

- HIST 481. Early Modern Europe: The New Worlds of Exploration and Science
- ISAT 231. Political Economy of Technology and Science
- ISAT 311. Role of Energy in Modern Society
- ISAT 411. Energy Economics and Policy
- ISAT 421. Environmental Policy and Regulation
- ISAT 456. Ethical, Legal and Social Implications of Biotechnology
- ISAT 471. Transportation: Energy, Environment and Society
- ISAT 477. Complex Systems and How They Fail
- PHIL 300. Knowledge and Belief
- PHIL 395. Philosophy and Scientific Inquiry
- SOCI 311. Sociology of the Environment
- SOCI 316. Space, Time and the Human Social Environment
- SOCI 366. Sociology of Knowledge
- SOCI 375. Medical Sociology
- WRTC 350. Science and Technology in Literature

Special topics courses not listed can be applied to the minor with prior approval of the program coordinator.

Substance Abuse Intervention

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This 22-credit hour interdisciplinary substance abuse intervention minor prepares the student to understand the impacting forces on the abusing individual and help the individual seek aid as appropriate. The SAI minor also prepares the student to assist communities in designing science-based prevention programs. Course work in the SAI minor can lead to certification as a Certified Prevention Professional, Alcohol, Tobacco and Other Drug (CPP-ATOD).

There is a moratorium on the SAI minor for the 2009-10 academic year.

Required Courses	Credit Hours
HTH 378. The Use and Effects of Drugs	3
HTH 407. Health Education Facilitation/Synthesis	2
HTH 451. Strategies for Health Change	3
HTH 458. Health Program Planning and Evaluation	3
HTH 488. Substance Abuse Prevention Basics	1
SOWK 317. Skills for Generalist Social Work	3
Choose one of the following:	3
PSYC 285. Drugs and Behavior	
PSYC 308. Health Psychology ¹	
Choose one of the following:	3
SOCI 327. Juvenile Delinquency	
SOWK 340. Violence in Families	
SOWK 387. Working with Teenagers	
Choose one of the following:	1
HTH 357. Coping with Stress	
HTH 278. Alcohol Use and Abuse	
HTH 389. Health Education Practicum	

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¹ Prerequisite is PSYC 101 and junior status.

Telecommunications

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The interdisciplinary minor in telecommunications is designed to augment the student's major program with a package of courses that will prepare the graduate to obtain a position as a telecommunication/network professional and fill a societal need in one of the fastest growing areas of technology.

The program is developed as a minor principally for three major programs: computer science; integrated science and technology; and computer information systems. However, the program is open to any undergraduate with an interest in telecommunications and some computer background.

The telecommunications minor will instill knowledge of:

- Telecommunication terminologies, standards, policies and procedures.
- Basics of data transmission, digital signal processes and signaling hierarchies.
- Architectures, communications protocols, and components of LANs, WANs and internetworks.
- The TCP/IP and ATM protocol suites.
- Switching, routing and traffic management in inter-networked environments.
- Voice, video and data transmission over IP and ATM.
- Application development for the Internet.
- Distributed object systems programming and management.

The requirements for the minor are 18 credits shown below. Students are encouraged to check prerequisites. At most four courses can be used to satisfy both the telecommunications minor and a student's major requirements.

Required Courses	Credit Hours
CIS/CS 320. Telecommunications and Information Processing	3
SMAD 356. Telecommunications Policy and Regulation	3
CS 460. Local Area Networks	3
CS 461. Internetworking	3
CS 462. Network Applications Development	3
Choose one of the following:	
CS 239. Advanced Computer Programming	4
CIS 331. Intermediate Computer Programming	3
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Urban and Regional Studies

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The minor in urban and regional studies prepares students for careers or graduate training in government. While satisfying the B.A. or B.S. requirements of their chosen major, students may complement that major with a 24 credit hour minor in urban and regional studies drawn from the following courses.

Required Courses	Credit Hours
ECON 475. Regional Economics	3
GEOG 376. Urban Geography	3
POSC 360. Urban Politics	3
SOCI 265. Sociology of the Community	3
Choose from the following ¹ :	12
ECON 326. Public Finance	
ECON 340. Economics of Natural Resources	
FIN 210. Principles of Real Estate	
GEOG 315. Field Studies	
GEOL/GEOG 310A-D. Environmental Impact (2-3 credits)	
GEOL 340. Soil and Land Use	
POSC 302. State and Local Government	
POSC 495. Internship in Political Science (4 credits)	
SOCI 352. Birth, Death, Sex: Exploring Demography	
SOCI 361. Bureaucracy and Society	

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¹ Must be in a discipline other than the student's major.