

Southwest Washington
Science, Technology,
Engineering and Mathematics
(STEM) Initiatives

A list of active STEM programs serving
Southwest Washington

August 2008

Prepared by Scruggs & Associates LLC

STEM Regional Resource Catalog

Overview

Clark College, along with the Southwest Washington Workforce Development Council (SWWDC), commissioned a study of the region's science, technology, engineering, and mathematics (STEM) programs to accomplish two goals. The first goal was to inventory existing STEM programs to understand the breadth and depth of initiatives reaching students and teachers. The second goal was to identify key gaps and opportunities in order to enhance regional capacity and effectiveness of STEM efforts. (Interview findings are included in a separate document.)

This catalog of resources is intended to be a living document which can be continuously updated. The preliminary list of # programs contained in this document represent programs which responded to an online survey in the summer of 2008. Therefore, this may not include all existing STEM activities in SW Washington.

To add a program or revise an existing program's information please contact:

Brandi Stewart-Wood, SWWDC
805 Broadway, Suite 412
Vancouver, WA 98660
360-567-1070
Bstewart-wood@swwdc.org

Part A: **Programs Serving K-12 Students**

Program Name: **Evergreen STEM Programs: K-12 Science**

Parent Organization: **Evergreen Public Schools**

Description: Evergreen Public Schools has over 25,000 students enrolled in our K -12 Science and Mathematics Programs. Evergreen provides yearlong science and mathematics to all K-10 students, and a variety of choices based on student interest in grades 11 and 12. Evergreen has project that integrate AP & CTE courses such as a bio-diesel and alternative vehicle design project involving students in chemistry, business, digital design and small engines. Other STEM projects in the district include:

Professional Development for Teachers
Science Olympiad
MESA (Math Engineering and Science Achievement) Coaches

Website: www.egreen.wednet.edu

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Evergreen Public Schools

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations MESA: Under represented populations in math and science

Contact Information: Tom Archer
360-604-4000 X 4586
tarcher@egreen.wednet.edu

Program Name: **Mentoring Advanced Programs for Students (MAPS)**

Description: MAPS links businesses and professionals in the community with high school teachers and students. MAPS focuses on mentoring for AP students in STEM fields and enrichment activities for AP students

Website: www.apmentoring.org

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations High School students taking AP classes

Contact Information: Natalie Pacholl
360-718-1603
natalie.pacholl@apmentoring.org

Program Name: **Science Olympiad: SW Washington Region**

Parent Organization: **Coordinated through Clark College**

Description: Science Olympiad is an international nonprofit organization devoted to improving the quality of science education, creating a passion for learning science and providing recognition for outstanding achievement in science education by both students and teachers. These goals are accomplished through classroom activities, research, professional development workshops and the encouragement of intramural, district, regional, state, national and international tournaments. The Southwest Washington region sponsors coaching workshops, tournaments and other activities.

Website: <http://www.washingtonscienceolympiad.com/index.html>

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Cowlitz County

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations:

Contact Information: Tina Barsotti
(360) 992 – 2354
cbarsotti@clark.edu

Program Name: **Pre-Engineering**

Parent Organization: **Clark County Skills Center**

Description: We prepare students to go directly to work or to continue their education in health careers, engineering, and, computer sciences by increasing technical skills and assisting with industry certification.

Website: www.ccskillscenter.com

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations high school Juniors and Seniors
high school dropouts
private and home school students

Contact Information: Dennis Kampe
360-604-1060
dkampe@egreen.wednet.edu

Program Name: **Project Lead the Way - (Pre-Engineering Program)**

Parent Organization: **Battle Ground School District**

Description: Introduction to Engineering Design is the first course in a series of classes based on the national Project Lead the Way -pre-engineering training program. This introductory course will be offered for the first time at Prairie High School during the 2008-09 school year for grades 9,10,11 & 12. Subsequent courses will be added as the program develops.

