

MINORS



MINOR AREAS OF STUDY

The University is in the process of approving defined minors. The following minors had been approved at the date of catalog publication. For complete information about minor programs, please consult the department in which the minor resides.

It is the student's responsibility to find out what prerequisites are required for courses in the minor. Prerequisites are listed with the full course descriptions that begin on p. 252.

Accounting

All of the following courses: s.h.

ACCT 2602	Financial Accounting	3
ACCT 2603	Managerial Accounting	3
ACCT 3701	Intermediate Accounting 1	4
ACCT 3702	Intermediate Accounting 2	4
ACCT 3711	Cost Accounting	3

Plus 1-3 s.h. accounting electives.

Total Number of Semester Hours 18-20

Actuarial Science

ECON 2610	Principles 1: Microeconomics	3
ECON 2630	Principles 2: Macroeconomics	3
FIN 3720	Business Finance	3
STAT 5817	Applied Statistics	3
STAT 5843	Theory of Probability	3

One statistics course from the following two courses:

ECON 5824	Appl. Time Series Anal. of Econ. & Bus. Data	3
STAT 5848	Applied Regression and Time Series Analysis	3

Total Semester Hours18

Advertising/Public Relations

Required courses:

ADV 3711	Marketing Communications	4
ADV 3712	Creative Strategies in IMC	3
PREL 3710	Basic Public Relations	3
ADV 4855	IMC Campaigns	3

Electives—Choose 2 of the following:

ADV 3717	Media Planning and Buying	3
ADV 4811	Direct Marketing	3
MKTG 3740	Professional Selling	3

Total Number of Semester Hours19

Aerospace Studies

AERO 1501	Fdns. of US Air Force I	1
AERO 1502	Fdns. of US Air Force II	1
AERO 1503	Leadership Laboratory	1
AERO 1504	Leadership Laboratory	1
AERO 2601	Evol. of Air & Space Power I	1
AERO 2602	Evol. of Air & Space Power II	1
AERO 2603	Leadership Laboratory	1
AERO 2604	Leadership Laboratory	1
AERO 3701	Leadership Studies I	3
AERO 3702	Leadership Studies II	3
AERO 3703	Leadership Laboratory	1
AERO 3704	Leadership Laboratory	1
AERO 4801	Defense Studies/Prep for Active Duty I	3

AERO 4802	Defense Studies/Prep for Active Duty II	3
AERO 4803	Leadership Laboratory	1
AERO 4804	Leadership Laboratory	1

Total Number of Semester Hours24

American Politics

Required courses:

POL 1560	American Government	3
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Any five of the following courses:

POL 3700	American Presidency	3
POL 3701	American Legislative Process	3
POL 3702	Law and Society	3
POL 3703	American Constitutional Law	3
POL 3704	American Political Parties and Elections	3
POL 3714	American Public Opinion	3
POL 3718	American Public Policy and Policy Analysis	3
POL 3722	State and Local Government	3

Total Number of Semester Hours18

American Studies

AMER 2601	American Identity	3
AMER 3701	Approaches to American Studies	3

4 additional upper-division courses, selected from the American Studies list of approved courses, from at least two departments *other* than the department of the student's major and subject to consultation with an American Studies advisor. 12 hours minimum

Total Number of Semester Hours18

Anthropology, General

ANTH 2602	Intro to Anthropology	3
ANTH 3702	Archaeology	3
ANTH 3703	Biological Anthropology	3
ANTH 3705	Cultural Anthropology	3

Plus 6 s.h. of anthropology electives.

Total Number of Semester Hours18

Applied Behavior Analysis

PSYC 1560	General Psychology	3
PSYC 3734	ABA Principles I: Applied Behavior Analysis	3
PSYC 4834	ABA Principles II Behavioral Assessment and Methodology	3
PSYC 4835	ABA Principles III: Behavior Change Procedures	3

One from the following elective courses:

PSYC 3702	Abnormal Psychology	3
PSYC 3709	Psychology of Education	3
PSYC 3712	Survey of Industrial/Organizational Psychology	3

One from the following developmental courses:

PSYC 3755	Child Development	3
PSYC 3756	Adolescent Development	3
PSYC 3757	Adult Development	3
PSYC 3758	Lifespan Development	3

Total Semester Hours18

s.h.

Archaeology

ANTH 2602 Introduction to Anthropology3
 ANTH 3702 Archaeology.....3
 ANTH 4890 Advanced Topics in Archaeology.....3

Plus 9 s.h. taken from ANTH 4824 and ANTH 4825. Three semester hours of ANTH 4825 must include fieldwork.

Total Number of Semester Hours18

Art & Technology for Studio Art Majors

ART 2692 Conceptual Ideation3
 ART 3794 Introduction to Motion Studies3
or
 ART 4891 Multimedia Studies (can be repeated below).....3

Four of the following:

ART 3767 Interface Design for the Internet.....3
 ART 3792 Digital A/V Production I.....3
 ART 4891 Multimedia Studies.....3
 ART 3791 3-D Computer Animation I: Modeling3
 ART 3793 3-D Computer Animation I: Animation3
 ART 4894 Topics in Digital Imaging.....3
 ART 4800 Studio Problems in Art & Technology3
 ART 4893 Advanced Studies in Art & Technology3
 ART 3748D Special Topics in Studio Art: Installation3
 ART 3748G Special Topics in Studio Art: Character Design.....3
 ART 4891 Multimedia Studies.....3

Total Semester Hours18

Art & Technology for Non-Art Majors

ART 1501 Fundamentals of 2-D Design3
 ART 2691 Introduction to Digital Imaging3
 ART 2692 Conceptual Ideation3
 ART 3767 Interface Design for the Internet3
 ART 3794 Introduction to Motion Studies3
or
 ART 4891 Multimedia Studies3

Two of the following courses:

ART 3792 Digital A/V Production3
 ART 3791 3-D Computer Animation I: Modeling .3
 ART 3793 3-D Computer Animation I: Animation3
 ART 4894 Topics in Digital Imaging3
 ART 4800 Studio Problems in Art & Technology3
 ART 4893 Advanced Studies in Art Technology3

Total Number of Semester Hours21

s.h.

Art, General

ART 1501 Fundamentals of 2-D Design.....3
 ART 1521 Foundation Drawing3
 ART 1502 Fundamentals of 3-D Design.....3

Select three (3) courses from any fine-art discipline (drawing, painting, printmaking, ceramics, sculpture) 26xx or higher; 2 must be upper-division

Total Semester Hours18

Art History for Studio Art Majors

Six of the following courses:

ART 3740 Topics in Ancient Art3
 ART 3741 Topics in Medieval Art3
 ART 3742 Topics in Renaissance Art3
 ART 3743 Baroque Art3
 ART 3744 17th & 18th C American Art3
 ART 3745 19th C European Art3
 ART 3746 19th C American Art3
 ART 3747 African American Art3
 ART 3780 African Art3
 ART 3781 Native N. American Art3
 ART 3782 Topics in Precolumbian Art3
 ART 3785 History of Still Photography3
 ART 4880 Special Topics in Art History3
 ART 4889 Seminar in Art History3
 ART 5881 20th C. Art to 19603
 ART 5882 20th C. Art from 19603

Total Number of Semester Hours18

Art History for Non-Art Majors

ART 1541 Survey of Art History 13
 ART 1542 Survey of Art History 23

Four of the following courses:

ART 3740 Topics in Ancient Art3
 ART 3741 Topics in Medieval Art3
 ART 3742 Topics in Renaissance Art3
 ART 3743 Baroque Art3
 ART 3744 17th & 18th C American Art3
 ART 3745 19th C European Art3
 ART 3746 19th C American Art3
 ART 3780 African Art3
 ART 3781 African American Art3
 ART 3781 Native N. American Art3
 ART 3782 Topics in Precolumbian Art3
 ART 3785 History of Still Photography3
 ART 4880 Special Topics in Art History3
 ART 4889 Seminar in Art History3
 ART 5881 20th C. Art to 19603
 ART 5882 20th C. Art from 19603

