

Tentative List of Sessions

Measuring the Magnitude of the Health Career Pipeline Leakage

Visualizing Chemistry by Digital Learning Chemistry

What Should We Be Telling Students About How People Learn?

The Role of Reflection in the Investigative Biology Lab: A Cross Disciplinary Study

SCALE-UP: Student Centered Activities for Large Enrollment Undergraduate Programs

Evening Study Group Program Enhances First-year Success

An Overview of the Midwest Conference for Undergraduate Women in Physics at University of Michigan

Embracing Community Cultural Wealth in Gavilan College's Mathematics Engineering Science Achievement (MESA) Program.

Integrating Research into the Undergraduate Science Curriculum – Encouraging Students to Learn Science as Scientists Do

G.E.N.E.S.I.S. II: From Beyond Campus to Community and Corporate Partners for Success. A Recruitment and Retention Project to Reach Underrepresented Groups for Careers in the Nursing Sciences

Advising in the Sciences: Cutting a Large Major Down to Size

Creating Campus Cultures for Undergraduate Success

Improving Biology Students' Performance with Supplemental Instruction

Helping Low-income, Minority, and First-generation College Students in Nevada Attain Biomedical Careers

Demonstrating Science Learning Through the Use of ePortfolios

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Creating a Successful and Diverse Pre-Health Learning Community at the University of Michigan

Enhancing Persistence in The Sciences (STEM-based fields)

Beyond the Finish Line: Preparing Students for Graduate/Professional School

Keeping Underrepresented Students in the Sciences using Research, Counseling and Seminars

Using a Critical Inquiry Class Pairing to Support Students in Introductory Discipline-based Courses

Developing a Robust Peer-Led Team Learning Program

Computational Science as an Organizing Principle for Cross-disciplinary, Multi-Institutional, and Student-Faculty Collaborations

Critical Components for Increasing Academic Performance in STEM: The Evolution and Sustainability of the Gateway Science Workshop Program

Engaging Students in the Introductory Physics Sequence at the University of Michigan

Using an Honors Program Approach to Build Community and Prepare Students for Research

Multiple Programs for Extra-Scholastic Science Experiences With Similar Missions—Benefits and Challenges About

Implementation of Process-Oriented Guided Inquiry Learning in an Introductory Chemistry Course

Facilitating Content Knowledge Through In-depth Examination of Science Issues

Tools for Personal Statement Writing and Critiquing

Learning in Large Courses: Supplemental Workshops for Enhancing the Transition to University

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Learning the Process and Nature of Science in the Context of Cutting-edge Plant Biotechnology Research: Assessing a Research Experience for Undergraduates

Experiencing Collaborative and Constructivist Teaching to Engender Pedagogical Change

The Use of Multi-Disciplinary Fields to Train Undergraduates and For High School Outreach: Radio Astronomy as a Teaching and Research Tool

How Laptops in Class Affect Student Focus

AMSTEMM - Appalachian and Minority STEM (Science, Technology, Engineering, and Mathematics) Majors

The CSTEP/LSAMP Four-Year Curriculum at Stony Brook University

Engaging Undergraduate Interns in an Interdisciplinary Research Collaboration

The Sophomore Challenge: Meeting Academic Needs Through Research

Assessment of Undergraduate Courses in the Sciences: A National Study

Using the College Library to Enrich Science Learning

Win-Win Outreach Solutions: How Community Service Can Build Leaders in Science and Education

Explore, Prepare, Succeed: A Required Career Planning Course for Transitioning Transfer Students

Undergraduate Research as Career Exploration Experience

Use of Clickers and Immediate Feedback Scratch-off Forms to Reveal Misconceptions, Stimulate Student Interest and Prompt Peer Instruction in Introductory Biology.

Pit Stops without Penalties: Preparing First-Year Students for Success

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Undergraduate Research as an Equalizer: Different Learning and Learning Differently

Increasing the Percentage of Ethnic Minority Nurses-NCCU Department of Nursing and the Office of Student Support Services

Digital Research in the Natural Sciences: Critical Concepts and Strategies for Undergraduates

Range of individual advising conversations and workshops with pre-medical students regarding various parameters to consider for becoming a more competitive applicant