	January 11	March 31	June 23
<b>CLASSES BEGIN</b>				
<b>Regular Quarter</b>	October 5	January 13	April 4	June 27
<b>Mid-Quarter</b>	November 9	February 17	May 9	August 17
<b>LAST DAY DROP/ADD and LATE REGISTRATION</b>	October 10 November 11 MQ	January 19 February 20 MQ	April 9 May 11 MQ	July 2 August 20 MQ
<b>LAST DAY TO DROP WITHOUT GRADE PENALTY</b> <i>(See Policies Relating to Tuition &amp; Fees)</i>	October 24 November 21 MQ	February 2 March 1 MQ	April 23 May 21 MQ	July 16 August 30 MQ
<b>ADVISEMENT/ PRE-REGISTRATION</b>	November 16- December 2	February 22-March 5	May 16-May 28	August 22-September 3
<b>FINAL EXAMINATIONS</b>	December 11-17	March 18-23	June 10-15	September 9-15
<b>LAST DAY OF QUARTER</b>	December 17 <i>Dec 14 W Makeup Dec 15 TH Makeiup</i>	March 23	June 15	September 15
<b>GRADUATION</b>			June 18	
<b>STUDENT HOLIDAYS</b>	November 25-29 December 18-January 12	January 18 March 24-April 3	May 30 June 19-June 26	July 4 August 8-13 September 5 September 15-TBD

**\*All Dates Subject to Change\***

## 2015-2016 Academic Calendar

- Class times vary according to number of meeting times in quarter for specific class. Please consult each quarter's class schedule.

### SOUTH COLLEGE-ASHEVILLE

**\*All Dates Subject to Change\***

Class times vary according to number of meeting times in quarter for specific class. Please consult each quarter's class schedule.

**This catalog addendum includes information relating to updates since the printing of the 2013-2015 South College-Asheville Catalog.**

## **ADMINISTRATIVE STAFF**

Nick South	Executive Director
Dr. Vickie Samuels	Dean of Academic and Student Services
Christine Chancey	Office Manager
Marissa Sherman Deziel	Head Information Resource Specialist
Laura Dennis	Library Assistant
Valerie Pelnar	Library Clerk
Enrique Llanos	Level 1 Tech Support Specialist
Ronda Blackman	Director of Financial Aid
Katy Oh	Financial Aid Representative
Tina Lance	Financial Aid Representative
Wendy Rewerts	Director of Admissions
Alisha Osborne	Associate Director of Admissions
Cynthia Kelly	Admissions Representative
Shanna Taylor	Admissions Representative
Dana Gatliff	Admissions Representative
Reina Simonetti	Admissions Representative
Anne Moss	Registrar
Charlie Milling	Director of Student Services
Jenny Carleton	Executive Administrative Assistant
Courtney Holmes	Administrative Assistant
Allison King	Administrative Assistant
Michael Ann Cummings	Nursing Administrative Assistant

## **FACULTY MEMBERS**

Faculty member listings change frequently due to the nature of adjunct faculty availability and course offerings. As such, the College will update this addendum at the end of each quarter to provide students and interested parties with a current listing of full time and part time faculty members.

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WARWICK, PAIGE – Occupational Therapy Assistant  
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#### **Addition to Pages 7-8 – PROGRAMS**

**Bachelor of Science Degree Programs: Not Currently Enrolling**  
Criminal Justice

**Bachelor Program: Not Currently Enrolling**  
Business Administration

**Associate of Applied Science Degree Programs:**  
Business Administration with a concentration in Professional Brewing Science

**Certificate Programs:**  
Professional Brewing Science Certificate

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#### **Addition to Pages 7-8 – ACCREDITATION AND AFFILIATIONS**

State Approvals

South College-Asheville is licensed by the Board of Governors of the University System of North Carolina to confer Bachelor of Science and Associate of Applied Science degrees. The college is licensed by the North Carolina Community College System to confer certificates and diplomas. **The North Carolina State Board of Community Colleges is not an accrediting agency.** The College is approved by the North Carolina of veterans and other eligible persons. The North Carolina Board of Nursing has given full approval status for the Associate of Applied Science Degree program in Nursing.

The South College-Asheville Occupational Therapy Assistant 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, [www.acoteonline.org](http://www.acoteonline.org). ACOTE's telephone number is (301) 652- AOTA. **(also located on page 83)**

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**Revision to Page 12 – GENERAL ADMISSION REQUIREMENTS**

Clarification of General Admission Requirements for Applicants Completing High School Through Home Schooling

Applicants who have completed their high school education through home schooling are required to submit proof of a minimum SAT or ACT as indicated above, meet the criteria established for acceptance as a transfer student, or provide acceptable documentation of home schooling evaluation.

**Revision to Page 20 – FINANCIAL INFORMATION**

**2015-2016 TUITION**

*Medical Assisting and Surgical Technology (Per Quarter)*

<b>TUITION</b>	<b>2014-15</b>	<b>2015-16</b>
10-18 Credit Hours	\$5900	\$5000
6-9 Credit Hours	\$5300	\$4550
1-5 Credit Hours	\$2900	\$2900
Each Credit Above 18	\$330 per credit	\$310 per credit

*Business Administration, Accounting, Criminal Justice, Paralegal Studies, Legal Studies (Per Quarter)*

<b>TUITION</b>	<b>2014-15</b>	<b>2015-16</b>
10-18 Credit Hours	\$5900	\$6000
6-9 Credit Hours	\$5300	\$4550
1-5 Credit Hours	\$2900	\$2900
Each Credit Above 18	\$330 per credit	\$330 per credit

*Physical Therapist Assistant, Radiologic Technology, Nursing, Radiologic Science, Occupational Therapy Assistant (Per Quarter)*

<b>TUITION</b>	<b>2014-15</b>	<b>2015-16</b>
10-18 Credit Hours	\$6500	\$6700
6-9 Credit Hours	\$5900	\$4550
1-5 Credit Hours	\$3000	\$3000
Each Credit Above 18	\$350 per credit	\$360 per credit

*Certificate in Professional Brewing Science (Per Quarter)*

<b>TUITION</b>	<b>2014-15</b>	<b>2015-16</b>
FT	\$5800	\$5800

**MIDQUARTER STARTS ONLY FOR ALL PROGRAMS (6-9 Hours Only)**

<b>TUITION</b>		<b>2015-16</b>
		\$4550

*All Students*

<b>FEES</b>	<b>2014-15</b>	<b>2015-16</b>
Application	\$50	\$50
Credit by Examination	\$50 Computer Related Courses \$150 Other Approved Courses	\$50 Computer Related Courses \$150 Other Approved Courses
Transcript	\$10	\$10
Graduation	\$200	\$200
Technology Fee	\$125 per quarter	\$125 per quarter

**Revision to Page 24 – FINANCIAL AID**

Added statement to section titled FINANCIAL AID: Financial aid is available for applicants who qualify.