Total Number of Semester Hours18

Astronomy

ASTR 2609 Moon & Planets3
 ASTR 3711 Astrophysics I3
 ASTR 3712 Astrophysics II3
 ASTR 4811 Observational Astronomy I3
 ASTR 4812 Observational Astronomy II3
 ASTR 4815 Undergrad. Astronomy Research3

Total Number of Semester Hours18

	s.h.
Biological Sciences	
<i>Both of the following courses:</i>	
BIOL 2601 General Biology: Molecules and Cells.....	4
BIOL 2602 General Biology: Organisms and Ecology	4
<i>One of the following core courses:</i>	
BIOL 3711 Cell Biology: Fine Structure.....	3
BIOL 3721 Genetics	3
BIOL 3730/L Human Physiology and Lab.....	5
BIOL 3740/L Plant Diversity and Lab	4
BIOL 3741/L Animal Diversity and Lab	4
One 4800-5800-level course with lab	
One 3700-5800-level course	
Total Number of Semester Hours	18-21

Biomathematics*One of the following:*

BIOL 2601/2601L General Biology: Molecules and Cells	4
BIOL 2602/2602L General Biology: Organisms and Ecology.....	4

One of the following:

BIOL 3711 Cell Biology: Fine Structure.....	3
BIOL 3780/ 3780L Evolutionary Ecology	5

*At least 3 s.h. of upper-division biology courses**Both of the following courses:*

MATH 1571 Calculus 1	4
MATH 1572 Calculus 2.....	4

One of the following:

STAT 3717 Statistical Methods.....	4
STAT 3743 Probability and Statistics	4

One of the following:

MATH 2673 Calculus 3	4
MATH 3705 Differential Equations	3
MATH 3715 Discrete Mathematics	3
MATH 3720 Linear Algebra and Matrix Theory...3	
MATH 3760 Numerical Analysis I.....	3
MATH 3785 Numerical Methods.....	4
STAT 5817 Applied Statistics	3
STAT 5848 Regression Analysis and Time Series.....	3

Both of the following:

MATH/BIOL 3701 Biomathematics Seminar	1-2
MATH/BIOL 4882 Biomathematics Research ...	1-4

Total Semester Hours 18-28**British and American Literature***Both of the following courses:*

ENGL 3701 British and American Literature 1.....	3
ENGL 3702 British and American Literature 2.....	3

s.h.

s.h.

One upper-division American Literature course:

ENGL 3770 American Literature in Historical Perspective.....	3
ENGL 3780 American Genres.....	3
ENGL 4862 Themes in American Literature.....	3
ENGL 4864 Selected Topics in American Literature.....	3
ENGL 4871 The Black Experience in American Literature.....	3

One upper-division British Literature course:

ENGL 4830 Major Figures in British Literature.....	3
ENGL 4831 Genres, Circles, and Movements in British Lit.	3
ENGL 4860 The Medieval World	3
ENGL 4881 Shakespeare and His World	3
ENGL 4882 The English Renaissance	3
ENGL 4886 Restoration and Eighteenth Century British Lit	3
ENGL 4887 The Romantic Period	3
ENGL 4892 Nineteenth Century British Literature Studies.....	3
ENGL 4895 Early Twentieth Century British Studies.....	3
ENGL 4896 British Literature from WW II to the Present	3

A second upper-division course in either American or British Literature

ENGL 4890 Senior Seminar.....

Total Number of Semester Hours 18**Business***All of the following courses*:*

ACCT 2602 Financial Accounting.....	3
ACCT 2603 Managerial Accounting.....	3
MKTG 3703 Marketing Concepts and Practice....	4
FIN 3720 Business Finance	3
MGT 3725 Fundamentals of Management	3
MGT 3761 Information Systems for Management	3
MGT 3737 Management Science	3

*If any of the above courses are part of the student's major, the student must substitute an alternate from the following list:

ACCT 3711 Cost Accounting.....	3
MGT 3750 Human Behavior in Organization....	3
MKTG 3740 Professional Selling.....	3

Total Number of Semester Hours 22**Chemistry**

CHEM 1515 General Chemistry 1.....	4
CHEM 1516 General Chemistry 2.....	4
CHEM 3719 Organic Chemistry 1.....	4
CHEM 3719R Organic Chemistry 1 Recitation.....	1
CHEM 3720 Organic Chemistry 2.....	4
CHEM 3720R Organic Chemistry 2 Recitation.....	1

Total Number of Semester Hours 18

s.h.

Communication Studies

Both of the following courses:
 CMST 1530 Communication Theory3
 CMST 3756 Interviewing.....3
Three 2600-level courses:
 CMST 2645 Presentational Speaking.....3
 CMST 2653 Group Communication.....3
 CMST 2656 Interpersonal Communication.....3
 CMST 2657 Organizational Communication.....3
One Communication Theory & Practice Series course:
 CMST 4855 Interpersonal Communication.....3
 CMST 4859 Organizational Communication.....3
 CMST 5852 Small Group Communication.....3
Total Number of Semester Hours18

Computer Databases

CSIS 1590 Survey of Computer Science and Information Systems.....3
 CSIS 2610 Programming and Problem Solving.....4
 CSIS 3722 Development of Databases.....3
 CSIS 3726 Visual/Object-oriented Programming.....4
 CSIS 3732 Intranet Database Implementation...3
 CSIS 4822 Database Applications3
Total Number of Semester Hours20

Computer Networking

CSIS 1590 Survey of Computing and Information Systems.....3
At least 15 s.h. from the following courses:
 CSIS 3723 Networking Concepts and Administration.....3
 CSIS 3782 Cisco Networking Academy I.....4
 CSIS 3783 Cisco Networking Academy II.....4
 CSIS 4823 Data Communications Networking .4
 CSIS 5883 Remote Access and Multilayer Switched Networks.....4
 CSIS 5884 Building Scalable Networks and Advanced Internetwork Troubleshooting4
 CSCI 5823 Communication Networks3
Total Semester Hours 18-19

Computer Science

CSIS 2610 Programming & Problem Solving...4
 CSIS 2617 Data Structures & Objects.....4
 CSIS 3701 Advanced Object-Oriented Programming.....3
Plus three of the following:
 CSIS 3730 Computer Graphics3
 CSIS 3740 Computer Organization.....4
 CSIS 3760 E-commerce Programming.....3
 CSIS 4819 Parallel and Distributed Computing.....3
 CSIS 5824 Applied Artificial Intelligence.....3
 CSCI 5806 Operating Systems.....3
 CSCI 5814 Computer Architecture3
 CSCI 5870 Data Structures & Algorithms.....3
Total Semester Hours 20-21

s.h.

Corrections

CJUS 1500 Introduction to Criminal Justice3
 CJUS 2603 Corrections.....3
 CJUS 3702 Correctional Strategies4
 CJUS 3702L Correctional Strategies Lab.....2
 CJUS 4803 Correctional Case Management and Treatment3
 CJUS 5802 Corrections Law and Liability3
Total Number of Semester Hours18

Creative Writing

ENGL 2646 Introduction to Fiction Writing3
 ENGL 2647 Introduction to Poetry Writing.....3
 ENGL 2648 Introduction to Script Writing.....3
 ENGL 3740 Advanced Writing.....3
 ENGL 3746 Fiction Writing Workshop3
 ENGL 3747 Poetry Writing Workshop3
Total Number of Semester Hours18

Criminal Behavior

CJUS 1500 Introduction to Criminal Justice3
 CJUS 2603 Corrections.....3
 CJUS 3735 Crime and Delinquency*3
 CJUS 3736 Criminal Victimization.....3
 CJUS 5831 Violence in America.....3
 CJUS 4850 Special Topics in Criminal Justice3
Total Number of Semester Hours18

*Same as SOC 2630 and 3735.

