TURFGRASS MANAGEMENT TECHNOLOGY
A.A.S. Program (A15420)

Most courses required to meet graduation requirements in this curriculum are offered during day hours only. Minimum time for completion: five semesters full-time attendance. The Associate in Applied Science Degree is awarded graduates of this curriculum. CVCC has a 2 + 2 Articulation Agreement with NC Agricultural and Technological State University in Horticulture. CVCC has a 2+2 Online Articulation Agreement with Pennsylvania State University for the B.S. Degree in Turfgrass Management.

The Turfgrass Management Technology curriculum is designed to provide skills necessary to perform duties related to management of golf courses, sports fields, lawn care, irrigation design, and sod production. Coursework includes turfgrass management, irrigation, ornamental horticulture, soil science, entomology, plant pathology, as well as courses in communications, computers, and the social sciences. Graduates should qualify for employment at golf courses, local, state, and national parks, sports complexes, highway vegetation, and turf maintenance companies. Graduates should also be prepared to take the North Carolina Pesticide Applicator’s examination.

GENERAL EDUCATION COURSES:

English/Communications:
ENG 111 Writing and Inquiry .................................................................3
ENG 114 Prof Research & Reporting ......................................................3
OR ENG 112 Writing/Research in the Disc ............................................3
OR ENG 113 Literature-Based Research .................................................3

Humanities/Fine Arts:
Elective .....................................................................................................3

Natural Sciences/Mathematics:
MAT 110 Math Measurement & Literacy ..............................................3
OR MAT 143 Quantitative Literacy .........................................................3

Social/Behavioral Sciences:
Elective .....................................................................................................3

MAJOR COURSES:
HOR 162 Applied Plant Science ..............................................................3
HOR 166 Soils & Fertilizers ....................................................................3
TRF 110 Intro Turfgrass Cult & ID ...........................................................4
TRF 120 Turfgrass Irrig & Design ............................................................4
TRF 125 Turfgrass Computer App .............................................................2
TRF 130 Native Flora ID ........................................................................2
TRF 140 Turfgrass Mgmt Safety .............................................................2
TRF 150 Landscape Drafting .................................................................2
TRF 151 Intro Landscape Design ..............................................................2
TRF 152 Landscape Maintenance ............................................................3
TRF 210 Turfgrass Eqmt Mgmt ...............................................................1
TRF 220 Turfgrass Calculations .............................................................2
TRF 225 Golf/Sport Field Const ...............................................................4
TRF 230 Turfgrass Mgmt Apps ..............................................................2
TRF 240 Turfgrass Pest Control ..............................................................3
TRF 250 Golf/Sport Field Const ...............................................................4
TRF 260 Adv Turfgrass Mgmt .................................................................4
WBL XXX Work-Based Learning ............................................................5

OTHER REQUIRED COURSES:
SPA 120 Spanish for the Workplace .......................................................3

Total Credit Hours Required ................................................................70

DEVELOPMENTAL COURSE REQUIREMENTS*

CTS 080 Computing Fundamentals .........................................................3
DRE 098 Integrated Reading III .............................................................3
DMA DMA 010, DMA 020, DMA 030 (MAT 110) ..................................3
DMA DMA 010, DMA 020, DMA 030, DMA 040, DMA 050 (MAT 143) ....5

TURFGRASS MANAGEMENT TECHNOLOGY
OnLine Certificate Program (C1542002)

Fall – 1st year
HOR 166 Soils & Fertilizers .................................................................3
TRF 110 Intro Turfgrass Cult & ID ..........................................................4
TRF 120 Turfgrass Irrig & Design ..........................................................4
TRF 220 Turfgrass Calculations .............................................................2
TRF 240 Turfgrass Pest Control .............................................................3

Total 7 6 0 10

Spring – 1st year
TRF 120 Turfgrass Irrig & Design ..........................................................2
TRF 220 Turfgrass Calculations .............................................................2

