

ENVIRONMENTAL TECHNOLOGY (ET) PROGRAM

**Currently we teach
Environmental
Management:**

- **Overview of hazardous waste & materials management**
- **Wastewater and air pollution control and waste treatment**
- **OSHA 40-hour and emergency response**
- **Toxicology**
- **Environmental regulations**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM

- **EXPAND THE PROGRAM**
- **Hire diverse instructors**
- **Articulate with the high schools**
- **Articulate with the 4-year universities**
- **Develop new environmental projects and programs**
- **Become a valuable environmental resource for our bioregion**

EXPAND PROGRAM

- **Propose new Occupational Health and Safety certificate:**
 - » **Occupational Safety (2 courses)**
 - » **Industrial Hygiene (2 courses)**
 - » **Toxicology (1 course, existing)**
 - » **Intro. to ET (1 course, existing)**
 - » **Occupational Safety and Health Administration regulations (1 course)**

EXPAND PROGRAM

- **Propose new Cooperative Work Experience (internship) course**
 - » a mandatory 2 to 4 credit course
 - » remove the 2 1-credit paper labs from the regulation courses
- **Split up the 4-credit OSHA 40-hour and emergency response course into 2 2-credit courses**

EXPAND PROGRAM

- **Propose new course on Pollution Prevention**
 - » **follow-up to wastewater and air pollution control and waste treatment course**
 - » **student may eliminate one course**
 - **40-hr/Emerg. Response**
 - **Toxicology**
- **Articulation agreements have to be renegotiated**
- **What topics should be taught in the future?**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM

- **Expand the program**
- **HIRE DIVERSE INSTRUCTORS**
- **Articulate with the high schools**
- **Articulate with the 4-year universities**
- **Develop new environmental projects and programs**
- **Become a valuable environmental resource for our bioregion**

HIRE DIVERSE INSTRUCTORS

- **New Chicana
Toxicologist on staff**
- **New Filipino Health and
Safety Specialist on
staff**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM

- **Expand the program**
- **Hire diverse instructors**
- **ARTICULATE WITH HIGH
SCHOOLS**
- **Articulate with the 4-year
universities**
- **Develop new environmental
projects and programs**
- **Become a valuable
environmental resource for
our bioregion**

ARTICULATE WITH HIGH SCHOOL

- **Outreach to graduating seniors**
- **Formulating a 2 + 2 program for second semester juniors and first and second semester seniors**
 - » **will need support from high school teachers, counselors, and administrators**
 - » **success partial depends on articulation with 4-year universities**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM

- **Expand the program**
- **Hire diverse instructors**
- **Articulate with the high schools**
- **ARTICULATE WITH 4-YEAR UNIVERSITIES**
- **Develop new environmental projects and programs**
- **Be a valuable environmental resource for our bioregion**

ARTICULATE WITH UNIVERSITIES

- **Articulated with CSU Bakersfield for a BA degree in Environmental Resource Management on the Internet**
- **Articulating with United States International University for a BA in Environmental Studies**
- **Proposing to work with 2- and 4-year colleges in Mexico and overseas**
- **Need to articulate the ET program with UCSD and San Diego State University. Any ideas?**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM?

- **Expand the program**
- **Hire diverse instructors**
- **Articulate with the high schools**
- **Articulate with universities**
- **DEVELOP NEW ENVIRONMENTAL PROJECTS AND PROGRAMS**
- **Be a valuable environmental resource for our bioregion**

DEVELOP NEW ENVIRONMENTAL PROJECTS AND PROGRAMS

- **Obtained a Regional Environmental Business Resource and Assistance Center (REBRAC) grant with Cuyamaca and Palomar College**
- **Proposing to work with Apple Computer and the U.S. EPA to put ET courses on the Internet**

MAIN GOALS OF THE ENVIRONMENTAL TECHNOLOGY PROGRAM?

- **Expand the program**
- **Hire diverse instructors**
- **Articulate with the high schools**
- **Articulate with universities**
- **Develop new environmental projects and programs**
- **BE A VALUABLE ENVIRONMENTAL RESOURCE FOR OUR BIOREGION**

BE A VALUABLE ENVIRONMENTAL RESOURCE

- **A symposium on sustainability in October at Southwestern College in conjunction with Habitat for Humanity, Sustainable Community Action Network, WE CAN, and other non profits**

THE JOB MARKET

- **OCCUPATIONAL CATEGORIES FOR ENVIRONMENTAL TECHNOLOGISTS**
- **What job market sectors are hot now?**
- **How much do AS degree environmental technologists get paid?**
- **What does the future have in store?**

OCCUPATIONAL CATEGORIES

- **Air pollution control**
- **Field services and emergency response**
- **Environmental data management**
- **Laboratory services**
- **Water and wastewater treatment**
- **Remediation of toxic sites**
- **Occupational health & safety**
- **Toxicology**
- **Regulatory affairs**
- **Solid & hazardous waste & hazardous materials management**
- **Pollution prevention**

THE JOB MARKET

- **Occupational categories for environmental technology**
- **WHAT JOB MARKET SECTORS ARE HOT NOW?**
- **How much do AS degree environmental technologists get paid?**
- **What does the future have in store?**

WHAT JOB MARKET SECTORS ARE HOT NOW?

**1) Occupational Health
and Safety**

**2) Compliance and
compliance auditing
with ISO 14000
experience**

**Source: “Where the Jobs
Are”, *Environmental
Protection*, August 1997]**

3) Others?

THE JOB MARKET

- **Occupational categories for environmental technology**
- **What job market sectors are hot now?**
- **HOW MUCH DO AS DEGREE ENVIRONMENTAL TECHNOLOGISTS GET PAID?**
- **What does the future have in store?**

HOW MUCH DO AA ENVIRONMENTAL TECHNOLOGISTS GET PAID?

**In San Diego: \$13 to \$17
per hour**

**Source: job offers and
the Internet**

**Across the US: \$18.40 per
hour**

**Source: Labor Market
Study of Hazardous
Waste Workers and
Associated Emergency
Responders, September
1996**

THE JOB MARKET

- **What do environmental technologists do?**
- **What job market sectors are hot now?**
- **How much do AA degree environmental technologists get paid?**
- **WHAT DOES THE FUTURE HAVE IN STORE?**

WHAT DOES THE FUTURE HAVE IN STORE?

**In the period 1990–2010,
demand for remedial
action workers is
expected to grow by 60
percent. Source: Labor
Market Study of
Hazardous Waste
Workers and Associated
Emergency Responders,
September 1996**

WHAT DOES THE FUTURE HAVE IN STORE?

- **The future of ET is highly dependent on:**
 - » **Public perception of environmental issues via the media**
 - » **Which political party controls state and federal legislators, the presidency, and the governorship**
 - » **Enforcement of current environmental laws**

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