

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	3-0-3
Humanities/Fine Arts Elective	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	0-2-1

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: (Spring or Fall)	2-2-3

Total Semester Hours Credit Required for Graduation: 15

Health Sciences

LOUISE L. TULLER SCHOOL OF NURSING

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 applicants are highly encouraged to complete an information session as well as contact the Associate Degree Nursing Admissions Counselor prior to developing a plan for completing these requirements. The Admissions Counselor will review each applicant's progress, provide further guidance, and allow access to the Health Science Program application once all minimum admission requirements are met.

Once an applicant has completed all general admissions criteria and all Associate Degree Nursing entrance requirements, he/she must submit a completed Health