

## Russian Studies

*Dr. Mary Louise Loe, Minor Adviser*

Phone: (540) 568-6168

E-mail: loeml@jmu.edu

This minor offers students a broad, interdisciplinary perspective on Russian culture, history, political institutions, economy and geography. This program deepens the students' understanding and knowledge of the Russian and non-Russian peoples of the former Soviet Union, and prepares them for careers in teaching, government and international business. The minimum requirement for a minor in Russian studies is 18 hours. Students should take courses in at least three different disciplines from the following list:

### Required Courses

ECON 301. Economies in Transition  
 HIST 385. Russia to 1855  
 HIST 386. Russia Since 1855  
 HIST 475. Modern Russia  
 POSC 337. Russian Political System  
 POSC 338. Russian Foreign Policy  
 POSC 339. Politics of Communist and Post-Communist Systems  
 RUS 266/GHUM 200. Russian Literature in Translation/Great Works  
 RUS 300. Russian Conversation and Composition  
 RUS 308. Introduction to Russian Civilization  
 RUS 315. Russian Phonetics  
 RUS 320. Advanced Russian Grammar  
 RUS 405. Russian Literature of the 19th Century  
 RUS 426. Russian Literature of the 20th Century

Students may include one course from the following list:

ECON 490. Special Studies in Economics  
 FL 490. Special Studies in Foreign Languages (Russian)  
 GEOG 490. Senior Project II  
 HIST 399. Special Studies in History  
 POSC 490. Senior Tutorial in Political Science

With the approval of the adviser to the program, six to eight hours of Russian language may be included in the minor.

## Substance Abuse Intervention

*Jeanne Martino-McAllister, Minor Adviser*

Phone: 568-7097

E-mail: martinjm@jmu.edu

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).

### 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<sup>1</sup>

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	

---

 22

<sup>1</sup> Prerequisite is PSYC 101 and junior status.

## Telecommunications

*Dr. Malcolm Lane, Minor Adviser*

Phone: (540) 568-2772

E-mail: lanemg@jmu.edu

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 the following:

- 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
	18-19