

## **Interdisciplinary Program Themes**

**Compiled from: Academic Division Executive Summaries - March 15, 2001**

### **HEALTH**

Environmental Health - concentration in EE Biology, links with Environmental Toxicology, Earth Sciences and Chemistry.

Health Sciences - BS in MCD Biology, 2<sup>nd</sup> phase interdivisional tracks in Social Sciences and Humanities. Links with Anthropology, Community Studies, Psychology.

Human Health – BA Interdisciplinary Humanities/Social Sciences/Natural Sciences. Links with Philosophy, Anthropology, Community Studies, Psychology, Sociology.

Science, Medicine and Technology – minor/BA/PhD Interdivisional, Humanities home. Links with History, History of Consciousness, Philosophy, Women's Studies, Writing, MCD Biology, Anthropology, Sociology,

Pharmacology – Environmental Toxicology. Links to Biology, Silicon Valley Center.

Biotechnology – Engineering. Links with Biology.

Center for Mind and Language – Linguistics and Philosophy, links to Psychology and Biology.

### **BUILDS ON:**

Institute for Bioengineering, Biotechnology and Quantitative Biomedical Research (QB3) – One of four California Institutes for Science and Innovation, Engineering. Links with Natural Sciences, UC San Francisco, UC Berkeley, California Nanosystems Institute at UCLA, and California Institute for Telecommunications and Information Technology at UC San Diego.

### **ENVIRONMENT**

Environmental Health – concentration in EE Biology in cooperation with Environmental Toxicology, Earth Sciences, Chemistry. Links with History, Bioengineering, Interdisciplinary Engineering, Economics, Environmental Studies, Psychology, Sociology.

Environmental Engineering – BS/MS/PHD in Engineering. Links with Economics, Environmental Toxicology, Environmental Studies.

Environmental Studies –MES already approved in Environmental Studies. Links with History, Bioengineering, Interdisciplinary Engineering, Economics, Environmental Studies, Psychology, Sociology.

Integrative Coastal Ecology – EE Biology, research focus on understanding and conserving coastal ecological systems. Links with

Geobiology and/or Remote Sensing for the Environment – Natural Sciences, links to Environmental Studies, Engineering.

### **BUILDS ON:**

Institute for Geophysics and Planetary Physics (IGPP) – ORU focusing on future changes of the earth, solar system, and the universe and how they affect human life.

Center for Ocean Health – (through Institute of Marine Sciences ORU), integration of interdisciplinary marine sciences research.

Center for Agroecology and Sustainable Food Systems (CASFS) – Links with Environmental Studies, Biology.

Center for Conservation Science and Policy (CCSP) – Links with Environmental Studies, Economics, Sociology, Biology

### **TECHNOLOGY**

Science, Medicine and Technology – minor/BA/PhD Interdivisional, Humanities home. Links with History, History of Consciousness, Philosophy, Women’s Studies, Writing, MCD Biology, Anthropology, Sociology,

Engineering Ethics – BA in Philosophy. Links with History of Consciousness, History, Women’s Studies, Writing, Environmental Toxicology, Interdisciplinary Engineering, Anthropology, Economics, Psychology, Sociology.

Computational Linguistics – 4 courses targeted for professionals. Links with Engineering.

Film and Digital Media – MFA/PHD in Film and Digital Media. Links with Engineering, Literature.

Digital Arts and New Media – MFA in Interdisciplinary Arts. Links with Engineering.

History of Technology – BA in Humanities. Links with History, History of Consciousness, Philosophy, Writing, Interdisciplinary Engineering.

Modernism, Culture and Technology – MA in Humanities. Links with American Studies, Literature, Philosophy, Women’s Studies, Anthropology, Community Studies, Latin American and Latino Studies, Sociology.

Engineering Management – MS/MAS/PHD in Interdisciplinary Engineering. Links with Economics, Psychology.