Criminal Justice System

CJUS 1500 Introduction to Criminal Justice3
 CJUS 2601 Policing.....3
 CJUS 2602 Courts3
 CJUS 2603 Corrections.....3
 Plus 6 s.h. of upper-division Criminal Justice courses.
Total Number of Semester Hours18

Criminal/Legal Processes

CJUS 1500 Introduction to Criminal Justice3
 CJUS 2602 Courts3
 CJUS 3719 Criminal Law.....3
 CJUS 3720 Legal Research.....3
 CJUS 3721 Evidence3
 CJUS 5825 Criminal Procedures and Constitutional Issues3
Total Number of Semester Hours18

Cultural Anthropology

ANTH 2602 Introduction to Anthropology3
 ANTH 3705 Cultural Anthropology3
 ANTH 3760 Cultures of the Old World3 or 6
 ANTH 3761 Cultures of the New World3
 ANTH 4801 Anthropological Thought3
and / or
 ANTH 4815 Anthropology of Religion.....3
Total Number of Semester Hours18

s.h.

Dance

THTR 1540	Modern Dance 1	1
THTR 1541	Modern Dance 2	2
THTR 1542	Dance Composition	1
THTR 1550	Wellness for Actors and Dancers	1
THTR 1570	Tap and Jazz 1	1
THTR 1571	Tap and Jazz 2	2
THTR 1572	Ballet 1	1
THTR 1573	Ballet 2	2
THTR 2698	Survey of Dance	3
THTR 3791	Rehearsal and Performance	3
THTR 4892	Pedagogy of Dance Technique	3

or

THTR 3767	Choreography for Musical Theater	2
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Plus a minimum of 4 additional hours of coursework selected from the following:

THTR 2606	Creative Dance for Children	1
THTR 2680	Tap Dance 3	1
THTR 3751	Modern Dance 3	2
THTR 3770	Jazz Dance 3	2
THTR 3781	Ballet 3	2
THTR 4871	Jazz 4	2
THTR 4881	Ballet 4	2

Total Semester Hours 23 minimum

Economics

ECON 2610	Principles I: Microeconomics	3
ECON 2630	Principles 2: Macroeconomics	3

And either:

ECON 3780	Business & Economic Statistics	4
ECON 3781	Business & Economic Statistics Workshop	1

9 semester hours of upper-division

economics electives	9
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or

12 semester hours of upper-division economics

electives other than ECON 3780 and 3781	12
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Total Semester Hours 18 or 20

Economics and Statistics

ECON 2610	Principles 1	3
ECON 2630	Principles 2	3
ECON 3790	Business Statistics	5

9 additional semester hours of electives* in economics, at the 3700 level or higher. Courses at the 1500 level do not count toward the minor.

Total Number of Semester Hours20

* Recommended Economics electives for different majors:

Political Science: ECON 3702, 4843, and 4855

Accounting and Finance: ECON 3701, 3710, 3712, 5809, 5811, and 5812

Marketing: ECON 3710, 3712, and 5801

Management: ECON 3710, 3712, 4810, 5801, and 5831

Pre-Law: ECON 3702, 3710, and 3712

Environmental Studies: ECON 3710, 3712, and 4813

s.h.

Electrical and Computer Engineering

For students with little or no background:

ECEN 1521	Basic Digital & Computer Circuits	3
ECEN 1521L	Basic Digital & Comp. Circuits Lab	1
ECEN 2632	Basic Circuit Theory 1	3
ECEN 2611	Instrumentation & Computation Lab 1	1
ECEN 2633	Basic Circuit Theory 2	3
ECEN 2612	Instrumentation & Computation Lab 2	1
ECEN 3731	Digital Systems 1	3
ECEN 3771	Digital and Analog Circuits 1	3
ECEN 3711	Intermediate Laboratory 1	1

Total Number of Semester Hours19

For students with background in math or computer science:

ECEN 1521L	Basic Digital & Computer Circuits Lab	1
ECEN 2632	Basic Circuit Theory	3
ECEN 2611	Instrumentation & Computation Lab 1	1
ECEN 2633	Basic Circuit Theory 2	3
ECEN 2612	Instrumentation & Computation Lab 2	1
ECEN 3731	Digital Systems 1	3
ECEN 3732	Digital Systems 2	3
ECEN 3771	Digital and Analog Circuits 1	3
ECEN 3711	Intermediate Laboratory 1	1

Total Number of Semester Hours19

For students with background in physics:

ECEN 1521	Basic Digital & Computer Circuits	3
ECEN 1521L	Basic Digital & Comp. Circuits Lab	1
ECEN 3709	Communication Systems	3
ECEN 3731	Digital Systems 1	3
ECEN 3771	Digital and Analog Circuits 1	3
ECEN 3772	Digital and Analog Circuits 2	3
ECEN 4803	Linear Control Systems	3

Total Number of Semester Hours19

Electrical Engineering Technology

EET 1501/L	Circuit Theory 1 + Lab	3 + 1
EET 1502/L	Circuit Theory 2 + Lab	3 + 1
EET 2620/L	Digital Electronics + Lab	2 + 1
EET 3712/L	Programmable Logic Controllers + Lab	3 + 1
EET 3735/L	Microprocessor Architecture + Lab	3 + 0
EET 3745/L	Microprocessor Systems 2 + Lab	3 + 0

Total Semester Hours21

	s.h.
Electronic Commerce Technologies	
CSIS 1590 Survey of Computer Science and Information Systems.....	3
CSIS 2610 Programming and Problem Solving.....	4
CSIS 2660 Foundations of Electronic Commerce.....	3
CSIS 3732 Intranet Database Implementation.....	3
CSIS 3760 Electronic Commerce Programming.....	4
CSIS 3761 Electronic Commerce Strategies.....	3
Total Number of Semester Hours.....	20

Engineering Geology	
GEOL 1505 and	
GEOL 1505L Physical Geology.....	4
GEOL 1513 Physical Evolution of North America.....	4
GEOL 3704 Structural Geology.....	2
GEOL 3704L Structural Geology Laboratory.....	1
GEOL 3706 Geology of Economic Mineral Deposits.....	3
GEOL 3709 Subsurface Investigations.....	3
GEOL 4804 Ground Water.....	3
Total Number of Semester Hours.....	20

English Studies	
<i>One of the following:</i>	
ENGL 3701 American and British Literature 1.....	3
<i>or</i>	
ENGL 3702 American and British Literature 2.....	3
<i>One upper-division American Literature course:</i>	
ENGL 3770 Historical Periods in American Literature.....	3
ENGL 3780 American Genres.....	3
ENGL 4862 Themes in American Literature.....	3
ENGL 4864 Selected Topics in American Literature.....	3
ENGL 4871 The Black Experience in American Literature.....	3
<i>One upper-division British Literature course:</i>	
ENGL 4830 Major Figures in British Literature.....	3
ENGL 4831 Genres, Circles, and Movements in British Lit.....	3
ENGL 4860 The Medieval World.....	3
ENGL 4881 Shakespeare and His World.....	3
ENGL 4882 The English Renaissance.....	3
ENGL 4886 Restoration and Eighteenth Century British Lit.....	3
ENGL 4887 The Romantic Period.....	3
ENGL 4892 Nineteenth Century British Literature Studies.....	3
ENGL 4895 Early Twentieth Century British Studies.....	3
ENGL 4896 British Literature from WW II to the Present.....	3

	s.h.
<i>One course in other literary studies (including world literature and film):</i>	
ENGL 2610 World Literature.....	3
ENGL 2617 Women in Literature.....	3
ENGL 2618 American Literature and Diversity.....	3
ENGL 2620 African Literature.....	3
ENGL 2631 Mythology in Literature.....	3
ENGL 2665 Introduction to Film Study.....	3
ENGL 3703 Literature for Young Children.....	3
ENGL 3704 Literature for Middle School Readers.....	3
ENGL 3705 Young Adult Literature.....	3
ENGL 3738 Selected Topics in World Literature.....	3
ENGL 3765 Film Genres.....	3
ENGL 4865 Selected Topics in Film.....	3

One course each from any two of the following groups:

Group 1: Language, Writing, and Culture	
ENGL 2651 Introduction to Language.....	3
ENGL 3755 Principles of Linguistics Study.....	3
ENGL 3740 Advanced Writing.....	3
ENGL 3790 Selected Topics in Multicultural Studies.....	3
Group 2: Journalism	
ENGL 2622 Basic Journalism.....	3
ENGL 2626 American Journalism.....	3
ENGL 3716 Feature Writing.....	3
ENGL 3717 Editorial and Opinion Writing.....	3
ENGL 3723 Editing and Design for Newspapers.....	3
JOURN 4824 Press Law and Ethics.....	3