Website: n/a

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA
Battle Ground School District

Markets Served: Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations Females

Contact Information: Denice Harvey
360-885-5359
harvey.denice@bgsd.k12.wa.us

Program Name: Project Lead The Way/Gateway to Technology

Parent Organization: Clark College/Vancouver School District

Description: Project Lead The Way is all about teaching and learning. The hands-on, project and problem-based PLTW approach adds rigor to traditional technical programs and relevance to traditional academics. PLTW's curriculum makes math and science relevant for students. By engaging in hands-on, real-world projects, students understand how the skills they are learning in the classroom can be applied in everyday life. This approach is called activities-based learning, project-based learning, and problem-based learning or APPB-learning. Gateway To Technology's® (GTT) cutting-edge program addresses the interest and energy of middle school students, while incorporating national standards in mathematics, science, and technology. Gateway To Technology® is "activity oriented" to show students how technology is used in engineering to solve everyday problems in units of study. There are currently four instructional units that excite and motivate students to use their imaginations and teach them to be creative and innovative, while gaining the skills they need to develop, produce, and use products and services.

Website: www.pltw.org

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations

Contact Information: Wendi Russell
360-313-1356
wendi.russell@vansd.org

Program Name: Gateway to Technology (GTT)

Parent Organization: Project Lead the Way (PLTW)

Description: The GTT math, science and technology program consists of five nine-week independent units taught in grades 6-8. The units include:

- *Design and Modeling* - students use geometry, problem solving, teamwork, and project management skills to design and develop product prototypes.
- *The Magic of Electrons* – Students unravel the mysteries of digital circuitry.
- *The Science of Technology* – Students apply scientific principles and concepts of simple machines and energy to solve real-world problems.
- *Automation and Robotics* – Students design and build automated systems incorporating the principles of electronics, physics to better understand the mechanized world.

Website: <http://www.pltw.org>

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Evergreen Public Schools in Clark County

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations All 6th grade students as intro course, outreach to females in 7th-8th

Contact Information: Susan Dixon
360-604-4068
sdixon@egreen.wednet.edu



Program Name: **Saturday Academy**

Description: Saturday Academy offers STEM educational enrichment to youth in grades 2-12 through three program models: Catalog Classes & Camps, high school Apprenticeships in Science & Engineering (ASE), and Saturday Academy in the Schools (LEAP & AfterSchool). Our mission is to inspire young people to explore their world through hands-on, inquiry-based learning with community experts and professionals. Our goal is to reinforce the joy of learning, assist young people in developing intellectually and help them prepare for rewarding careers in STEM-related fields.

Classes & Summer Camps
Apprenticeships in Science & Engineering
Scientists in the Schools

Website: www.saturdayacademy.org

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA
Clackamas, Columbia County, Multnomah County, Washington County, OR

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations Youth in grades 2-12
Under represented minorities (Native American, African American, Latino/a)
Females

Contact Information: Wendy Thompson
503-200-5859
wendy@saturdayacademy.org

Program Name: SEMI High Tech U

Parent Organization: SEMI Foundation

Description: SEMI High Tech U is an industry driven, career exposure program targeting high school sophomores, juniors and seniors that provides hands on activities and lectures in math, science and technology.

Website: www.semi.org/advocacy/hightechu

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA
Multnomah County, Washington County, OR

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations "B"/"C" students ("average" students with potential)
females
diversity reflecting the recruitment area

Contact Information: Leslie Tugman
503 788 3158
leslie@tugmanechols.com

Program Name: SW WA MESA

Parent Organization: WSUV and Washington MESA

Description: Through MESA, students of color and girls achieve their full potential in math, engineering, and science. MESA provides academic enrichment to students who, as adults, are underrepresented in STEM fields: African Americans, Latino/as, Native Americans, and female students, in a supportive, challenging, and fun learning community. MESA helps close the academic achievement gap and set students on the path to careers in STEM fields thereby strengthening and diversifying the workforce in the state of Washington.

- ◆ After school club programming in middle and high schools,
- ◆ STEM-related events: annual hands-on competition; annual hands-on career exploration; summer science camp
- ◆ Field trip and speakers to connect real world applications of math and science to student learning

Website: <http://www.seattlemesa.org/> sw wa mesa website is under construction.