Biomolecular/Bioinformatics - BS/MS/Ph.D, links with Natural Sciences

Applied Physics – BS in Physics. Links with Engineering.

**BUILDS ON:**

Information Systems Management BS in Computer Engineering, combined major with Economics.

Center for Biomolecular Science and Engineering (CBSE) – Engineering/Natural Sciences, established 2000-2001.

Complex Materials – joint Chemistry, Physics, and Electrical Engineering.

Center for Information Technology Research in the Interest of Society (CITRIS) – One of four California Institute for Science and Innovation, Engineering. Links with UC Berkeley

Institute for Bioengineering, Biotechnology and Quantitative Biomedical Research (QB3) – One of four California Institutes for Science and Innovation, Engineering. Links with Natural Sciences, UC San Francisco, UC Berkeley, California Nanosystems Institute at UCLA, and California Institute for Telecommunications and Information Technology at UC San Diego.

**PUBLIC POLICY/LAW/JUSTICE**

Public Humanities – MA in Humanities. Links with American Studies, History of Consciousness, Women’s Studies, Writing, Community Studies, Economics, Education, Environmental Studies, Latin American & Latino Studies, Politics, Psychology, Sociology.

Social Documentation – MA in Community Studies. Links with Film & Digital Media, History of Consciousness, Latin American & Latino Studies, Sociology.

Social Policy and Public Advocacy – MA in Social Sciences. Links with Silicon Valley Center, problem solving skills in place of problem management.

Social Justice and Politics – MA in Politics. Links with American Studies, Women’s Studies, Community Studies, Economics, Environmental Studies

**BUILDS ON:**

Center for Justice, Tolerance and Community (CJTC) – Social Sciences/Humanities research collaborations

**EDUCATION**

Education – MAS/PHD in Education. Links with SJSU, MBCSU, UCI, UCLA.

Undergraduate pathway in Education – Arts interdisciplinary, Mathematics, Education.

Center for Math/Science Education – research center in Mathematics

**BUILDS ON:**

Education – MA leading to teaching credential, minor

New Teacher Center – Private/State funded focus on supporting new teaching professionals

Center for Research on Educational Diversity (CREDE) – National center for federal research, links with Education, Psychology

**GLOBAL STUDIES/INTERNATIONALISM**

Global Studies – PHD in Humanities. Links with American Studies, History, Women’s Studies, Economics, Environmental Studies, Latin American & Latino Studies, Politics, Sociology.

Liberal Arts –BA/MA/MAS Humanities interdisciplinary. Links to natural sciences, engineering, arts.

College Nine – International & Global Perspectives themes, links with Social Sciences, EAP.

Global Studies Honors – Minor in Interdisciplinary Social Sciences.

**BUILDS ON:**

Center for Global, International and Regional Studies (CGIRS) – Links with Economics, Sociology, Environmental Studies.

Santa Cruz Center for International Economics (SCIIE) – Links with Economics, Politics, Environmental Studies

**CULTURAL/ART THEORY/HISTORY/CRITICISM**

Visual and Performance Studies – Ph.D. in Arts. Links with Anthropology, Literature. Other humanities and social sciences contributions feasible.

Public Humanities – MA in Humanities. Links with American Studies, History of Consciousness, Women’s Studies, Writing, Community Studies, Economics, Education, Environmental Studies, Latin American & Latino Studies, Politics, Psychology, Sociology.

**BUILDS ON:**

Institute for Humanities Research – Humanities interdisciplinary research focus.

### **GENDER/IDENTITY**

Feminist Studies MA/PHD in Women's Studies. Links with History, Community Studies, Latin American & Latino Studies, Politics, Sociology.

#### **BUILDS ON:**

Chicano/Latino Research Cluster (CLRC) – in Social Sciences

Institute for Humanities Research – Humanities interdisciplinary research focus.

Center for Justice, Tolerance and Community (CJTC) – Social Sciences/Humanities research collaborations