Group 3: Creative Writing	
ENGL 2646 Introduction to Fiction Writing.....	3
ENGL 2647 Introduction to Poetry Writing.....	3
ENGL 2648 Introduction to Script Writing.....	3
ENGL 3746 Fiction Writing Workshop.....	3
ENGL 3747 Poetry Writing Workshop.....	3

Group 4: Technical and Professional Communication	
ENGL 3743 Professional and Technical Communication.....	3
ENGL 3744 Proposal and Report Writing.....	3
ENGL 4849 Professional and Technical Editing.....	3

Total Number of Semester Hours.....18

Environmental Geography	
<i>Both of the following courses:</i>	
GEOG 1503 Introduction to Physical Geography.....	3
GEOG 2610 Map Use and Interpretation.....	3
<i>Plus at least 12 s.h. from the following courses, at least 9 s.h. of which are at the 3000 or 4000 level:</i>	
GEOG 3703 Human Impacts on the Environment.....	3
GEOG 2630 Weather.....	3
GEOG 3710 Remote Sensing.....	3
GEOG 3730 Global Climates.....	3

	s.h.
GEOG 3732 GIS 1	3
GEOG 3737 Soils and Land Use	3
GEOG 4825 Geography Internship	3
Total Number of Semester Hours	18

Environmental Geology

All of the following courses:

GEOL 1505 Physical Geology <i>and</i>	
GEOL 1505L Physical Geology lab	4
GEOL 1513 Physical Evolution of North America	4
GEOL 2615 Geology and the Environment 1	3

A minimum of 9 s.h. from the following courses:

GEOL 3701 Geomorphology	4
GEOL 3702 Glacial Geology	3
GEOL 3709 Subsurface Investigations	3
GEOL 3720 Field Investigations in Geology	1-4
GEOL 4804 Ground Water	3
GEOL 5815 Geology and the Environment 2	2
GEOL 5817 Environmental Geochemistry	3

Total Number of Semester Hours20

Environmental Studies

All of the following courses:

ENST 2600 Foundations of Environmental Studies	3
ENST 2600L Foundations Laboratory	1
ENST 2650 Independent Study	3
ENST 5810 Environmental Safety	1
ENST 3750 Environmental Seminar	1
ENST 5860 Environmental Regulations	3

A minimum of six s.h. from the following courses:

ENST 3700 Environmental Chemistry	3
ENST 3730 Air Quality	3
ENST 3751/L Water Quality	2
ENST 3781 Environmental Sampling	3
ENST 5800 Environmental Impact Analysis	3
ENST 5830 Risk Assessment	3

Total Number of Semester Hours18

Finance

All of the following courses:

FIN 3720 Business Finance	3
FIN 3721 Personal Financial Management	4
FIN 3730 Investment Analysis	4
FIN 4835 Advanced Business Finance	4

Plus 4 s.h. from the following courses:

FIN 4836 Financial Markets	4
FIN 4853 Financial Analysis	4

Total Number of Semester Hours19

s.h.

Food and Nutrition

FNUT 1551 Normal Nutrition	3
FNUT 1551L Nutrition Lab	1
FNUT 1553 Food Science & Mgmt.	3
FNUT 1553L Food Science & Mgmt. Lab	1
FNUT 2603 Diet Therapy	3
FNUT 2603L Diet Therapy Lab	1
FNUT 3761 Nutrition & the Athlete	3
HMEC 4875 Directed Individual Study	3

Total Number of Semester Hours18

Foreign Affairs

One course is required:

POL 1550 Intro to Political Science	3
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One of the following two courses is required:

POL 2640 Contemporary World Governments	3
POL 2660 International Relations	3

One to three courses from field of international relations:

POL 3760 International Polit Economy	3
POL 3761 U.S. Foreign Policy	3
POL 3764 International Organization	3
POL 3763 International Law	3

One to three courses from field of comparative politics:

POL 3741 Russia and China Revolution Reform	3
POL 3742 Political Development & Political Regimes	3
POL 3744 European Politics	3
POL 3751 Latin American Politics	3

Total Number of Semester Hours18

Forensic Anthropology

ANTH 2602 Intro to Anthropology	3
ANTH 3702 Archaeology	3
ANTH 3703 Biological Anthropology	3
ANTH 4880 Forensic Anthropology I	3
ANTH 4881 Forensic Anthropology II	3
ANTH 4800 Undergraduate Research	3

Total Number of Semester Hours18

Forensic Science

CJUS 1500 Introduction to Criminal Justice	3
CJUS 2601 Policing	3
CJUS 2602 Courts	3
CJUS 3714 Forensic Science Investigation	2
CJUS 3714L Forensic Science Investigation Laboratory	1
CJUS 3721 Evidence	3
CJUS 5814 Forensic Science and the Criminal Justice System	3

Total Number of Semester Hours18

s.h.

French

FRNC 2605 Advanced Intermediate.....3
 FRNC 2606 Intensive French Review.....3
 FRNC 3715 Conversation and Composition.....3

3 of the following:

FRNC 3740 French for Business and
 Communication.....3
 FRNC 3750 Civilization and Culture3
 FRNC 3771 French Fiction.....3
 FRNC 3772 French Drama3
 FRNC 3773 French Poetry.....3

Total Semester Hours18

Geographic Information Systems

GEOG 1503 Introduction to Physical
 Geography.....3

or

GEOG 2640 Human Geography3
 CSIS 1590 Survey of Computer Science and
 Information Systems.....3
 GEOG 2610 Map Use and Interpretation.....3
 GEOG 3710 Remote Sensing3
 GEOG 3732 GIS 1.....3
 GEOG 3765 GIS 2.....3

At least one of the following courses:

GEOG 3726 Urban Geography3
 GEOG 3737 Soils and Land Use3
 GEOG 3740 Business Geographics.....3
 GEOG 3741 Transportation Geography3
 GEOG 4825 Geography Internship.....3
 GEOG 4890 Senior Research3

Total Number of Semester Hours21

Geoscience

Both of the following courses:

GEOL 1505 and
 GEOL 1505L Physical Geology.....4
 GEOL 1513 Physical Evolution of
 North America.....4

Plus a minimum of 10 s.h. of upper-division
 geology courses.

Total Number of Semester Hours18

Gerontology

SOC 1500 Introduction to Sociology3

15 s.h. from the following courses:

SOC 3703 Aging and Society.....3
 SOC 3755 Theories of Gerontology3
 SOC 3756 Aging and Ethnicity.....3
 SOC 3757 Aging and Social Policy3
 SOC 3759 Sociology of Dementia3
 SOC 4803 Aging and Society.....3
 SOC 4801 Later Life Issues.....3
 SOC 4821 Internship.....3
 ANTH 3790 Aging in Cross-Cultural
 Perspectives.....3

Total Number of Semester Hours18

s.h.

Graphic Design for Non-Art Majors

ART 1501 Fundamentals of 2-D Design3
 ART 2691 Introduction to Digital Imaging3
 ART 2661 Intro to Graphic Design3
 ART 2662 Intro to Typography3
 ART 3768 Pre-Press Production3
 ART 3761 Intermediate Graphic Design.....3

One of the following courses:

ART 3762 Advanced Typography3
 ART 3767 Interface Design for the Internet3
 ART 4861 Publication Design3

Total Number of Semester Hours21

Graphic Design for Studio Art Majors

ART 2661 Intro to Graphic Design3
 ART 2662 Intro to Typography3
 ART 3768 Pre-Press Production3
 ART 3761 Intermediate Graphic Design.....3

Two of the following courses:

ART 3762 Advanced Typography3
 ART 3767 Interface Design for the Internet3
 ART 4861 Publication Design3
 ART 4863 Identity Systems3
 ART 4865 Advertising Graphics3

Total Number of Semester Hours18

Greek Studies

GRK 2600 Intermediate.....4
 GRK 2603 Directed Reading 13-6
 GRK 3753 Directed Reading 23-6
 GRK 4883 Directed Reading 33-6

One of the following courses:

FNLG 2660 Women in the Ancient World.....3
 HIST 3752 Ancient History I (Greece).....3
 LATN 1550 Elementary4

Total Number of Semester Hours19

History

One of the following courses:

HIST 1511 World Civilization to 1500.....3
 HIST 1512 Civilization from 1500.....3

One of the following courses:

HIST 2605 Turning Points in U.S. History I.....3
 HIST 2606 Turning Points in
 U.S. History II.....3

Four courses chosen from Groups B, C, & D, below.
 One course must be selected from each group. The
 fourth course may be from Group B, C, or D. Three
 courses must be at the 3700 level or higher.