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Evergreen and Vancouver School Districts

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations African-American
Latino/a
Native American

Contact Information: Martha Perkins, Director
360.992.6091
perkinsm@vancouver.wsu.edu

Program Name: Science and Math Education Resource Center (SMERC)

Parent Organization: ESD 112

Description: The Science & Math Education Resource Center is a partnership between regional school districts, Educational Service District 112, Washington State University, and Hewlett Packard committed to creating exemplary teaching and learning environments in Mathematics and Science. SMERC supports a variety of private and publicly funded initiatives that support teachers and administrators including instructional materials support, professional development, assessment development, leadership training, and curriculum/standards development. SMERC also provides regional leadership on STEM education research and development. *Also see SMERC under Teacher Development*

- ◆ Mathematics Regional Initiative
- ◆ Science Materials Center
- ◆ STRIDE (Supporting Teacher Research: Inquiry, Dialogue, and Engagement) – a WSUV partnership
- ◆ SW Washington LASER (Leadership and Assistance for Science Education Reform)
- ◆ ASK (Assessing Science Knowledge)
- ◆ Math and Science Count (a statewide initiative)
- ◆ Global Change in a Local Context: Partners in Discovery of the Columbia River Watershed (a WSUV partnership)
- ◆ Elementary Science Leadership Institute
- ◆ National Academy for Curriculum Leadership

Website: www.esd112.org

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Cowlitz County, Skamania County, Wahkiakum County, WA
all areas of ESD 112

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Contact Information: Anne Kennedy & Mark Lewis
360-750-7500
anne.kennedy@esd112.org; mark.lewis@esd112.org

Program Name: **Southwest Washington-Transitions in Mathematics Education (SW-TIME)**

Parent Organization: **Washington State University**

Description: Washington State University, Vancouver (WSUV), in partnership with Clark College and two regional K-12 school districts, Battleground and Evergreen, is exploring and developing a substantive regional plan that will target high school students who have passed the 10th grade math WASL exam, do not elect to take any more math in junior or senior years, but may, nonetheless, go to college.

Website: <http://www.transitionmathproject.org/partners/time-sw/time-sw.asp>

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County WA

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations

Contact Information: Barbara Feeouf
(360) 546-9426
freeouf@vancouver.wsu.edu

Program Name: **WSU Vancouver/WSU Extension Center for Youth Workforce Preparation (CYWP)**

Parent Organization: **Washington State University**

Description: CYWP provides career exploration and post-high school planning opportunities for middle school, high school and college students. Four ongoing programs are held: "Connections", "Do the Math Engineering Day", "PaCE Academy"; "4-H Teen-Works". Over 1,500 students have been enrolled in CYWP programs since it was founded in October 2005. Multiple campus and community partnerships are critical in carrying out the CYWP mission.

Website: www.vancouver.wsu.edu/cywp

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other: Digital video production
Robotics

Geographies served: Primary: SW Washington and Portland metro area.
Secondary: Washington State 4-H

Markets Served Primary Grades Middle School High Schools
 Post-Secondary Students Teachers Adult Learners

Targeted Populations: underserved populations, students with disabilities

Contact Information: Michael Holroyd, Director & Associate Professor
WSU Vancouver/WSU Extension
360-546-9121
holroyd@vancouver.wsu.edu

Program Name: Youth Workforce

Parent Organization: Educational Service District 112

Description: Provide educational and career development training to income-eligible youth, ages 16-21. Emphasis on high school or equivalent completion and career exploration for high demand occupations including pre-apprenticeships and apprenticeships, as well as post-secondary training/education opportunities.