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**Addition to Page 33 – Grievance Procedures**

The contact information for each program department chairperson is located on pages 3-9 of the South College-Asheville 2013-2015 catalog addendum. Contact Dr. Vickie Samuels, Dean of Academic and Student Services, office 308 or Mr. Nick South, Executive Director, office 309.

**Addition to Page 40 – Seeking an Additional Credential**

Students who complete one degree and begin a new program seeking an additional credential do not begin a new episode related to their satisfactory progress status. Satisfactory progress status for hours attempted and hours earned is determined based on all courses attempted at South College and transferred in from outside of the College that apply to the new program. Satisfactory progress in terms of cumulative grade point average (CGPA) is based on all credits attempted at South College-Asheville.

**Revision to Page 40 – Change of Program**

Students are allowed a maximum of two program changes excluding changing from an associate level program to a baccalaureate level program. Program changes become effective at the beginning of the subsequent quarter that the program change is completed. Satisfactory progress status for hours attempted and hours earned is determined based on all courses attempted at South College-Asheville and transferred in from outside of the College that apply to the new program. Satisfactory progress in terms of cumulative grade point average (CGPA) is determined only by courses taken a South College-Asheville that apply to the new program.

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**Revision to Page 46 – GRADUATION REQUIREMENTS**

**Revision of Graduation Requirements Item # 2**

To receive a degree or certificate, a student must satisfy these requirements:

2. The student must earn the minimum grades designated by the program in all required courses.

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**Revision to Page 56– RADIOLOGICAL SCIENCES Curriculum**

Bachelor of Science Radiological Sciences.....		204 credits
Area I – Core Curriculum .....		72 credits
Mathematics	GS150 College Mathematics I	4
	GS151 College Mathematics II	4
	GS250 College Mathematics III - Statistics	4
Written	GS120 English Composition	4
Communications	GS121 English Composition with Research	4
Humanities	Approved Humanities Electives	8
Science	MD170 Anatomy & Physiology I	4
	MD170L Anatomy & Physiology I Lab	2
	MD171 Anatomy & Physiology II	4
	MD171L Anatomy & Physiology II Lab	2
	MD180 Medical Terminology	4
	Approved General Science Elective	4
Communication	GS126 Effective Speaking	4
	GS305 Strategic Communications and Decision Making	4
Social Science	GS181 General Psychology	4
	GS290 Cultural Diversity	4
	Approved Social Science Elective	8

**Correction to Page 60– BUSINESS ADMINISTRATION Curriculum**

BUSINESS ADMINISTRATION Curriculum .....				108 credits
Area I – Core Curriculum .....				52 credits
Computer	CS120	Introduction to Computers	4	
	BE171	Keyboarding I	4	
Mathematics	GS150	College Mathematics I	4	
	GS151	College Mathematics II	4	
Science	GS140	Principles of Biology	4	
Written	GS120	English Composition	4	
Communications	GS121	English Composition with Research	4	
Humanities	GS235	Introduction to Literature	4	
Communications	GS126	Effective Speaking	4	
	GS215	Interpersonal Communications	2	
Personal	PD111	College Management	2	
Development	PD112	Career Management	2	
	PD212	Professional Development	2	
Social Science		Approved Social Science Electives	8	
Area II – Major Curriculum .....				56 credits
	BA100	Accounting I	4	
	BA101	Accounting II	4	
	BA102	Accounting III	4	
	BA136	Introduction to Business	4	
	BA205	Foundations of Personal Financial Management	4	
	BA237	Principles of Management	4	
	BA239	Principles of Marketing	4	
	BA245	Human Resource Management	4	
	BA272	Principles of Macro-Economics	4	
	BA273	Principles of Microeconomics	4	
	BE223	Business Communications	4	
	BE290	Introduction to Word Processing	4	
	CS104	Spreadsheet Applications	4	
	PL116	Contract Law	4	

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**Revision to Pages 62, 63 Criminal Justice Core Curriculum**

Criminal Justice Curriculum				120 credits
Area I – Core Curriculum				56 credits
Computers	GS120	Introduction to Computers	4	
Mathematics	GS150	College Mathematics I	4	
	GS151	College Mathematics II	4	
Science		Approved Science Elective	4	

Written Communications	GS120	English Composition	4
	GS121	English Composition with Research	4
Communications	GS126	Effective Speaking	4
	GS215	Interpersonal Communications	2
Humanities	Approved Humanities Elective		4
Personal Development	PD111	College Management	2
	PD112	Career Management	2
	PD212	Professional Development	2
Social Sciences	GS181	General Psychology	4
	GS186	Introduction to Sociology	4
	GS276	American Government	4
	GS271	American History	4

### **Correction to Page 63 and 107**

Clarified clinical hours to read: Experiences for the development of cognitive, affective, and psychomotor skills are driven through classroom activities, clinical and community experiences, and a 30-hr onsite clinical observation experience and 180-hour practicum, totaling a 210-hour unpaid onsite clinical/practicum experience prior to the conclusion of the program.

### **Correction to Page 67**

Clarified clinical hours to read: All Medical Assisting students are required to complete an unpaid 30-hr clinical observation and an unpaid 180-hr clinical practicum, totaling 210-hr onsite clinical experience at a local medical practice during the program.