Group B (American): 2601, 2630, 3700, 3702, 3704,
 3706, 3710, 3712, 3713, 3715, 3717, 3723, 3726, 3732,
 3733, 3734, 3736, 3740, 3741, 3742, 3743, 3744, 3748,
 3762, 4801, 4811, 4812, 4815, 5808, 5809, 5810.

Group C (European): 3752, 3753, 3755, 3757, 3758,
 3759, 3760, 3761, 3762, 3763, 3765, 3766, 3767, 3769,
 3778, 3779, 3780, 3782, 3785, 3787, 3788, 3790, 3791,
 3792, 3794, 4850, 4851.

s.h.

Group D (Non-Western): 2611, 2661, 2662, 2663, 3700, 3727, 3728, 3740, 3749, 3750, 3751, 3770, 3772, 3776, 3779, 3781, 3789, 3795, 3797, 3798, 4850, 4860.

Total Number of Semester Hours18

History, Applied

HIST 5806 American Architectural History I.....3

HIST 5807 American Architectural History II3

HIST 4812 Applied History Internship3

HIST 5810 Conservation of the Built Environment3

HIST 3715 Introduction to Applied History3

HIST 4811 Practicum in Applied History3

HIST 2605 Turning Points in U.S. History I.....3

HIST 2606 Turning Points in U.S. History II3

Total Number of Semester Hours24

History/Historic Preservation

HIST 2605 Turning Points in U.S. History I (T)..3

HIST 2606 Turning Points in U.S. History II (T)..3

HIST 3715 Introduction to Historic Preservation3

HIST 5808 American Architectural History3

HIST 5809 Documentation and Interpretation of Historic Sites3

HIST 5810 Conservation of the Built Environment3

HIST 5811 Practicum in Historic Preservation...3

HIST 5812 Historic Preservation Internship.....3

Total Semester Hours24

Human Geography

Both of the following courses:

GEOG 2610 Map Use and Interpretation3

GEOG 2640 Human Geography3

At least 12 s.h. from the following courses:

GEOG 3722 Historical Geography of the US.....3

GEOG 3726 Urban Geography3

GEOG 3732 GIS 1.....3

GEOG 3740 Business Geographics.....3

GEOG 3741 Geography of Transportation.....3

GEOG 3745 Automobile in American Culture3

GEOG 4825 Geography Internship3

Total Number of Semester Hours18

Human Resources

All of the following courses:*

MGT 3725 Fundamentals of Management3

MGT 3734 Human Resources Management.....3

MGT 3750 Human Behavior in Organization3

Plus 9-12 s.h. from the following courses:*

MGT 3705 Fundamentals of Occupational Safety.....3

s.h.

MGT 3715 Labor Law and Negotiations.....4

MGT 3735 Communication for Management and Business3

MGT 3755 Managing Diversity3

MGT 3761 Information Systems for Management3

MGT 4810 Compensation and Performance Appraisal.....4

MGT 4819 Selection, Training, and Development4

*If any of the above courses are part of the student's major, an alternate course needs to be substituted. Consult the Department of Management.

Total Number of Semester Hours18-21

Illustration for Studio Art Majors

ART 3751 Intermediate Painting.....3

ART 2653 Watercolor Painting3

ART 2621 Life Drawing3

ART 3763 Illustration3

Select two of the following courses:

ART 3724 Lithography3

ART 4851 Advanced Painting 13

ART 4852 Advanced Painting 23

ART 3721 Expressive Drawing3

ART 4800 Studio Problems3

Total Number of Semester Hours18

Industrial and Systems Engineering

ISEN 3710 Engineering Statistics3

ISEN 3716 Systems Analysis and Design3

ISEN 3720 Statistical Quality Control3

ISEN 3723 Manufacturing Processes.....2

ISEN 3723L Manufacturing Processes Laboratory.....1

ISEN 3724 Engineering Economy3

ISEN 3736 Methods Engineering2

ISEN 3736L Methods Engineering Laboratory ...1

Total Number of Semester Hours18

Information Systems Programming

CSIS 1590 Survey of Computer Science and Information Systems.....3

CSIS 2610 Programming and Problem Solving4

CSIS 3713 RPG and Midrange Computing.....4

CSIS 3726 Visual/Object-oriented Programming.....3

CSIS 3741 Business Programming Project.....4

Total Number of Semester Hours18

Integrated Technologies

CSIS 1590 Survey of Computing and Information Systems3

INFO 1575 Document Preparation4

INFO 3714 Advanced Spreadsheets3

INFO 3774 Multimedia Technologies.....4

s.h.

Two courses from the following:

INFO 3787	Training and Employee Development.....	3
CSIS 3723	Data Concepts and Administration.....	3
CSIS 3722	Development of Databases.....	3
Total Semester Hours		20

Italian

ITAL 2600	Intermediate.....	4
ITAL 2605	Advanced Intermediate.....	3
ITAL 3720	Advanced Grammar and Composition.....	3
ITAL 3725	Phonetics.....	3
ITAL 3730	Conversation.....	3
ITAL 3735	Civilization.....	3

Total Number of Semester Hours19

Italian Cultural Studies, Interdisciplinary

ITAL 2600	Intermediate.....	4
ITAL 2605	Advanced Intermediate.....	3
ITAL 3720	Advanced Grammar and Composition.....	3
ITAL 3730	Conversation.....	3

At least two of the following:

ART 3742	Topics in Renaissance Art.....	3
ART 3743	Baroque and Rococo Art.....	3
MUHL 3772	Music History and Literature 2.....	3
HIST 3758	Renaissance Europe.....	3
HIST 3785	The Mediterranean World: Modern Italy, 1815 to present.....	3

Total Number of Semester Hours19

Journalism

All of the following courses:

ENGL 2622	News Reporting.....	3
ENGL 2626	American Journalism.....	3
ENGL 3721L	Journalism Workshop.....	3
ENGL 3723	Editing and Design for Newspapers.....	3
ENGL 4824	Press Law and Ethics.....	3

Plus one of the following courses:

JOURN 3716	Feature Writing.....	3
JOURN 3717	Editorial and Opinion Writing.....	3

Total Number of Semester Hours18

Judaic Studies

HIST 1512	Introduction to World Civilization.....	3
REL 2601	Introduction to World Religions.....	3
HIST 3789	Jewish History.....	3
REL 3724	Judaism.....	3

Two of the following:

HIST 3798	Middle East II: The Modern Period.....	3
HIST 3788	The Holocaust.....	3
REL 3731	Hebrew Scriptures.....	3
HBRW 2605	Advanced Intermediate Hebrew.....	3
HBRW 2606	Readings in Old Testament.....	3

Total Semester Hours18

s.h.

Juvenile Justice System

CJUS 1500	Intro to Criminal Justice.....	3
CJUS 2603	Corrections.....	3
CJUS 3702	Correctional Strategies.....	4
CJUS 3702L	Correctional Strategies Laboratory.....	2
CJUS 3735	Crime and Delinquency*.....	3
CJUS 3736	Criminal Victimization.....	3
CJUS 5875	Juvenile Justice System.....	3

*Same as SOC 2630 and 3735.

Total Number of Semester Hours21

Latin Studies, Interdisciplinary

LATN 2600	Intermediate Latin.....	4
LATN 2603	Directed Reading 1.....	3-6
LATN 3753	Directed Reading 2.....	3-6
LATN 4883	Directed Reading 3.....	3-6

Students who need one additional course to meet the 19-hour requirement may take at least one course from the following list of electives:

FNLG 2600	Women in the Ancient World.....	3
HIST 3752	Ancient History 1 (Greece).....	3
HIST 3753	Ancient History 2 (Rome).....	3
ART 3741	Topics in Ancient Art.....	3
GRK 1550	Elementary.....	4

At least 9 s.h. of upper-division courses are required for the minor.

