

# ASSOCIATE OF APPLIED SCIENCE DEGREE WATER/WASTEWATER SPECIALIZATION (828-02) (available as a distance education option: <http://water.me.vccs.edu>)

## About Our Program

The Water/Wastewater Major student will take course work from a wide array of natural resource offerings. These courses stress the practical application of scientific principles to the treatment of water for human consumption and for protection of water resources.

## Distance Education Option

The entire Water/Wastewater Program can be completed through distance education courses. All technical courses are available through the world wide web at [www.me.vccs.edu](http://www.me.vccs.edu). All support courses are available through either video or web-based instruction.

## Opportunities For Employment

The Associate of Applied Science degree program in Environmental Science is designed to prepare students for employment in municipal and industrial treatment facilities and laboratories. State agencies and private companies also employ MECC Environmental Science graduates. As environmental concerns continue to make news headlines, the job market continues to expand.

## Special Considerations

Entry into the program requires taking the English and mathematics placement tests. If deficiencies are found, you will be required to correct them.

Students may not take a course out of normal sequence without the approval of your advisor. Approval will be based on practical experience and courses previously completed.

Students may receive regular college course credit for on-the-job experience or vocational school training if it is validated and approved by the College. If you feel you may benefit from this, you are urged to contact your advisor.

## Opportunities For Advancement

Coursework in the Water/Wastewater Major prepares students for the state certification exam required for a water or wastewater operator's license. This license is essential for career advancement. Students will also be able to keep abreast of technological advances in the field of environmental science, thus furthering career opportunities in this and related fields.

## Program Contacts

Dr. Ross Santell, *Dean*

Faculty Contact: Dr. Chuks Ogbonnaya,  
Ms. Rosa Moore

Location: Dalton-Cantrell Hall - First Floor

*Lec.Lab Crse  
Hrs.Hrs. Cr.*

## FIRST YEAR

### First Semester

ENG 111	College Composition I	3	0	3
ENV 110	Intro to Water-Wastewater Technology	2	2	3
ENV 220	Environmental Problems	3	0	3
MTH 105	Technical Math I	2	0	2
SCT 111	Intro to Env/Science Tech I	3	3	4
SDV 100	College Success Skills	1	0	1
	<b>Total</b>	<b>14</b>	<b>5</b>	<b>16</b>

### Second Semester

	Humanities Elective	3	0	3
ENV 115	Water Purification	2	2	3
MTH 106	Technical Math II	2	0	2
NAS 106	Conservation/Nat. Resources	3	0	3
SCT 112	Intro to Env/Science Tech II	3	3	4
	*Technical Elective	3	0	3
	<b>Total</b>	<b>16</b>	<b>5</b>	<b>18</b>

## SECOND YEAR

### Third Semester

ENV 108	Env. Microbiology	2	2	3
ENV 149	Wastewater Treatment Plant Operation	2	2	3
ENV 227	Environmental Law	3	0	3
	HLT or PED	2	0	2
	Social Science Elective	3	0	3
	Elective	3	0	3
	<b>Total</b>	<b>15</b>	<b>4</b>	<b>17</b>

### Fourth Semester

CIV 240	Fluid Mechanics/Hydraulics	3	0	3
CIV 246	Water Resource Technology	2	3	3
ENV 211	Sanitary Bio and Chem	2	3	3
ENV 290	Coordinated Internship in Env. Science	0	0	4
	Social Science Elective	3	0	3
	<b>Total</b>	<b>10</b>	<b>6</b>	<b>16</b>

## 67 credits required to graduate

\*Should be chosen with academic advisor.

**Note:** For information regarding licenses or certifications, see page 12.