### **Revision to Page 74 –Nursing Major Admission Requirements**

1. Complete all core general education courses with a minimum grade of “C” and a cumulative GPA of at least a 3.0. Applicant grades will be ranked on a point system. Points are awarded as follows: 5 points for A, 3 points for B, and 1 point for C. Points will only be given for courses completed by the end of the prior quarter of the application year. In addition, one point per course will be awarded for each of these courses taken at South College-Asheville.
2. Pre-requisite classes may only be attempted twice.
3. General Education courses may be transferred at the discretion of the Dean of Academic and Student Affairs. Anatomy and Physiology II must have been completed within seven years prior. College Math must be completed within seven years prior.
4. Attend a Nursing Information Session prior to the quarter of desired enrollment and obtain Nursing Admission Application. Review Nursing Program requirements. Commit, as documented in the commitment statement, to full-time attendance and participation in a rigorous educational program, to significant class preparation time, to clinical hours off campus (including day, evening, night and weekend clinical hours), and to availability of transportation to travel to all required clinical experiences. Clinical sessions vary from 6-12 hours and may be scheduled at any time.
5. Submit a Nursing Admission Application, including three references, by the deadline date. References must speak to academic ability and/or work ethic. The application includes an essay that will be used in the event of a tie-breaker for admission.
6. Applicants can earn up to 10 points for holding certification as an allied health professional.

**Revision to Page 75 – Acceptance Information**  
**Clarification of Acceptance Information for the Nursing Program**

Cohort admission is based on clinical rotation availability.

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**Revision to Page 80– NURSING Curriculum**

NURSING Curriculum .....			118 credits
Area I – Core Curriculum .....			48 credits
Science	MD170	Anatomy & Physiology I	4
	MD170L	Anatomy & Physiology I Lab	2
	MD171	Anatomy & Physiology II	4
	MD171L	Anatomy & Physiology II Lab	2
	MD180	Medical Terminology	4
Written	GS120	English Composition	4
Communications	GS121	English Composition with Research	4
Communications	GS215	Interpersonal Communication	2
Humanities		Humanities Elective	4
Social Science	GS181	General Psychology	4
	GS183	Developmental Psychology	4
Mathematics	GS150	College Mathematics I	4
Personal	PD111	College Management	2
Development	PD112	Career Management	2
	PD212	Professional Development	2

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**Revision to Page 84 Occupational Therapy Admission Requirements**

The OTA program admits to the major course curriculum twice per year for Spring quarter and Fall quarter starts. In order to be considered for starts, all admission materials are due to the OTA Department Chairperson. Review of application materials will begin February 1<sup>st</sup> for Spring quarter and August 1<sup>st</sup> for Fall quarter. Applicants may apply to the program until the beginning of the quarter classes. Cohort admission is based on clinical rotation availability.

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**Revision to Page 87 Occupational Therapy Assistant Curriculum**

Occupational Therapy Assistant Curriculum .....			116 credits
Area I – Core Curriculum .....			40 credits
Mathematics	<b>GS150</b>	<b>College Mathematics I</b>	4
Written	<b>GS120</b>	<b>English Composition</b>	4
Communications	<b>GS121</b>	<b>English Composition with Research</b>	4
Communications	GS126	Effective Speaking*	4



Humanities	<b>Approved Humanities Elective</b>	4
Science	<b>MD170 Anatomy &amp; Physiology I</b>	4
	<b>MD170L Anatomy &amp; Physiology I Lab</b>	2
	<b>MD171 Anatomy &amp; Physiology II</b>	4
	<b>MD171L Anatomy &amp; Physiology II Lab</b>	2
	<b>MD180 Medical Terminology</b>	4
Social Sciences	GS181 General Psychology*	4

Courses in BOLD must be completed prior to admission to OTA major courses.

\*GS126 Effective Speaking and GS181 General Psychology must be completed prior to beginning Developmental/Pediatric Theory.

### Revision to Page 94 PTA Admissions Requirements

- Meet the requirements for general admission to the College as found in the current catalog.
- 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 have earned transfer hours of either 18 semester hours or 27 quarter hours with a 3.0 GPA or better.
- Complete the South College-Asheville PTA Program Application and submit it to the PTA Department Chairperson.
- Submit three (3) letters of reference utilizing the program's reference form. These reference forms will be scored and must average seventy-five (75) percent or better.
- Submit proof of at least twenty-four (24) hours of observation and/or work hours in a physical therapy setting using the form provided by the PTA program.
- Complete and submit a written essay packet.
- Complete all required general education core courses and earn the minimum grade required by the PTA Program.
- Commit to full-time attendance and participation in a rigorous educational program, significant out-of-class preparation time, and internship assignments off campus.

Removed paragraph beginning “Applicants are ranked....”. Insert: Cohort admission is based on clinical rotation availability.

### Revision to Page 97 Physical Therapist Assistant Curriculum

Physical Therapist Assistant Curriculum .....		121 credits
Area I – Core Curriculum .....		44 credits
Mathematics	<b>GS150 College Mathematics I</b>	4
	<b>GS151 College Mathematics II</b>	4
Written Communications	<b>GS120 English Composition</b>	4
	<b>GS121 English Composition with Research</b>	4
Communications	GS126 Effective Speaking*	4
Humanities	<b>Approved Humanities Elective</b>	4

Science	<b>MD170 Anatomy &amp; Physiology I</b>	4
	<b>MD170L Anatomy &amp; Physiology I Lab</b>	2
	<b>MD171 Anatomy &amp; Physiology II</b>	4
	<b>MD171L Anatomy &amp; Physiology II Lab</b>	2
	<b>MD180 Medical Terminology</b>	4
Social Sciences	GS181 General Psychology*	4

Courses in BOLD must be completed prior to admission to OTA major courses.

\*GS126 Effective Speaking and GS181 General Psychology must be completed after beginning PTA major coursework but prior to taking PT220.

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### Revision to Page 99-100 Radiologic Technology Admissions Requirements

1. Submit official high school / GED transcripts as well as official transcripts from any college or university attended must have a GPA of 2.5 or above. Students who have taken, or are taking courses at South College-Asheville, must maintain a minimum GPA of 2.5.
2. 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 meet the South College-Asheville requirements for admission as a transfer student.
3. Complete the following pre-requisite coursework with a grade of “C” or better in each:
  1. MD170 Anatomy & Physiology I
  2. MD170L Anatomy & Physiology I Lab
  3. MD171 Anatomy & Physiology II
  4. MD171L Anatomy & Physiology II Lab
  5. GS120 English Composition
  6. GS150 College Mathematics I
  7. RT101 Foundations of Radiologic Technology
  8. RT111 Essentials of Patient Care

A minimum grade of “C” or better in a maximum of two attempts is required for each.