Total Number of Semester Hours19

Law Enforcement

CJUS 1500	Intro to Criminal Justice.....	3
CJUS 2601	Policing.....	3
CJUS 3714	Forensic Science Investigation.....	2
CJUS 3714L	Forensic Science Investigation Laboratory.....	1
CJUS 3715	Criminal Justice Management Concepts.....	3
CJUS 3765	Human Relations.....	3
CJUS 5825	Criminal Procedures and Constitutional Issues.....	3

Total Number of Semester Hours18

Linguistics

Required Course:

ENGL 3755	Prin. of Linguistic Study.....	3
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At least two courses from Group I:

ENGL 3750	Language and Culture.....	3
ENGL 3757	Dev. of the English Language.....	3
ENGL/		
FNLG 4850	Sociolinguistics.....	3
ENGL 4855	Advanced Linguistics.....	3
ENGL 4858	English Grammar.....	3
FRNC 3710	Applied Phonetics.....	3
FRNC 3715	Conversation & Composition.....	3
FRNC 4885	Special Topics.....	3
ITAL 3720	Adv. Grammar & Composition.....	3
ITAL 3725	Phonetics.....	3
SPAN 3724	Spanish Pronunciation.....	3
SPAN 3735	Adv. Spanish Grammar & Comp.....	3

	s.h.
SPAN 3736 Intro. to Spanish Linguistics	3
SPAN 5855 Topics in Spanish Lang. & Ling	3
<i>Additional coursework from Groups I and II (following):</i>	
ENGL/FNLG 4851 Language Acquisition	3
ENGL 4856 TESOL Methods	3
ENGL 4857 TESOL Practicum	3
ENGL 4858 English Grammar	3
ENGL 4859 Sel. Topics in Discourse	3
PHIL 2619 Intro. to Logic	3
PHIL 3714 Language and Mind	3
PHIL 3719 Symbolic Logic	3
CSCI 5835 Artificial Intelligence	3
PSYC 3761/3761L Cognition/Lab	4
PSYC 3764/3764L Psycholinguistics/Lab	4

Total Number of Semester Hours18

Logistics

MGT 3725 Fund. of Management	3
MGT 3789 Operations Mgmt.	3
<i>or</i>	
ISEN 4815 Production Planning & Control	3
GEOG 3741 Geog. of Transportation	3
<i>or</i>	
GEOG 2640 Human Geography	3
MGT 4882 Seminar in Logistics	3
MGT 4896 Logistics Internship	3
Elective	3

Total Number of Semester Hours 18-21

Loss Prevention and Assets Protection

CJUS 1500 Intro to Criminal Justice.....	3
CJUS 2601 Policing	3
CJUS 3751 Prevention Strategies.....	3
CJUS 3700 Fire Investigation and Life Safety Codes.....	3
CJUS 3715 Criminal Justice Management Concepts	3
CJUS 3740 Criminal Justice Information Systems	3
CJUS 4848 Loss Prevention and Assets Protection Administration	3

Total Number of Semester Hours21

Management Information Systems

All of the following courses:*

MGT 3725 Fundamentals of Management	3
MGT 3761 Information Systems for Management	3
MGT 5835 Systems Analysis and Design.....	3
<i>Plus 9 s.h. from the following courses*:</i>	
MGT 3737 Management Science	3
MGT 5865 Database Management Systems	3
MGT 3771 Electronic Commerce	3
MGT 3789 Operations Management	3

*If any of the above courses are part of the student's major, an alternate course from the list needs to be substituted.

Total Number of Semester Hours18

s.h.

Marketing

MKTG 3703 Marketing Concepts & Practice	4
MKTG 3726 Consumer Behavior	3
MKTG 3740 Professional Selling	3
MKTG 4825 Mktg. Management	3

Electives (Choose 2):

MKTG 3709 Retail Marketing	3
MKTG 3720 Industrial Marketing	3
MKTG 4815 Marketing Research	3
MKTG 4845 International Marketing	3

Total Number of Semester Hours19

Mathematics

Option 1:

MATH 1571 Calculus 1.....	4
MATH 1572 Calculus 2.....	4

Plus at least 10 s.h. of course work with MATH 1572 as a prerequisite, including at least 6 s.h. of courses numbered above 3700.

OR

Option 2:

MATH 1570 Applied Calculus 1	4
MATH 2670 Applied Calculus 2	5

Plus at least 9 s.h. of course work with MATH 2670 or MATH 1572 as a prerequisite, including at least 6 s.h. of courses numbered above 3700.

Total Number of Semester Hours18

Mechanical Engineering

MECH 2603 Thermodynamics 1	3
MECH 2604 Thermodynamics 2	3
MECH 2641 Dynamics	3
MECH 3720 Fluid Dynamics	3
MECH 3742 Kinematics of Machines	3
MECH 3751 Stress & Strain Analysis 1	3

Military Science

MSCI 1510 Intro. to ROTC	1
MSCI 1530L Leadership Lab	0
MSCI 1520 Intro. to Leadership	1
MSCI 1530L Leadership Lab	0
MSCI 2610 Self/Team Development	2
MSCI 2630 Leadership Lab	0
MSCI 2620 Individ./Team Military Tactics	2
MSCI 2630L Leadership Lab	0
MSCI 3710 Leading Small Organizations 1	3
MSCI 3730L Leadership Lab	0
MSCI 3720 Leading Small Organizations 2	3
MSCI 3730L Leadership Lab	0
MSCI 4810 Leadership Challenges & Goal Setting	3
MSCI 4830L Leadership Lab	0
MSCI 4820 Transition to Lieutenant	3
MSCI 4830L Leadership Lab	0
MSCI 3740 ROTC Nat'l Adv. Leadership Camp.....	4

Total Number of Semester Hours22

s.h.

Multimedia and Web Design

CSIS 1590	Concepts of Computer Science and Information Systems.....	3
INFO 3774	Multimedia Technologies	4
INFO 3775	Multimedia Authoring	4
INFO 3776	Web Development.....	4
INFO 3777	Computer Technology for Digital Image Processing	4

Total Number of Semester Hours19

Music

Lower-Division: 12 s.h., including:

MUTC 1531	Theory 1	3
MUTC 1532	Theory 1	3

Plus an additional 6 s.h. from the following lower-division courses:

Any Dana School of Music Ensemble	1	
<i>may be repeated</i>		
MUAC 1500A	Minor Appl. Study	1
MUAC 1500B	Minor Appl. Study	1
MUAC 1525	Jazz Fundamentals	2
MUAC 2600A	Minor Appl. Study	1
MUAC 2600B	Minor Appl. Study	1
MUED 2611	Computer Applications in Music Education.....	2
MUHL 2616	Survey of Jazz	3
MUHL 2617	Film Music.....	3
MUHL 2618	Rock n' Roll to Rock	3
MUHL 2619	Music in Non-Western Societies	3
MUHL 2621	Music Lit. and Appreciation.....	3
MUHL 2622	Popular Music in America	3
MUTC 2631	Music Theory 2	3
MUTC 2632	Music Theory 2	3

Upper-Division: 6 s.h. from the following courses:

MUHL 3771	Music History and Lit. 1.....	3
MUHL 3772	Music History and Lit. 2.....	3
MUHL 3773	Music History and Lit. 3.....	3
MUHL 3774	Music History and Lit. 4.....	3
MUAC 3700A	Minor Appl. Study	1
MUAC 3700B	Minor Appl. Study	1
MUAC 5800A	Minor Appl. Study	1
MUED 3722	Music in Early Childhood.....	3

Total Number of Semester Hours18

(Consult the Dana School of Music for suggested models.)

Nonprofit Leadership

BUS 3720	Nonprofit Leadership	3
ACCT 3722	Fin. Mgmt. for Nonprofit Orgs.	2
PREL 3710	Basic Public Relations	3
<i>or</i>		
ADV 3711	Marketing Communications	4
MGT 3734	Human Resource Mgmt.	3
BUS 3740	Nonprofit Leadership Community Service	1
MKT 4848	Marketing & Social Responsibility.....	3
BUS 4840	Nonprofit Leadership Internship	3
BUS 4841	Nonprofit Leadership Seminar	1

Total Number of Semester Hours 19-23

s.h.