Total 4 4 0 6

Grand Total 11 10 0 16

*Developmental coursework (including all prerequisites) will be required of students whose placement test scores indicate a need for greater proficiency in the areas of reading, English, mathematics, and computers. Please refer to the Course Descriptions section for prerequisite course information.
TURFGRASS MANAGEMENT TECHNOLOGY
Diploma Program (D15420)

GENERAL EDUCATION COURSES:

SHC

ENG 111 Writing amd Inquiry ...............................................................3
MAT 110 Math Measurement & Literacy ..............................................3
OR MAT 143 Quantitative Literacy .....................................................3

MAJOR COURSES:

HOR 166 Soils & Fertilizers ...............................................................3
TRF 110 Intro Turfgrass Cult & ID ......................................................4
TRF 120 Turfgrass Irrigat & Design ....................................................4
TRF 130 Native Flora ID ....................................................................2
TRF 140 Turfgrass Mgmt Safety ..........................................................3
TRF 151 Intro Landscape Design ..........................................................3
TRF 210 Turfgrass Eqmnt Mgmt ............................................................3
TRF 220 Turfgrass Calculations ............................................................2
TRF 240 Turfgrass Pest Control ............................................................3
TRF 250 Golf/Sport Field Const ............................................................4
WBL XXX Work-Based Learning .........................................................4

Total Credit Hours Required ........................................................................41

DEVELOPMENTAL COURSE REQUIREMENTS*

DRE 098 Integrated Reading Writing III .....................................................3
MAT DMA 010, DMA 020, DMA 030 (MAT 110) ...............................................3
MAT DMA 010, DMA 020, DMA 030, DMA 040, DMA 050 (MAT 143) ...........5

*Developmental coursework (including all prerequisites) will be required of
students whose placement test scores indicate a need for greater proficiency in
the areas of reading, English, mathematics, and computers. Please refer to the
Course Descriptions section for prerequisite course information.

Fall – 1st year

ENG 111 Writing and Inquiry 3 0 0 3
MAT 110 Math Measurement & Literacy 2 2 0 3
OR MAT 143 Quantitative Literacy 2 2 0 3
HOR 166 Soils & Fertilizers 2 2 0 3
TRF 110 Intro to Turfgrass Cult & ID 3 2 0 4
TRF 130 Native Flora ID 1 3 0 2
TRF 140 Turfgrass Mgmt Safety 2 2 0 3
TRF 240 Turfgrass Pest Control 2 2 0 3

Total 15 13 0 21

Spring – 1st year

TRF 120 Turfgrass Irrigat & Design 2 4 0 4
TRF 151 Intro Landscape Design 2 2 0 3
TRF 220 Turfgrass Calculations 2 0 0 2
TRF 250 Golf/Sport Field Const 2 4 0 4
WBL XXX Work-Based Learning 0 0 20 2

Total 4 4 0 6

Grand Total 11 10 0 16

TURFGRASS MANAGEMENT TECHNOLOGY
Certificate Program (C15420)

MAJOR COURSES:

SHC

TRF 110 Intro Turfgrass Cult & ID .............................................................4
TRF 120 Turfgrass Irrigat & Design ..........................................................4
TRF 140 Turfgrass Mgmt Safety .................................................................3
TRF 220 Turfgrass Calculations .................................................................3
TRF 240 Turfgrass Pest Control .................................................................3

Total Credit Hours Required ........................................................................16

Fall – 1st year

TRF 110 Intro Turfgrass Cult & ID 3 2 0 4
TRF 140 Turfgrass Mgmt Safety 2 2 0 3
TRF 240 Turfgrass Pest Control 2 2 0 3

Total 7 6 0 10

Spring – 1st year

TRF 120 Turfgrass Irrigat & Design 2 4 0 4
TRF 220 Turfgrass Calculations 2 0 0 2

Total 4 4 0 6

Grand Total 11 10 0 16