4. Submit (3) letters of recommendation from appropriate sources to the Imaging Sciences Program Chair, at South College-Asheville, using the forms provided.\*
5. Complete and submit documentation of at least 8 clock hours of clinical observation in a radiology department using the form provided by the program.\*
6. Complete an essay outlining why you have decided to enter the imaging profession and why you would be a good candidate for the Radiologic Technology Program.\*
7. Participate in an interview with the Radiologic Technology Program Admission Panel. Once all application material has been received, the Program Chair will contact the applicant to schedule an interview.\*
8. Be able to commit to full attendance and participation in a rigorous education program that requires class attendance, significant out-of-class preparation time, and clinical education assignments off campus.

Applicants are ranked based on ( \* ) stated categories listed above, for full program admission. If minimum standards are met by more applying students than clinical seats, these rankings determine program admission.

### Revision to Page 109 Program Requirements and Page 110 Admissions Requirements

All Medical Assisting students are required to complete 210 hours of unpaid, supervised clinical hours during the program.

All students must minimally meet the requirements for general admission to South College-Asheville. Program admission is granted when a student has met all requirements and is successfully enrolled in his/her first clinical course, the first course in the medical assisting curriculum in which a student is assessed on psychomotor (skill) and affective (behavior) competencies.

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## Revision to Pages 112, 120, 121, 124 –**COURSE DESCRIPTIONS/COURSE TITLES**

**BA 205                    FOUNDATIONS OF PERSONAL FINANCIAL MANAGEMENT                    4-0-0-4**

This course exposes the student to a wide range of important issues in managerial finance as well as personal financial management, including such topics as the federal reserve system, time value of money, financial ratios, and managerial techniques, which can be utilized in a personal or professional evaluation of the corporate entity.

*Prerequisite: BA100*

**CS120                    INTRODUCTION TO COMPUTERS                    3-2-0-4**

**REMOVED:** *Suggested Prerequisite: BE171 with a grade of C or better*

**GS126                    EFFECTIVE SPEAKING                    4-0-0-4**

This course introduces the principles of effective and ethical public speaking. Emphasis is placed on the preparation and delivery of speeches and the development of listening and teamwork skills.

**GS140                    PRINCIPLES OF BIOLOGY                    4-0-0-4**

Topics in this course include the properties of life, scientific methods, cells, basic genetics and biotechnology. The course also examines macro-evolutionary process and patterns as well as the origins of living biota. Emphasis on living systems will include metabolism, protein and nucleotide sequence, and morphology.

**GS150                    COLLEGE MATHEMATICS I                    4-0-0-4**

This course explores the number theory and the real number system, algebra, graphs and functions, systems of linear equations and inequalities, the metric system, and consumer mathematics.

**GS151                    COLLEGE MATHEMATICS II                    4-0-0-4**

This course focuses on inductive and deductive reasoning, set theory and Venn diagrams, geometry, probability, and statistics.

*Prerequisite: GS150*

**GS250                    COLLEGE MATHEMATICS III-STATISTICS                    4-0-0-4**

This course is an introductory course that explores statistics and statistical inferences. Specifically, the course will provide the students with basic statistical tools that are germane to all fields of study. Topics covered will include the proper use of statistics, the design of experiments, data analysis, probability distributions, hypothesis testing, regression, and analysis of variance.

*Prerequisite: GS150*

**GS120                    ENGLISH COMPOSITION                    4-0-0-4**









*Prerequisite: Department Chair Approval*

**RT421                    RADIOLOGY INTERNSHIP (MAMMOGRAPHY)**

**0-0-24-7**

The open format of this course is designed for the student to gain additional skills/experience necessary in the field of Radiographic Mammography. This course will provide the student an introduction to the radiographic profession of Mammography as well as meet initial criteria standards for registry certification set forth by the Mammography Quality Standards Act (MQSA) and the American College of Radiology (ACR).

*Prerequisite: Department Chair Approval*

**RT422                    GENERAL MODALITY RADIOLOGY INTERNSHIP**

**0-0-24-7**

The open format of the course is designed for the student to gain additional skills/experience necessary in a professional/clinical area of interest. Basic course objectives will be practical in nature for the modality of interest. The student in consultation with the instructor will develop valid course objectives.

*Prerequisite: Department Chair Approval*

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**Addition to Pages 152 – MEMBERS OF THE BOARD OF TRUSTEES FOR 2013-2015**

Brad Freeman, Sullivan and Chase

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**ADDITION OF NEW PROGRAMS  
NOT CURRENTLY ENROLLING**

**Bachelor of  
BUSINESS ADMINISTRATION**

**Mission/Purpose**

The mission of the South College-Asheville Business department is to prepare students to become successful professionals capable of functioning in a diverse, dynamic, global economy. The programs offered in the department emphasize teaching excellence and a learning environment that contributes to the business community through professional involvement and applied intellectual contributions.

**Bachelor of Business Administration**

The Bachelor of Business Administration program prepares students to enter the continually evolving world of business, government, and industry. Building on a foundation of liberal education in areas such as oral and written communication, mathematical reasoning, and social science, the business foundation and upper division courses expose students to the realms of accounting, management, finance, economics, and marketing. The program will prepare students to enter the ever changing field of business and industry.

Through completion of the Bachelor of Business Administration program, students will:

1. Examine current management practices and compose business correspondence necessary for communication and policy implementation in organizations.



2. Develop a marketing plan using marketing research, product development, pricing, distribution, and promotion strategies.
3. Evaluate business policies and strategies for effective organizational decision making.
4. Analyze and develop financial statements, journals, and ledgers as part of the accounting cycle.
5. Devise strategies for managing international businesses using management theory and economic principles of globalization.

### Admission Requirements

All students must minimally meet the requirements for general admission to South College-Asheville.