Object-Oriented Programming

CSIS 1590	Survey of Computer Science and Information Systems.....	3
CSIS 2610	Programming and Problem Solving.....	4
CSIS 2617	Data Structures and Objects	4
CSIS 3701	Advanced Object-oriented Programming.....	3
CSIS 3726	Visual/Object-oriented Programming.....	3
CSIS 3760	E-Commerce Programming.....	3

Total Number of Semester Hours20

Painting for Non-Art Majors

ART 1501	Fundamentals of 2-D Design	3
ART 1521	Foundation Drawing	3
ART 2650	Intro to Painting	3
ART 3751	Intermediate Painting	3

Select three of the following courses:

ART 2653	Watercolor Painting	3
ART 4851	Advanced Painting 1	3
ART 4852	Advanced Painting 2	3
ART 4853	Advanced Painting 3	3
ART 4800	Studio Problems: Painting	3

Total Number of Semester Hours21

Painting for Studio Art Majors

ART 3751	Intermediate Painting	3
ART 2653	Watercolor Painting	3
ART 4851	Advanced Painting 1	3
ART 4852	Advanced Painting 2	3
ART 4853	Advanced Painting 3	3
ART 4800	Studio Problems: Painting	3

Total Number of Semester Hours18

Philosophy

PHIL 2600	Introduction to Philosophy	3
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At least 6 s.h. from the following courses:

PHIL 2609	Technology and Human Values	3
PHIL 2619	Introduction to Logic.....	3
PHIL 2625	Introduction to Professional Ethics.....	3
PHIL 2630	Critical Thinking	3

At least 3 s.h. from the following courses:

PHIL 3700	Ancient and Medieval Philosophy	3
PHIL 3702	History of Modern Philosophy	3
PHIL 3705	20th Century Philosophy	3

At least 3 s.h. from the following courses:

PHIL 3711	General Ethics.....	3
PHIL 3719	Symbolic Logic	3
PHIL 3780	Theories of Knowledge	3

Any 3700- or 4800-level course in philosophy: 3

Total Number of Semester Hours18

	s.h.
Photography for Studio Art Majors	
ART 2672 Color Photography	3
ART 2673 Digital Photography 1	3

Select four of the following courses:

ART 3776 Topics in Intermediate Photography	3
ART 3748 Special Topics in Studio Art/Photo	3
ART 3785 History of Still Photography	3
ART 3775 Photography: Issues & Practice	3
ART 4800 Studio Problems	3
ART 4873 Topics in Advanced Photography	3

Total Number of Semester Hours18

Photography for Non-Art Majors

ART 1501 Fundamentals of 2-D Design	3
ART 2671 Intro to B & W Photo	3
ART 2672 Color Photography	3
ART 2673 Digital Photography 1	3

Select two of the following courses:

ART 3776 Topics in Intermediate Photography	3
ART 3748 Special Topics in Studio Art/Photo	3
ART 3785 History of Still Photography	3
ART 3775 Photography: Issues & Practice	3
ART 4873 Topics in Advanced Photography	3
ART 4800 Studio Problems	3

Total Number of Semester Hours18

Physics

All of the following courses:

PHYS 2610 General Physics 1	4
PHYS 2610L General Physics Lab 1	1
PHYS 2611 General Physics 2	4
PHYS 2611L General Physics Lab 2	1
Plus upper-division electives	8

Total Number of Semester Hours18

Political Science

Both of the following courses:

POL 1550 Introduction to Political Science	3
POL 1560 American Government.....	3

One of the following courses:

POL 2640 Contemporary World Governments	3
POL 2660 International Relations	3

Plus three upper-division Political Science courses.

Total Number of Semester Hours18

Professional Ethics

All of the following courses:

PHIL 2600 Introduction to Philosophy	3
PHIL 2625 Introduction to Professional Ethics.....	3
PHIL 3711 General Ethics.....	3

Plus at least 9 s.h. from the following courses:

PHIL 2609 Technology and Human Values.....	3
PHIL 3723 Law and Criminal Justice Ethics.....	3

PHIL 3725 Biomedical Ethics.....	3
PHIL 3727 Environmental Ethics	3
PHIL 3728 Engineering Ethics	3
PHIL 3735 Ethics and Scientific Research	3
PHIL 3760 Ethics of War and Peace	3

Total Number of Semester Hours18

Professional Writing and Editing

All of the following courses:

ENGL 3743 Professional and Technical Communication.....	3
ENGL 3744 Proposal and Report Writing	3
ENGL 4849 Professional and Technical Editing	3
ENGL 2622 News Reporting	3
ENGL 3723 Editing and Design for Newspapers	3

Plus 3 s.h. from the following courses:

ENGL 4898 Professional Writing Internship.....	1-3
ENGL 4899 Professional Writing Senior Project.....	3
ENGL 4824 Press Law and Ethics.....	3
ENGL 3716 Feature Writing.....	3
ENGL 3717 Editorial and Opinion Writing.....	3
ENGL 3721L Journalism Workshop.....	3
ENGL 2602 Media Writing.....	3

Total Semester Hours18

Psychology

Psychology, Developmental

PSYC 1560 General Psychology	3
PSYC 2617 Research Meth & Stat 1*	4
PSYC 3755 Child Development.....	3
PSYC 3756 Adolescent Development.....	3
PSYC 3757 Adult Development.....	3
Plus PSYC 2618 or any upper-division course ...	3

Total Semester Hours19

Psychology, General

PSYC 1560 General Psychology	3
PSYC 2617 Research Methods & Statistics I*	4
PSYC 3700 Social Psychology.....	3
PSYC 3734 Applied Behavior Analysis.....	3

One of the following courses:

PSYC 3702 Abnormal Psychology	3
PSYC 3775 Personality.....	3

One of the following courses:

PSYC 3755 Child Development.....	3
PSYC 3756 Adolescent Development.....	3
PSYC 3757 Adult Development	3
PSYC 3758 Lifespan Development	3

Total Semester Hours19

*A research methods course from another department may be substituted for PSYC 2617 if approved by the Psychology Department. A student who does not take PSYC 2617 must take an additional 3 s.h. in psychology to meet requirements for the minor.

s.h.

Regional Geography

All of the following courses:

GEOG 2610	Map Use and Interpretation	3
GEOG 2626	World Regional Geography	3
GEOG 2640	Human Geography	3

Plus at least 3 s.h. from the following courses:

GEOG 3719	Geography of the United States	3
GEOG 3721	Geography of Ohio	3

Plus at least 6 s.h. from the following courses:

GEOG 3715	Geography of Middle America	3
GEOG 3717	Geography of Europe	3
GEOG 3750	Topics in Regional Geography	3
GEOG 4850	International Area Study	3

Total Semester Hours18

Religious Studies

REL 2601	Introduction to World Religions	3
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Plus 3 s.h. from the following courses:

REL 2605	Myth, Symbol and Ritual	3
REL 2617	Introduction to Eastern Religions	3
REL 2621	Religion and Moral Issues	3
REL 2631	Religion and the Earth	3

Plus 6 s.h. from the following courses:

REL 3708	African-American Religion	3
REL 3710	African and Neo-African Religion	3
REL 3720	Islam	3
REL 3722	Christianity	3
REL 3724	Judaism	3
REL 3726	Buddhism	3
REL 3731	Hebrew Scriptures	3
REL 3732	Jesus and the Gospels	3
REL 3741	Islamic Mysticism and Philosophy	3
REL 3743	Ethics and Politics in Islam	3

Plus at least 6 s.h. of additional 3700- or 4800-level courses in Religious Studies.

Total Semester Hours18

Social Institutions

SOC 1500	Introduction to Sociology	3
SOC 2601	Social Problems	3
SOC 3740	Complex Organization	3
SOC 3705	The Family	3

Plus 6 s.h. of Sociology electives, 3 s.h. of which must be 3700 level or above.