Website: www.esd112.org/ywp

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Cowlitz County, Wahkiakum County, WA

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations Income-eligible (low income)
Youth ages 16-21 (that qualify for Workforce Investment Act - WIA- assistance)

Contact Information: Gail Spolar
360-750-7500 ext. 146
gail.spolar@esd112.org

Part B: **Programs Serving K-12 Teachers & Administrations**

Program Name: **Science and Math Education Resource Center (SMERC)**

Parent Organization: **ESD 112**

Description: The Science & Math Education Resource Center is a partnership between regional school districts, Educational Service District 112, Washington State University, and Hewlett Packard committed to creating exemplary teaching and learning environments in Mathematics and Science. SMERC operates in the SW Washington area with a variety of specific projects including:

- ♦ Mathematics Regional Initiative
- ♦ Science Materials Center
- ♦ STRIDE (Supporting Teacher Research: Inquiry, Dialogue, and Engagement) – a WSUV partnership
- ♦ SW Washington LASER (Leadership and Assistance for Science Education Reform)
- ♦ ASK (Assessing Science Knowledge)
- ♦ Math and Science Count (a statewide initiative)
- ♦ Global Change in a Local Context: Partners in Discovery of the Columbia River Watershed (a WSUV partnership)
- ♦ Elementary Science Leadership Institute
- ♦ National Academy for Curriculum Leadership

Website: www.smerc.org

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Cowlitz County, Skamania County, Wahkiakum County, WA
all areas of ESD 112

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Contact Information: Anne Kennedy & Mark Lewis
360-750-7500
anne.kennedy@esd112.org; mark.lewis@esd112.org

Program Name: Partners in Discovery of the Columbia River Watershed GK-12 Program

Parent Organization: WSU Vancouver

Description: This new program, the Partners in Discovery of the Columbia River Watershed GK-12 Program is a 5-year project, supported by the National Science Foundation, that partners WSU Vancouver Environmental Science graduate students with 6th-9th grade science teachers in 3 Clark County school districts. The graduate student scientists and the teachers work one-on-one over a full academic year to bring research and scientific inquiry into the classroom, and to enhance the teachers' existing science curriculum.

Website: Under construction

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, WA
WSUV is partnered with the La Center, Vancouver and Camas School Districts,

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations WSUV graduate students (esp. groups underrepresented in science)
6th-9th grade science teachers (Vancouver, La Center & Camas school districts)
6th-9th grade students (Vancouver, La Center & Camas school districts)

Contact Information: Gretchen Rollwagen-Bollens
360-546-9115
rollboll@vancouver.wsu.edu

Part C: **APPRENTICESHIP PROGRAMS**

Program Name: Registered Apprenticeship, Washington State

Parent Organization: Department of Labor and Industries

Description: Registered Apprenticeship is privately funded education and training based on standards developed and sponsored by industry employer(s) for employees to become occupational qualified. The occupation must be recognized by industry as requiring at least 2,000 hours of on the job learning and 144 clock hours of classroom instruction. The occupation may be in a STEM related field, but that is not an apprenticeship requirement.

Website: <http://www.lni.wa.gov/TradesLicensing/Apprenticeship>

STEM Fields of Study:

<input checked="" type="checkbox"/> General intro to STEM fields	<input checked="" type="checkbox"/> Bio & environmental sciences	<input checked="" type="checkbox"/> Computer sciences/IT
<input checked="" type="checkbox"/> Energy	<input checked="" type="checkbox"/> Engineering/Technology	<input checked="" type="checkbox"/> Health sciences
<input type="checkbox"/> Mathematics	<input type="checkbox"/> Physical sciences	<input type="checkbox"/> Other

Geographies served: Clark County, Cowlitz County, Wahkiakum County, WA
Columbia County, Multnomah County, Washington County, OR

Markets Served

<input type="checkbox"/> Primary Grades	<input type="checkbox"/> Middle School	<input type="checkbox"/> High Schools
<input checked="" type="checkbox"/> Post-Secondary students	<input type="checkbox"/> Teachers	<input checked="" type="checkbox"/> Adults Job Seekers

Targeted Populations Women and minorities.
Graduates of Career and Technical Education programs from high schools and/or community colleges.

Contact Information: Ed Madden, Apprenticeship Consultant
360-575-6927
madf235@lni.wa.gov

Part D: **POST-SECONDARY PROGRAMS**

Program Name: **Clark College Dept. of Mathematics**

Parent Organization: **Clark College**

Description: Teach precollege and the first two years of college mathematics course. Engage in outreach with local school districts and other institutions of higher education.