## Bachelor of BUSINESS ADMINISTRATION

<b>Business Administration Curriculum .....</b>			<b>192 credits</b>
<b>Area I- Core Curriculum .....</b>			<b>76 credits</b>
Computer Literacy	CS120	Introduction to Computers	4
	BE171	Keyboarding I	4
	BE290	Introduction to Word Processing	4
	CS104	Spreadsheet Applications	4
Mathematics	GS150	College Mathematics I	4
	GS151	College Mathematics II	4
	GS250	College Mathematics III – Statistics	4
Science		Approved Science Elective	4
Written Communications	GS120	English Composition	4
	GS121	English Composition with Research	4
Humanities	GS235	Introduction to Literature	4
		Approved Humanities Elective	4
Communications	GS126	Effective Speaking	4
	GS215	Interpersonal Communications	2
	GS305	Strategic Communication and Decision Making	4
Personal Development	PD111	College and Career Management	2
	PD112	Career Management	2
	PD212	Professional Development	2
Social Science	GS181	General Psychology	4
		Approved Social Science Electives	8
<b>Area II - Major Curriculum .....</b>			<b>116 credits</b>
	BA100	Accounting I	4
	BA101	Accounting II	4
	BA102	Accounting III	4
	BA136	Introduction to Business	4
	BA138	Business Law I	4

BA203	Business Taxation	4
BA205	Foundations of Personal Financial Management	4
BA237	Principles of Management	4
BA238	Business Law II	4
BA239	Principles of Marketing	4
BA245	Human Resource Management	4
BA250	Accounting Information Systems	4
BA260	Business Policy	4
BA272	Principles of Macroeconomics	4
BA273	Principles of Microeconomics	4
BA305	Management & Organizational Behavior	4
BA308	Managing Business Ethics	4
BA310	Managerial Accounting	4
BA311	Managerial Economics	4
BA320	Corporate Finance	4
BA350	Managing Financial Investments	4
BA410	Global Business	4
BA413	Strategic Planning	4
BA455	Small Business Management	4
BA460	Government and Business Economics	4
BE223	Business Communications	4
	Approved Electives	12

## NOT CURRENTLY ENROLLING

### **Bachelor of Science CRIMINAL JUSTICE**

#### **Mission/Purpose**

The mission of the South College-Asheville Criminal Justice Department is to continuously grow and improve a dynamic, broad based, innovative, and interdependent academic curriculum taught by competent, experienced professionals. It is designed to develop an appreciation among students for a well-rounded educational experience, competence in technical and professional knowledge and skills, personal initiative, leadership capabilities, and confidence.

#### **Bachelor of Science Criminal Justice**

The Bachelor of Science in Criminal Justice degree prepares students to be successful entry level professionals in the field of criminal justice as they enter a highly complex and competitive employment market place. It provides students who choose to further their education with a well-established academic foundation and education in areas related to policing, private security, private investigations, parole officers, probation officers, and crime analysts.

#### **Program Objectives**

1. Provide quality and professional instruction in current criminal justice related issues, topics, and trends that academically prepare students for further education, entry-level positions and/or opportunities for career advancement.
2. Create and maintain a positive relationship with the criminal justice community to ensure a quality program of study that meets the needs of employers.

3. Establish an environment that allows students to think logically and critically, to formulate, and to present and defend their positions.
4. Provide on-site internship experiences with a professional criminal justice agency.
5. Provide technical assistance and consultation services to criminal justice agencies.
6. Ensure that instructional courses are offered, updated and maintained that provide for the increasing sophistication of new technologies required for success in the criminal justice field.

### **Program Learning Outcomes**

Graduates completing the program will accomplish the following outcomes:

1. Demonstrate effective oral and written communication skills through written assignments and interaction with peers, faculty, and professional in the field.
2. Demonstrate knowledge of various criminal justice technological implications for effective collaborations and use in contemporary criminal justice agencies.
3. Identify and discuss the essential theoretical and practical concepts used in the criminal justice system.
4. Interpret and analyze scholarly research related to the criminal justice field and apply it to real world issues and contemporary practice.
5. Understand and articulate the role of critical stakeholders in the criminal justice system and how these roles and interactions influence desired outcomes in criminal justice systems.
6. Demonstrate and articulate understanding of a range of special topics related to existing criminal justice systems and how they influence the effective administration of justice.
7. Discuss the importance of community collaboration and partnerships in achieving positive criminal justice system outcomes.

### **Program Admissions Requirements**

All students must minimally meet the requirements for general admission to South College-Asheville.

**Criminal Justice Curriculum.....180 credits**

**Area I – Core Curriculum.....68 credits**

Computers	CS120	Introduction to Computers	4
Mathematics	GS150	College Mathematics I	4
	GS151	College Mathematics II	4
Science	GS140	Principles of Biology	4
	GS105	General Chemistry	4
Written Communications	GS120	English Composition	4
	GS121	English Composition with Research	4
Humanities	GS239	Major Authors	4
Communications	GS126	Effective Speaking	4
	GS215	Interpersonal Communications	2
	GS305	Strategic Communication and Decision Making	4
Personal Development	PD111	College Management	2
	PD112	Career Management	2
	PD212	Professional Development	2
Social Science	GS181	General Psychology	4
	GS186	Introduction to Sociology	4
	GS276	American Government	4
	GS271	American History	4

**Area II – Major Curriculum.....112 credits**

CJ101	Introduction to Criminal Justice	4
CJ110	Criminology	4
CJ120	Law Enforcement Operations	4
CJ125	Juvenile Justice	4
CJ131	Court Procedure/Evidence I	4
CJ132	Court Procedure/Evidence II	4
CJ170	Corrections	4
CJ208	Substance Abuse	4
CJ215	Criminal Investigations I	4
CJ216	Criminal Investigations II	4
CJ230	Constitutional Law I	4
CJ231	Constitutional Law II	4
CJ235	Organization/Administration	4
CJ240	Criminal Justice Professional Ethics	4
CJ270	Criminal Justice Internship	4
PL208	Criminal Law	4
CJ311	Civil Liability in Criminal Justice	4
CJ320	Research Methods in Criminal Justice	4
CJ330	Criminal Profiling	4
CJ340	Comparative Criminal Justice Systems	4
CJ360	Cybercrime	4
CJ425	Victimology	4
CJ435	Forensic Science	4
CJ440	Computer Forensics I	4
CJ441	Computer Forensics II	4
CJ445	Terrorism and National Security	4
CJ455	Topics in Criminal Justice	4
CJ465	Senior Internship	4

**ADDITION OF NEW PROGRAMS  
CURRENTLY ENROLLING**

**Associate of Applied Science  
BUSINESS ADMINISTRATION  
with a Concentration in Professional Brewing Science**

**Mission/Purpose**

The mission of the Associate of Applied Science in Business with a Concentration in Professional Brewing Science program is to provide the student with the foundational knowledge and hands-on training in business administration and practical brewing for the enhancement of successful employment in the brewing profession. Students will spend time in brewing facilities in order to supplement classwork with application.