Total Number of Semester Hours18

Social Stratification

SOC 1500	Introduction to Sociology	3
SOC 2640	Women in Society	3
SOC 3700	Minority Groups	3
SOC 3743	Social Stratification and Inequality	3

Plus 6 s.h. in Sociology electives, at least 3 s.h. of which are 3700 level or above.

Total Number of Semester Hours18

s.h.

Social Work

All of the following courses:

SCWK 1510	Intro. to Social Work	3
SCWK 2622	Social Work Processes	3
SCWK 2641	American Social Welfare	3
SCWK 2642	Human Behavior and the Social Environment for Social Workers 1	3
SCWK 5823	Cultural Diversity in Social Work Practice	3

Plus 3 s.h. from the following courses:

SCWK 3728	Social Services for Children	3
SCWK 3730	Social Services and the Aged	3
SCWK 3731	Social Services and the Disabled	3
SCWK 4860	Seminar Special Topics in Social Work	3

Total Number of Semester Hours18

Sociology, Applied

SOC 1500	Introduction to Sociology	3
SOC 2601	Social Problems	3
SOC 3707	Urban Sociology	3
SOC 3720	Applied Sociology	3

Plus 6 s.h. of Sociology electives, at least 3 s.h. of which are 3700 level or above.

Total Number of Semester Hours18

Sociology, General

SOC 1500	Introduction to Sociology	3
SOC 2601	Social Problems	3
SOC 3720	Applied Sociology	3

Plus 9 s.h. of sociology electives, 6 of which are 3700 level or above.

Total Number of Semester Hours18

Spanish

All of the following courses:

SPAN 2605	Advanced Intermediate	3
SPAN 2655	Conversation for Proficiency 1	3
SPAN 3735	Advanced Grammar and Composition	3
SPAN 3755	Conversation for Proficiency 2	3
SPAN 3737	Translation and Composition	3

Plus 3 s.h. from the following courses:

SPAN 3724	Spanish Pronunciation	3
SPAN 3736	Introduction to Spanish Linguistics	3

Total Number of Semester Hours18

Spanish Language and Cultures

All of the following courses:

SPAN 2605	Advanced Intermediate	3
SPAN 2655	Conversation for Proficiency 1	3
SPAN 3735	Advanced Grammar and Composition	3
SPAN 3755	Conversation for Proficiency 2	3

	s.h.
<i>Plus 3 s.h. from the following courses:</i>	
SPAN 3752 Spanish Culture and Lit. 1	3
SPAN 3753 Spanish Culture and Lit. 2	3
<i>Plus 3 s.h. from the following courses:</i>	
SPAN 3756 Spanish-American Culture and Literature 1	3
SPAN 3757 Spanish-American Culture and Literature 2	3
Total Number of Semester Hours	18

Spatial Arts for Art Majors

	s.h.
<i>Select six from the following courses:</i>	
ART 3712 Intermediate Sculpture	3
ART 3713 Advanced Sculpture	3
ART 3732 Intermediate Ceramics	3
ART 2615 Intro to Metals	3
ART 3715 Advanced Metals	3
ART 4834 Advanced Spatial Arts Studio	3
ART 4800 Studio Problems	3
Total Number of Semester Hours	18

Spatial Arts for Non-Art Majors

ART 1501 Fundamentals of 2-D Design	3
ART 1502 Fundamentals of 3-D Design	3
ART 2611 Intro to Sculpture	3
ART 2631 Intro to Ceramics	3
<i>Select three of the following courses:</i>	
ART 3712 Intermediate Sculpture	3
ART 3713 Advanced Sculpture	3
ART 3732 Intermediate Ceramics	3
ART 3733 Advanced Ceramics	3
ART 4834 Advanced Spatial Arts Studio	3
Total Number of Semester Hours	21

Statistics

<i>One introductory statistics course:</i>	
STAT 2601 Introductory Statistics	3
STAT 3717 Statistical Methods	3
STAT 3743 Probability and Statistics	4
STAT 3781H Biostatistics	3
ECON 3780 Business and Economic Statistics	4
PSYC 2618 Research Methods and Statistics 2	3
SOC 3701 Social Statistics 1	3
<i>or equivalent*</i>	
<i>One intermediate statistics course:</i>	
STAT 5817 Applied Statistics	3
PSYC 3724 Advanced Statistical Methods Psychology	3
<i>or equivalent*</i>	

	s.h.
<i>Plus at least 12 s.h. from the following courses, with a maximum of one course from category II:</i>	
Category I—Statistics courses:	
STAT 5840 Statistical Computing	3
STAT 4820 Modern Decision Making	3
STAT 5843 Theory of Probability	3
STAT 5844 Theory of Statistics	3
STAT 5846 Categorical Data Analysis	3
STAT 5847 Nonparametric Statistics	3
STAT 5848 Applied Regression and Time Series	3
STAT 5895 Special Topics in Statistics	2-3
ECON 5824 Applied Time Series Analysis of Economic and Business Data	3
ISEN 3720 Statistical Quality Control	3
Category II—Calculus courses:	
MATH 1549 College Business Mathematics 2	4
MATH 1570 Applied Calculus 1	4
MATH 1571 Calculus 1	4
MATH 1580H Biomathematics 1	2
MATH 1585H Calculus 1	5

*For equivalent courses, consult the Department of Mathematics and Statistics.

Total Number of Semester Hours 18-21

Telecommunication Studies

TCOM 1580 Intro to Telecom. Studies	3
TCOM 1581 Telecom. Technologies	2
TCOM 2682 Scriptwriting for Elec. Media	3
TCOM 2683 Media Operations & Performance ...	3
<i>3 of the following:</i>	
TCOM 3783 Telecom. Regulations	3
TCOM 3784 Telecom. Programming	3
TCOM 3791 Elec. Media Sales & Promo.	3
TCOM 4881 Telecom. Management	3
TCOM 4885 New Dev. in Telecom.	3
TCOM 4886 Audience & Mkt. Measurement	3
TCOM 4887 Theories and Criticism of Telecom. .	3
Total Number of Semester Hours	20

Theater

<i>All of the following:</i>	
THTR 1559 Play Production	3
THTR 1561 Stagecraft	3
THTR 2668 Acting I: Fundamentals	3
<i>2 from the following:</i>	
THTR 3761 Makeup	3
THTR 3762 Directing I	3
THTR 3769 Costume Design	3
THTR 3763 Scene Design	3
THTR 3765 Lighting Design	3
<i>1 of the following:</i>	
THTR 4891 Theater History and Texts to 1700 ...	3
THTR 4860 Theater History and Texts from 1700	3
Total Number of Semester Hours	18

	s.h.
Web Communications	
CSIS 1590 Survey of Computer Sci. & Info. Sys.	3
INFO 3774 Multimedia Technology	4
INFO 3776 Website Development.....	4
ENGL 3743 Professional/Technical Communication.....	3
ENGL 3744 Proposal/Report Writing.....	3
ENGL 4843 Advanced Professional/Technical Commun.....	3
<i>or</i>	
ENGL 4849 Professional/Technical Editing.....	3
Total Semester Hours	20

	s.h.
Women's Studies	
WMST 2601 Introduction to Women's Studies	3
ENGL 2617 Women in Literature	3
<i>or</i>	
REL 3754 Feminism, Ecology, and Religion	3
HIST 3726 History of Women in the United States.....	3
<i>or</i>	
HIST 3787 History of Women in Europe	3
PSYC 3730 Psychology of Women.....	3
<i>or</i>	
SOC 2640 Women in Society	3
<i>Any two of the following courses:</i>	
SOC 2690 Identities and Differences	3
ENGL 3732 Images of Women	3
HIST 3726 History of Women in the United States*	3
HIST 3787 History of Women in Europe*	3
BIOL 3718 Women, Science, and Technology	3
PSYC 3730 Psychology of Women*	3
SOC 2640 Women in Society*	3
MGT 3755 Managing Diversity	3
WMST 3750 Special Topics in Women's Studies...	3
CHFM 3731 Individual & Family Development..	3
HMEC 5893 Work and Family	3
REL 3754 Feminism, Ecology, and Religion*	3
Total Semester Hours	18

*If not taken above



