

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

**Turfgrass Management Technology • A15420
Suggested Program Sequence Day**

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 an 2 + 2 Articulation Agreement with N.C. Agricultural and Technological State University in Horticulture. CVCC has an 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. Course work 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, and private and public gardens. Graduates should also be prepared to take the North Carolina Pesticide Applicator's examination.

GENERAL EDUCATION COURSES:

SHC

English/Communications:

ENG 111	Expository Writing	3
ENG 114	Prof Research & Reporting	3
OR		
ENG 112	Argument-Based Research	3
OR		
ENG 113	Literature-Based Research	3

Humanities/Fine Arts:

Elective		3
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Natural Sciences/Mathematics:

MAT 115	Mathematical Models	3
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Social/Behavioral Sciences:

Elective		3
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MAJOR COURSES:

COE 113	Co-op Work Experience I	3
COE XXX	Co-op Work Experience	2
HOR 162	Applied Plant Science	3
HOR 166	Soils & Fertilizers	3
TRF 110	Intro Turfgrass Cult & ID	4
TRF 120	Turfgrass Irrigat & Design	4
TRF 125	Turfgrass Computer App	2
TRF 130	Native Flora ID	2
TRF 140	Turfgrass Mgmt Safety	3
TRF 150	Landscape Drafting	2
TRF 151	Intro Landscape Design	3
TRF 152	Landscape Maintenance	3
TRF 210	Turfgrass Eqmt Mgmt	3
TRF 220	Turfgrass Calculations	2
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

OTHER REQUIRED COURSES:

SPA 120	Spanish for the Workplace	3
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Total Credit Hours Required70

DEVELOPMENTAL COURSE REQUIREMENTS*

ENG 090	Composition Strategies	3
MAT DMA 010, DMA 020, DMA 030, DMA 040, DMA 050		5
RED 090	Improved College Reading	4

*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.

			Class	Lab	Clin/WkExp	Credit
Fall - 1st year						
ENG 111	Expository Writing		3	0	0	3
MAT 115	Mathematical Models		2	2	0	3
TRF 110	Intro to Turfgrass Cul & ID		3	2	0	4
HOR 166	Soils & Fertilizers		2	2	0	3
TRF 150	Landscape Drafting		1	3	0	2
HOR 162	Applied Plant Science		2	2	0	3
	Total		13	11	0	18
Spring - 1st year						
TRF 220	Turfgrass Calculations		2	0	0	2
TRF 210	Turfgrass Equipment Mgmt		1	4	0	3
TRF 120	Turfgrass Irrigat & Design		2	4	0	4
ENG 114	Prof Research & Reporting (Preferred)		3	0	0	3
OR	ENG 112 Argument-Based Research		3	0	0	3
OR	ENG 113 Literature-Based Research		3	0	0	3
TRF 151	Intro Landscape Design		2	2	0	3
	Total		10	10	0	15
Summer - 1st year						
COE 113	Co-op Work Experience I		0	0	30	3
	Total		0	0	30	3
Fall - 2nd year						
TRF 240	Turfgrass Pest Control		2	2	0	3
TRF 140	Turfgrass Mgmt Safety		2	2	0	3
TRF 125	Turfgrass Computer App		1	3	0	2
TRF 130	Native Flora ID		1	3	0	2
TRF 152	Landscape Maintenance		2	2	0	3
COE XXX	Co-op Work Experience I		0	0	0	1
	Humanities/Fine Arts Elective		3	0	0	3
	Total		11	12	0	17
Spring - 2nd year						
TRF 260	Adv Turfgrass Mgmt		3	2	0	4
TRF 230	Turfgrass Mgmt Apps		1	2	0	2
TRF 250	Golf/Sport Field Const		2	4	0	4
COE XXX	Co-op Work Experience II		0	0	0	1
SPA 120	Spanish for the Workplace		3	0	0	3
	Social/Behavioral Science Elective		3	0	0	3
	Total		12	8	0	17
	Grand Total		46	41	30	70

TURFGRASS MANAGEMENT TECHNOLOGY Diploma Program (D15420)

GENERAL EDUCATION COURSES:		SHC
ENG 111	Expository Writing	3
MAT 115	Mathematical Models	3

MAJOR COURSES:		
COE 113	Co-op Work Experience I	3
COE XXX	Co-op Work Experience	2
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 Eqmt Mgmt	3
TRF 220	Turfgrass Calculations	2
TRF 240	Turfgrass Pest Control	3
TRF 250	Golf/Sport Field Const	4
Total Credit Hours Required		39

DEVELOPMENTAL COURSE REQUIREMENTS*		
ENG 090	Composition Strategies	3
MAT DMA 010, DMA 020, DMA 030, DMA 040, DMA 050	5
RED 090	Improved College Reading	4

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Fall - 1st year			
ENG 111	Expository Writing	3	0
MAT 115	Mathematical Models	2	2
HOR 166	Soils & Fertilizers	2	2
TRF 110	Intro to Turfgrass Cul & ID	3	2
TRF 140	Turfgrass Mgmt Safety	2	2
TRF 240	Turfgrass Pest Control	2	2
Total		12	8
Spring - 1st year			
TRF 120	Turfgrass Irrigat & Design	2	4
TRF 151	Intro Landscape Design	2	2
TRF 210	Turfgrass Equipment Mgmt	1	4
TRF 220	Turfgrass Calculations	2	0
TRF 250	Golf/Sport Field Const	2	4
COE XXX	Co-op Work Experience I	0	0
Total		9	14
Summer - 1st year			
COE 113	Co-op Work Experience I	0	0
Total		0	0
Grand Total		21	22

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	2
TRF 240	Turfgrass Pest Control	3
Total Credit Hours Required		16

DEVELOPMENTAL COURSE REQUIREMENTS*		
ENG 090	Composition Strategies	3
MAT DMA 010, DMA 020, DMA 030, DMA 040, DMA 050	5
RED 090	Improved College Reading	4

*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			
TRF 110	Intro to Turfgrass Cul & ID	3	2
TRF 140	Turfgrass Mgmt Safety	2	2
TRF 240	Turfgrass Pest Control	2	2
Total		7	6
Spring - 1st year			
TRF 120	Turfgrass Irrigat & Design	2	4
TRF 220	Turfgrass Calculations	2	0
Total		4	4
Grand Total		11	10