**Program Description:**

The Associate of Applied Science in Business Administration with a Concentration in Professional Brewing Science program is designed to provide the student with foundational knowledge for successful employment in the brewing profession. Students complete foundational courses in areas such as science, mathematics, computer literacy, written and oral communications, humanities, social sciences, and professional development. They study major business courses in accounting, law, taxation, finance, and major courses specific to the profession of brewing. Students spend time in brewing facilities in order to supplement classwork with application.

**Program Outcomes:**

Graduates of this program of study will:

1. Demonstrate fundamental knowledge of functional areas of business accounting and information systems as they relate to the business of brewing;
2. Implement principles related to finance, management, and marketing;
3. Demonstrate a comprehensive understanding of the steps in the brewing process to include: grain handling, malting, malt analysis, yeast and fermentation processes, raw materials and wort production, beer production, quality control, packaging processes, flavor production;
4. Demonstrate the ability to utilize brew house facilities and brewing equipment;
5. Analyze research and current techniques in brewing industry literature;
6. Demonstrate the ability to use critical thinking and problem-solving skills;
7. Analyze and evaluate business concepts of the brewing industry and the day-to-day activities involved with the operation of a solvent brewing facility.

**ADMISSION REQUIREMENTS**

In addition to general admission requirements to South College-Asheville students must meet the following requirements:

1. All applicants must be at least 21 years of age as of the start date of the program.
2. Applicants must be capable of working in a physically demanding environment, including but not limited to: standing for long periods of time, climbing stairs, repeatedly lifting equipment and products in excess of 25 lbs., and using hand carts to move equipment and products exceeding 100 lbs.

Students applying to the Associate of Applied Science Business Administration with a Concentration in Professional Brewing Science program MUST be aware of the following:

1. Brewing facilities may require a criminal background check and/or clean drug screen prior to participation in activities at their facility. National and state regulations may also prohibit employment or co-op opportunities based on criminal records.
2. Cohort admission is based on internship site availability.

**ADDITION OF NEW PROGRAMS  
CURRENTLY ENROLLING**

**Associate of Applied Science  
BUSINESS ADMINISTRATION  
with a Concentration in Professional Brewing Science**

<b>Business Administration Curriculum .....</b>			<b>120 credits</b>
<b>Area I- Core Curriculum .....</b>			<b>44 credits</b>
Computer	CS120	Introduction to Computers	4
Literacy	BE171	Keyboarding I	4
Mathematics	GS150	College Mathematics I	4
	GS151	College Mathematics II	4
Science	Approved Science Elective		4

Written Communications	GS120	English Composition	4
	GS121	English Composition with Research	4
Humanities	GS235	Introduction to Literature	4
Communications	GS126	Effective Speaking	4
	GS215	Interpersonal Communication	2
Personal Development	PD212	Professional Development	2
Social Science	*Approved Social Science Elective		4

**Area II - Major Curriculum .....76 credits**

BA100	Accounting I	4
BA101	Accounting II	4
BA102	Accounting III	4
BA136	Introduction to Business	4
BA203	Business Taxation	4
BA205	Foundations of Personal Financial Management	4
BA237	Principles of Management	4
BA239	Principles of Marketing	4
BA250	Accounting Information Systems	4
CS104	Spreadsheet Applications	4
PL116	Contract Law	4
PB110	Fermentation Microbiology	2
PB120	Beverage Chemistry	2
PB130	General Physics and Brewing	2
PB140	Fluid Dynamics	2
PB150	Introduction to Brewing	2
PB160	Brewing Engineering	2
PB170	The Business of Brewing I	2
PB180	The Business of Brewing II	2
PB210	Grain Handling, Malting, & Malt Analysis	2
PB220	Yeast and Fermentation	2
PB230	Raw Materials and Wort Production	2
PB240	Beer Production and Quality Control	2
PB250	Packaging Processes	2
PB260	Flavor Production and Control	2
PB270	Classic and Craft Brew Beer Styles	2
PB280	Technical Case Studies	2

**ADDITION OF NEW PROGRAMS  
CURRENTLY ENROLLING**

**(Certificate)  
PROFESSIONAL BREWING SCIENCE**

**Mission/Purpose**

The mission of the Professional Brewing Science Certificate program is to provide the student with the foundational knowledge and hands-on training in practical brewing for the enhancement of successful employment in the brewing profession.

Students will spend time in brewing facilities in order to supplement classwork with application.

Applicants to the major must successfully complete the first quarter foundational science/math courses with a grade of C or better. The second and third quarters consist of courses related to brewing. Student may apply to the major rotation, but admission will not be made before grades are available for the first quarter foundational courses.

**Student Outcomes of the Professional Brewing Science Certificate Program**

Graduates of this program of study will:

1. Demonstrate a comprehensive understanding of the steps in the brewing process to include: grain handling, malting, malt analysis, yeast and fermentation processes, raw materials and wort production, beer production, quality control, packaging processes, flavor production;
2. Demonstrate the ability to utilize brew house facilities and brewing equipment;
3. Analyze research and current techniques in brewing industry literature;
4. Analyze and evaluate business concepts of the brewing industry and the day-to-day activities involved with the operation of a solvent brewing facility.

Students must meet the general requirements for admission to South College-Asheville. Applicants to the major must successfully complete the first quarter foundational science/math courses with a grade of C or better. Students may apply to the major rotation, but admission will not be made before grades are available for the first quarter foundational courses.

**GENERAL ADMISSION REQUIREMENTS**

In addition to general admission requirements to South College-Asheville students must meet the following requirements:

1. All applicants must be at least 21 years of age as of the start date of the program.
2. Applicants must be capable of working in a physically demanding environment, including but not limited to: standing for long periods of time, climbing stairs, repeatedly lifting equipment and products in excess of 25 lbs., and using hand carts to move equipment and products exceeding 100 lbs.

