Section I: Program Descriptions

Description of Undergraduate Program: “The mission of the Bachelor of Science program in Environmental Science is to educate students to succeed in their chosen careers, to transfer environmental knowledge to the community and to peers, and to provide an environmentally literate workforce and citizenry. The program is intended to provide the environmental science major with a broad foundation in the sciences and mathematics, as well as specialized knowledge in marine and coastal resources, Earth system science, environmental health and monitoring, policy and regulations, and science education concentration areas. The environmental science curriculum prepares students for career positions in environmental science or science education, or for further professional development.” (Source: 2010-2011 Undergraduate Catalog)

Tracks/Concentrations Offered for Undergraduate Major:

- Earth System Science
- Marine and Coastal Resources
- Environmental Health and Monitoring
- Policy and Regulations

(Source: 2010-2011 Undergraduate Catalog)

Undergraduate Catalog Course Listings: The course listings are available in the University’s Undergraduate Catalog, which is available at: http://www.tamucc.edu/academics/index.html

Description of Graduate Program: “The mission of the Master of Science program in Environmental Science is to provide a rich and rewarding setting in which students and faculty can develop and communicate innovative and practical solutions to present and
future environmental challenges, with a focus on urban and coastal issues.” (Source: 2010-2011 Graduate Catalog)

Tracks Offered for Graduate Major:

“A student will define an emphasis area or track for his or her graduate studies with assistance from the graduate advisor and advisory committee. Marine Policy and Human Dimensions is one possible track; another is Coastal and Marine System Science. These are described in further detail below. The emphasis area is a unique word or phrase which best expresses the student’s intended focus of graduate studies within the broad field of environmental science. Suggested emphasis areas (not an exclusive list) include: bioremediation, coastal ecosystems, conservation, contaminants, ecotoxicology, environmental monitoring, environmental regulations, fisheries, and hydrogeology. Other emphasis areas are possible as approved by a student’s graduate committee. The emphasis area is stated on the degree plan. Students must demonstrate that the selection of electives produces a coherent graduate program focused around the emphasis area. Designated electives must receive the approval of a student's advisory committee. Electives from the natural sciences, computer science, geographic information science, mathematics, political science, public administration, business law, or other areas may be approved.”

(Source: 2010-2011 Graduate Catalog)

Graduate Catalog Course Listings for Environmental Science: The course listings are available in the University’s Graduate Catalog, which is available at: http://www.tamucc.edu/academics/index.html

Section II: Collection Levels

Environmental Sciences (ESCI) is an interdisciplinary program. A significant number of courses for the undergraduate and graduate programs are drawn from other academic programs (biology, chemistry, geology, physics and math). In addition, students conduct independent research as part of their required coursework.

In this policy, all subjects not labeled ESCI in the catalog will not be included in this policy; rather, they will be included in the more comprehensive subject policies. For example, subjects/courses listed in the Environmental Sciences core program with the “BIOL” prefix in the catalog will be included in the Biology collection development policy, rather than ESCI. There will also be references from the environmental policy to that specific subject policy.

Also, environmental sciences resources that focus on Texas, the Gulf of Mexico, the Gulf Coast (from Texas to Florida), and the local geographic area have a higher collection
level priority (between 3 and 5) than the titles that cover other geographic areas or are more general in scope.

In addition, the University began to offer a doctoral program in Coastal and Marine Systems (CMSS) in Fall 2005. The CMSS curriculum is interdisciplinary and has a direct relationship to the academic programs in the College of Science and Technology (Environmental Science, Biology, Chemistry, Geology, and Math); specifically, several faculty members that teach in these programs also teach in the CMSS doctoral program. However, because CMSS is a separate academic program from Environmental Sciences and has separate budget funding and curricula, the library has created a separate collection development policy for CMSS. Please refer to the CMSS policy for more information.

The designated collection levels will provide the appropriate support for the University’s academic programs. These levels are ideal collection targets and are dependent on funding.

