

**Agriculture and Natural Resources****Sustainable Agriculture  
Credential: Associate in Applied Science in  
Sustainable Agriculture  
A15410**

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. Students learn the fundamentals of sustainable agriculture, focusing on crop production and farm business. Emphasis is placed on entrepreneurial and practical field training. Students will complete a business plan and an agricultural internship in marketing and farming. Graduates are qualified for employment in a variety of positions associated with sustainable agriculture, including horticultural and livestock operations, wholesale and retail management, nursery operations, and environmental and agricultural education.

Program Length: 5 semesters

Career Pathway Options: Associate in Applied Science in Sustainable Agriculture

Program Sites: Pittsboro Campus - Day Program

**Course Requirements for Sustainable Agriculture Degree**

A. General Education Courses (15 SHC)		C-L-SHC
ENG 111	Writing and Inquiry	3-0-3
ENG 114	Professional Research and Reporting Humanities/Fine Arts Elective	3-0-3 3-0-3
MAT 143	Quantitative Literacy	2-2-3
	Social/Behavioral Science Elective	3-0-3
B. Required Major Core Courses (19 SHC)		
AGR 111	Basic Farm Maintenance	1-3-2
AGR 121	Biological Pest Management	3-0-3
AGR 139	Introduction to Sustainable Agriculture	3-0-3
AGR 160	Plant Science	2-2-3
AGR 170	Soil Science	2-2-3
BUS 280	REAL Small Business	4-0-4
WBL 111	Work-Based Learning I	0-10-1
C. Other Major Hours Required (33 SHC)		
AGR 212	Farm Business Management	3-0-3
AGR 214	Agricultural Marketing	3-0-3
AGR 220	Agriculture Mechanization	2-2-3
AGR 221	Farm Structures	2-2-3
	OR	
HOR 130	Greenhouse Design	3-0-3
HOR 168	Plant Propagation	2-2-3
AGR 265	Organic Crop Production: Spring	2-2-3
	OR	
AGR 266	Organic Crop Production: Fall	2-2-3
AGR 268	Adv. Organic Crop Production	2-6-4
AGR 293	Selected Topics in Sustainable Agriculture	3-0-3
ANS 110	Animal Science	3-0-3

ANS 111	Sustainable Livestock Management	2-2-3
CIS 111	Basic PC Literacy	1-2-2

Student Success – Select One

ACA 111 College Student Success 1-0-1

ACA 115 Success and Study Skills 0-2-1

ACA 122 College Transfer Success 1-0-1

Total Semester Hours Credit Required for Graduation: 68

**Sustainable Agriculture  
Credential: Certificate in Agricultural  
Sustainability  
C1541010**

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. Coursework includes classroom study and practical application of skills and concepts in the field. An understanding of the fundamental principles and practices of sustainable agriculture are emphasized. This certificate is appropriate for individuals interested in adding knowledge and skills in sustainability for employment in areas such as agriculture education, farmer advocacy work, non-profit organizations with agricultural missions in developing countries.

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science in Sustainable Agriculture.

Program Site: Chatham Campus – Day Program

**Course Requirements for Agriculture Sustainability Certificate**

AGR 121	Biological Pest Management	3-0-3
AGR 139	Introduction to Sustainable Agriculture	3-0-3
AGR 170	Soil Science	2-2-3
AGR 265/6	Organic Crop Production (Spr or Fall)	2-2-3
AGR 293	Selected Topics in Sustainable Ag	3-0-3
AGR 265/6	Organic Crop Production (Spr or Fall)	2-2-3
	OR	
ANS 111	Sustainable Livestock Management	2-2-3

Total Semester Hours Credit Required for Graduation: 18

**Sustainable Agriculture  
Credential: Certificate in Sustainable  
Livestock Systems  
C1541020**

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. Coursework includes fundamental sustainable agriculture concepts, study of the soil systems as they relate to pasture fertility and

livestock health and marketing practices typical of small-scale, local food systems. Appropriate breed selection, pasture management and direct marketing are emphasized. This certificate is appropriate for individuals interested in integrating sustainable livestock production into their current agricultural system, agriculture educators, and individuals interested in working in the food and fiber industry.

Program Length: 2 semesters  
 Career Pathway Options: Associate in Applied Science in Sustainable Agriculture  
 Program Site: Chatham Campus – Day Program

**Course Requirements for Sustainable Livestock Systems Certificate**

AGR 139	Introduction to Sustainable Agriculture	3-0-3
AGR 170	Soil Science	2-2-3
AGR 214	Agricultural Marketing	3-0-3
ANS 110	Animal Science	3-0-3
ANS 111	Sustainable Livestock Management	2-2-3

Total Semester Hours Credit Required for Graduation: 15

**Sustainable Agriculture  
 Credential: Certificate in Sustainable  
 Vegetable Production  
 C1541030**

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. Coursework in the sustainable vegetable production certificate program focuses on the foundational principles for sustainable vegetable production from soil preparation to marketing a premium quality product. Graduates are prepared to work in vegetable production systems and related fields, such as farm market manager, produce manager or garden technician in retail settings.

Program Length: 2 semesters  
 Career Pathway Options: Associate in Applied Science in Sustainable Agriculture.  
 Program Site: Chatham Campus – Day Program

**Course Requirements for Sustainable Vegetable Production Certificate**

AGR 121	Biological Pest Management	3-0-3
AGR 139	Introduction to Sustainable Agriculture	3-0-3
AGR 170	Soil Science	2-2-3
AGR 214	Agricultural Marketing	3-0-3
AGR 265/6	Organic Crop Production: (Spr or Fall)	2-2-3

Total Semester Hours Credit Required for Graduation: 15

**Health Sciences**

**Associate Degree Nursing  
 Credential: Associate in Applied Science in  
 Associate Degree Nursing  
 A45110**

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Coursework includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

**Limited Enrollment Curriculum:**

The Associate Degree Nursing program is a limited enrollment curriculum and program applicants are accepted based upon a selective admissions process. Admission criteria for the Associate Degree Nursing program are reviewed annually and are subject to change. Enrollment is limited to the number of approved spaces allocated by the North Carolina Board of Nursing.

**A. PROGRAM SPECIFIC ENTRANCE STANDARDS:**

**Admission**

A student can apply to the Associate Degree Nursing program once eligibility requirements have been met. Prospective students must attend an information session prior to submitting an application to the Associate Degree Nursing program. Applicants are required to contact the Associate Degree Nursing Admissions Counselor to develop an Academic Plan, review progress, obtain an Associate Degree Nursing Program Application and to be scheduled into an information session to confirm that all minimum requirements are met.

After an applicant has completed all general college admission requirements and all Associate Degree Nursing entrance required criteria, he/she must submit a completed Associate Degree Nursing Program Application. Applicants who have completed the Associate Degree Nursing Program Application by the deadline will be ranked by tallied points and offered admission in order of ranking. Eligible applicants that did not gain entry will be kept on an alternate