Students applying to the Professional Brewing Science Certificate program MUST be aware of the following:

1. Brewing facilities may require a criminal background check and/or clean drug screen prior to participation in activities at their facility. National and state regulations may also prohibit employment or co-op opportunities based on criminal records.
2. Cohort admission is based on internship site availability.

Professional Brewing Science Certificate Curriculum 40 credits

Science Elective 4

GS150	College Mathematics I	4
PB110	Fermentation Microbiology	2
PB120	Beverage Chemistry	2
PB130	General Physics and Brewing	2
PB140	Fluid Dynamics	2
PB150	Introduction to Brewing	2
PB160	Brewing Engineering	2
PB170	The Business of Brewing I	2
PB180	The Business of Brewing II	2
PB210	Grain Handling, Malting, & Malt Analysis	2
PB220	Yeast and Fermentation	2
PB230	Raw Materials and Wort Production	2
PB240	Beer Production and Quality Control	2
PB250	Packaging Processes	2
PB260	Flavor Production and Control	2
PB270	Classic and Craft Brew Beer Styles	2
PB280	Technical Case Studies	2

**Applicants to the major must successfully complete the first quarter foundation science/math courses with a grade of C or better.**

**Course Descriptions to be added to Catalog**

**BA138 BUSINESS LAW I 4-0-0-4**

Business Law I is a study of the development of American Law and procedure covering information on the formation and performance of contracts. This course includes a study of sales under the Uniform Commercial code. Both the text and case study methods are utilized.

**BA238 BUSINESS LAW II 4-0-0-4**

This course covers the law of basic business associations including agencies, partnerships, corporations, and limited liability companies. This course will include a discussion of franchise and relevant property concepts, and a study of negotiable instruments using the Uniform Commercial Code.

**BA260 BUSINESS POLICY 4-0-0-4**

This course is designed to integrate the functional business disciplines covered in the business curriculum. Case studies and company/industry analyses will be used with focus given to problem analysis, problem solving, and decision making.

*Prerequisites: BA250, BA237, BA239, BA272, and BA273, all with a grade of C or better*

**BA305 MANAGEMENT AND ORGANIZATIONAL BEHAVIOR 4-0-0-4**

This course provides a strong conceptual framework for the studying, understanding, and application of behavioral concepts related to motivation, leadership, work groups, and communication. While advancing the concepts learned in Principles of Management, it emphasizes contemporary perspectives on research-based topics in organizational management and behavior. Real world applications and examples reinforce student understanding of organizational behavior issues.

*Prerequisite: Permission from Department Chair*

**BA308 MANAGING BUSINESS ETHICS 4-0-0-4**







**CJ340                    COMPARATIVE CRIMINAL JUSTICE SYSTEMS                    4-0-0-4**

This course provides a cross-national survey of crime and criminal justice. Emphasis is placed on crime rates, forms of criminality, police, courts, and corrections. The course also focuses on criminal justice components and thematic issues common among nations worldwide and provides insight into the various methods employed by those nations in administering criminal justice.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ360                    CYBERCRIME                    4-0-0-4**

This course examines the nature and scope of cybercrime and the legal response to high-tech crime, including the challenges presented to legal frameworks. Also identified and discussed are core cybercrime issues and the prevailing legal authorities (statutes, regulations, policies) that address these issues. Developing trends in cybercrime and cyber law are examined.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ425                    VICTIMOLOGY                    4-0-0-4**

This course discusses the special relationship between victims and the criminal justice system. Specific topics include an analysis of victim characteristics, victim reporting and non-reporting, victim treatment, victim assistance programs, and victim restitution.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ435                    FORENSIC SCIENCE                    4-0-0-4**

This course introduces students to the field of forensic science including collection, analysis, and evidentiary value in a criminal investigation. Topics discussed include organic and inorganic chemical analyses of physical evidence, principles of serology and DNA analysis, identification of fresh and decomposed human remains, ballistics, fingerprint analysis, facial reconstruction, drug analysis, and forensic entomology.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ440                    COMPUTER FORENSICS I                    4-0-0-4**

This course is designed to guide the student toward becoming skilled in computer forensics through classroom lectures and hands-on projects. It acquaints the student with current and past operating systems.

*Prerequisite: CS120, CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ441                    COMPUTER FORENSICS II                    4-0-0-4**

This course is a continuation of CJ 440 Computer Forensics I. It includes hands-on instruction and discussion about such topics as evidence identification and extraction, hardware and software needed to do a seizure, procedures to recover erased files, procedures to overcome encryption, and high-tech legal issues.

*Prerequisite: CJ440*

**CJ445                    TERRORISM AND NATIONAL SECURITY                    4-0-0-4**

This course discusses the history of terrorism, types of terrorism, formation, motives, and leadership topics. Additionally, an examination of various national security efforts and the law are examined.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ455 TOPICS IN CRIMINAL JUSTICE 4-0-0-4**

In this course, topics of focus include family violence, the sociology of murder, race and the criminal justice system, the death penalty, women and crime, and penology.

*Prerequisite: CJ270 with a grade of C or better or with approval of the Department Chair*

**CJ465 SENIOR INTERNSHIP 0-0-12-4**

This internship requirement offers seniors, who have completed a lower division internship, another opportunity to obtain experience in a criminal justice agency and to test career options in their chosen field. Students will be expected to work at least twelve (12) hours per week at the internship site. A total of 120 unpaid hours must be completed at the facility.

*Prerequisites: CJ270, CJ311, CJ330, CJ340, CJ360, CJ425, CJ435, CJ445, CJ455 (with grade C or better or concurrent enrollment with approval from Department Chair)*

**PB110 FERMENTATION MICROBIOLOGY 3-2-0-2**

This course provides a detailed study of the microorganisms and the biochemical processes that are likely to occur during the various stages of the brewing process. The laboratory exercises provide opportunities to acquire skills in microbiology and microscopy. Practical work reinforces the techniques required to isolate and identify microorganisms, as well as demonstrate some of the latest developments in brewing microbiology. The course also acquaints the student with the appropriate methods for biological and sanitary control within the brewery, and promotes an understanding of the essential modern-day tools for effective microbiological evaluation of process and product.