The library adheres to library collection standards set by the State Higher Education Coordinating Board (http://www.thecb.state.tx.us/), the Southern Association of Colleges and Schools (http://www.sacs.org/), and other accreditation agencies.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>LC Call Number Range</th>
<th>Collection Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water by Region</td>
<td>GB 651 – GB 992</td>
<td>3</td>
</tr>
<tr>
<td>Groundwater</td>
<td>GB 1001 – GB 1199.8</td>
<td>3</td>
</tr>
<tr>
<td>Rivers, Streams</td>
<td>GB 1201 – GB 1598</td>
<td>3</td>
</tr>
<tr>
<td>Lakes, Limnology</td>
<td>GB 1601 – GB1798.9</td>
<td>3</td>
</tr>
<tr>
<td>Natural Disasters</td>
<td>GB 5000 – GB 5030</td>
<td>3</td>
</tr>
<tr>
<td>Oceanography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>GC 1 – GC 90</td>
<td>2</td>
</tr>
<tr>
<td>Estuarine</td>
<td>GC 96 – GC 97.8</td>
<td>4</td>
</tr>
<tr>
<td>Chemical</td>
<td>GC 103 – GC 141</td>
<td>3</td>
</tr>
<tr>
<td>Physical</td>
<td>GC 150 – GC 182</td>
<td>2</td>
</tr>
<tr>
<td>Ocean-Atmosphere</td>
<td>GC 190</td>
<td>2</td>
</tr>
<tr>
<td>Waves</td>
<td>GC 203 – GC 229</td>
<td>3</td>
</tr>
<tr>
<td>Currents</td>
<td>GC 229 – GC 299</td>
<td>3</td>
</tr>
<tr>
<td>Tides</td>
<td>GC 300 – GC 309</td>
<td>3</td>
</tr>
<tr>
<td>Tides, Atlantic Ocean</td>
<td>GC 331 – GC 335</td>
<td>4</td>
</tr>
<tr>
<td>Tides, American Coast</td>
<td>GC 353 – GC 358</td>
<td>4</td>
</tr>
<tr>
<td>Marine Sediments (Atlantic)</td>
<td>GC 381 – GC 392</td>
<td>4</td>
</tr>
<tr>
<td>Western Atlantic</td>
<td>GC 501 – GC 541</td>
<td>4</td>
</tr>
</tbody>
</table>
Marine Resources  GC 1000 – GC 1023  3  
Marine Pollution  GC 1211 – GC 1241  3

Environmental Sciences
General  GE 1 – GE20  3
Philosophy, Methodology GE 40 – GE 45  3
History, Biography GE 50 – GE 55  2
Environmental Education GE 70 – GE 90  4
Condition/Quality/Indicators GE 140  4
Policy GE 170 – GE 190  4
Environmentalism GE 195 – GE 199  2
Justice GE 220 – GE 240  2
Management GE 300 – GE 320  4
Engineering GE 350  3

Environmental Law K 3581 – K 3590  2

Conservation
Nature Conservation, Landscape QH 75 – QH 83.5  2
Wildlife Conservation QL 81.5 – QL 84.7  2
Soil Conservation S 622 – S 627  2
Natural Resources Conservation S 900 – S 954  2
Conservation & Protection SD 411 – SD 428  2
Environmental Protection TD 169 – TD 171  2
Environmental Pollution TD 172 – 193.5  2
Pollution of Groundwater TD 426 – TD 428  2
Soil Pollution TD 878 – TD 880  2
Air Pollution TD 881 – TD 890  2
Hazardous Substances & Disposal TD 1020 – TD 1050  2

Subjects Not Included:
Environmental Biology (Please refer to the Biology Collection Development Policy)
Environmental Chemistry (Please refer to the Chemistry Collection Development Policy)
Environmental Geology (Please refer to the Geology Collection Development Policy)
Section III: Preferred Collection Formats and Languages

Preferred Collection Format(s): (1) Electronic for periodicals and indexes; (2) Print for monographs.

Lower-Priority Collection Formats: Microform

Language: English

Section IV: Noteworthy Publishers:


Elsevier:  http://www.elsevier.com

Texas A&M University Press:  http://www.tamu.edu/upress/

University of Texas Press:  http://www.utexas.edu/utpress/

Wiley:  http://www.wiley.com

Various University Presses
Section V: Weeding Policy
(INCLUDING FREQUENCY OF COLLECTION ASSESSMENT):

The collections for Environmental Science (in the Main and Reference collections) will be examined, and weeded, every three years.

Weeding criteria include (1) Currency and relevance of material to the curriculum; (2) Updated/revised editions; and (3) Physical condition of the title (please see the “Weeding” section of the General Collection Development Policy).

Section VI: Gift Policy:

The library will accept donations of materials (monographs, periodicals, etc.) in this subject area. All donors are encouraged to fill out, and sign, a form with the Technical Services Department when the library accepts those materials. If the donor allows the library to keep all donated materials, then the library has the discretion about whether to integrate those materials into the collections or use them in another capacity, such as: (1) Donating those titles to another library; (2) Including them in the annual book sale; or (3) Recycling the materials if no other parties or organizations can use the materials. However, the donor can also specify on the form that they would like all donated materials returned to them if the library cannot add those materials to the collections.

The library will add gift books to the collections only if they support the curriculum and student research in environmental science.

The Library will generally add print periodical titles to its collections under the following conditions: (1) The library already has a current subscription to that title; (2) The library has determined that there is adequate room for older print volumes of that title; (3) The library does not own those titles but they fit the subject’s selection criteria.

Revised:
September 29, 2010, by E. Kownslar

Approved by the Library Director:
August 1, 2007.