Website: <http://web.clark.edu/math/>

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Cowlitz County,

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations

Contact Information: Paul Casillas
360-992-2545
pcasillas@clark.edu

Program Name: **Science, Technology, Engineering, and Math (STEM) Unit**

Parent Organization: **Clark College**

Description: College-Level instruction in: Agriculture/Horticulture, Astronomy, Biology, Chemistry, Computer Aided Drafting and Design, Computer Science, Chemistry, Engineering, Environmental Science, Field Survey Technician, Geology, Mathematics, Meteorology, Nutrition, Physical Science, and Physics.

Articulation and Curriculum Coordination with High Schools (especially Math)
Outreach to under-represented groups (College is Possible, Women in STEM)

Website: <http://www.clark.edu>

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Clark County, Skamania County, Western Portion of Klickitat County

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations Women in STEM
Under-represented youth and families (College is Possible)

Contact Information: Kathleen Murphy
(360) 992-2624
kmurphy@clark.edu

Program Name: Math and Natural Science Departments

Parent Organization: Lower Columbia College

Description: Offer courses in standard college curriculum that leads to an associate or transfer degree in various math, science, engineering and health care fields. Provide special course work in math and science for students in early childhood and K-8 programs. Prospective site for regional Science Olympiad. Program of quarterly science/engineering outreach for high school juniors and seniors.

Website: www.lowercolumbia.edu

STEM Fields of Study: General intro to STEM fields Bio & environmental sciences Computer sciences/IT
 Energy Engineering/Technology Health sciences
 Mathematics Physical sciences Other

Geographies served: Cowlitz County, Wahkiakum County

Markets Served Primary Grades Middle School High Schools
 Post-Secondary students Teachers Adults Job Seekers

Targeted Populations outreach targets high school juniors and senior

Contact Information: Geary Greenleaf
(360) 442-2851
ggreenleaf@lcc.ctc.edu

COMMUNITY COLLEGE STEM DEGREES

Two community colleges (Lower Columbia College and Clark College) serve the area with associate and transfer degrees and certificates in the following STEM areas:

- ♦ Accounting*
- ♦ Accounting Technician
- ♦ Architecture*
- ♦ Audio Production
- ♦ Bioengineering/Chemical Engineering*
- ♦ Biological Sciences*
- ♦ Biology Education
- ♦ Business Technology
- ♦ Chemistry*
- ♦ Computer Aided Design
- ♦ Computer Science*
- ♦ Earth Sciences*
- ♦ Economics*
- ♦ Electrical and Computer Engineering*
- ♦ Electronics
- ♦ Electronics Technology - Basic
Computer Hardware Concepts
- ♦ Electronics Technology - Basic National
Electrical Code
- ♦ Electronics Technology - Industrial
Automation
- ♦ Field Survey Technician
- ♦ Environmental Science*
- ♦ Fire Science Technology
- ♦ General Science
- ♦ Geology*
- ♦ Information Technology
- ♦ Instrumentation and Controls
- ♦ Machine Technology
- ♦ Management Information Systems*
- ♦ Math Education*
- ♦ Mathematics*
- ♦ Mechanical, Civil and Aeronautical
Engineering*
- ♦ Natural Resources*
- ♦ Nursing
- ♦ Physics*
- ♦ Physics Education*
- ♦ Pulp & Paper Technology
- ♦ Psychology*

* transfer degrees

WASHINGTON STATE UNIVERSITY-VANCOUVER

WSU-V provides undergraduate and graduate degree programs in the following areas:

Undergraduate Degrees:

- ♦ Biology
- ♦ Computer Sciences
- ♦ Digital Technology & Culture
- ♦ Electrical Engineering
- ♦ Environmental Sciences
- ♦ Mechanical Engineering
- ♦ Nursing
- ♦ Psychology

Graduate Degrees

- ♦ Computer Science
- ♦ Environmental Science
- ♦ Mechanical Engineering
- ♦ Nursing