*Prerequisites: GS150, Science Elective, and PB120 all with a grade of C or better*

**PB120 BEVERAGE CHEMISTRY 3-2-0-2**

This course introduces the student to general chemistry as it pertains to alcoholic beverages and the brewing of beer. The properties of water, pH, proteins, and carbohydrates will be reviewed, as well as their role in brewing. A consistent theme in the course is the development of a quantitative understanding of the interactions of biological molecules from a structural, thermodynamic, and molecular dynamic point of view, particularly as they pertain to fermentation. Inspecting practical examples of chemistry in the lab will also be performed.

*Prerequisites: GS150 and Science Elective with a grade of C or better*

**PB130 GENERAL PHYSICS AND BREWING 4-0-0-2**

This fundamental course in physics describes and explains the laws of mechanics, motion, gravity, impulse and momentum, energy, the interaction of forces, work, power, friction, conservation laws, and the physics of fluids. Particular emphasis is placed on the physics of the brewing equipment.

*Prerequisites: GS150 and Science Elective with a grade of C or better*

**PB140 FLUID DYNAMICS 3-2-0-2**

This course continues use of the principles learned in PB130. Special attention is given to those aspects of engineering that are important in breweries, including fluid flow (equipment such as pumps, pipes, and valves), properties of steam, energy balances, heat transfer and refrigeration (boilers, calandria, heat exchangers, and

refrigeration plant), and gas laws (carbonation and dispense). Visiting the brew house to view practical examples will be performed.

*Prerequisites: GS150, Science Elective, and PB130 all with a grade of C or better*

**PB150 INTRODUCTION TO BREWING 4-0-0-2**

Working in the commercial brewing industry requires diverse knowledge about the process of creating beer. Brewers who are looking to master the art and science of brewing need to start with a sound foundation of understanding in the most critical areas of the brewing process, and for those brewers this course gives an introduction into the world of brewing quality beer. Topics include: Brewing Process Overview; Alcohol, Beer and Health; History of Brewing; Beer Styles; and Introduction to Sensory Perception—Taste and Smell—as it relates to beer identification and quality.

*Prerequisite: GS150 and Science Elective with a grade of C or better*

**PB160 BREWING ENGINEERING 4-0-0-2**

Brewing Engineering continues the coursework introduced in PB130 and PB150. Primary attention is given to understanding those principles that relate to, illuminate, and permit the solution of realistic problems and explain brewing equipment design. Studies of the different brewing styles and equipment are covered, as well as analyzing real-life examples of different brew houses.

**PB170 THE BUSINESS OF BREWING I 4-0-0-2**

This course introduces small business start-up and management in general. Cash management, overhead control, and pricing are discussed. Basic business skills and extrapolating these into the brewing industry is then considered.

*Prerequisites: GS150 and Science Elective with a grade of C or better*

**PB180 THE BUSINESS OF BREWING II 4-0-0-2**

Business fundamentals are continued in this course to include hiring of employees, workers compensation insurance, inventory, quality control, and marketing in the brewing business. The major components of the Uniform Commercial Code governing sales contracts are outlined. The student will complete a business plan for a new, small brewing business start-up using the knowledge gained in both PB170 and PB180.

*Prerequisites: PB170 with a grade of C or better*

**PB210 GRAIN HANDLING, MALTING, AND MALT ANALYSIS 4-0-0-2**

This course seeks to establish understanding of the carbohydrate source of fermentation in quality beer production. Topics include barley breeding and selection, malt kilning, barley types, structure, and morphology. Adjunct types, brewing water composition, and malt steeping are also discussed. Specialty malts are researched.

*Prerequisite: GS150 and a science elective with a grade of C or better*

**PB220 YEAST AND FERMENTATION 4-0-0-2**

This course explains the detailed topics of beer fermentation learned in PB210 and concentrates on the microorganism that generates the by-products of alcoholic beverages, particularly beer.

**PB230 RAW MATERIALS AND WORT PRODUCTION 3-0-3-2**

This course provides a foundation in the technology and science of wort creation. Each critical factor in wort production, from barley growth to wort boiling and cooling, is discussed in detail. Students complete this course with a complete understanding of the effects of products and processes on this area of the brewing cycle. The topics and material covered in this course will be studied in the classroom, as well as in the brew house.

**PB240 BEER PRODUCTION AND QUALITY CONTROL 3-0-3-2**

This course continues topics covered in BS230, including completion of wort cooling and boiling and the evaluation of packaged beer. In-depth instruction in fermentation and maturation, including all aspects of yeast handling and performance, is provided. The process of quality control and assurance is discussed, ensuring that students understand the critical role that QA/QC plays in retaining the consistency and longevity of beer and other malt-based fermented products. The topics and material covered in this course will be studied in the classroom, as well as in the brew house.

**PB250 PACKAGING PROCESSES 3-0-3-2**

This course deals with processing and packaging of finished beer, as well as important engineering and “physical properties” issues. The packaging information includes the most recent developments in alternative materials (such as plastic bottles) and super-high-speed bottling systems. Engineering and process instruction includes topics such as properties of metals and other materials, fluid and pump dynamics, and other areas critical to improving brewery performance. The topics and material covered in this course will be studied in the classroom, as well as in the brew house.

**PB260 FLAVOR PRODUCTION AND CONTROL 4-0-0-2**

This course introduces students to samples of flavor and aromatic compounds associated with raw materials and brewing, analyzes the origins of those compounds, and provides foundational knowledge required to effectively control them.

**PB270 CLASSIC AND CRAFT BREW BEER STYLES 4-0-0-2**

This course provides in-depth analysis of the techniques and technologies used to design and brew the full range of established and emerging styles. During the course, each style category and sub-category is presented in detail, with emphasis on the methodology used to brew beer that matches the style parameters, while retaining the brewer’s own artistic interpretation.

**PB280 TECHNICAL CASE STUDIES 3-0-3-2**

This course is designed to emulate the dynamic found in commercial breweries. Students become part of individual or small work groups where they are assigned case studies based on actual situations from operating breweries. Students must then assign individual responsibilities, conduct research, create and deliver reports to the class, and provide conclusions based on their findings. The focus of the Technical Case Studies course is to build both competence and confidence as preparation to participate in managerial operations in the brewery.