

TRANSFER STUDENT COURSE REQUIREMENTS

A student can transfer from Orange Coast College to a four-year college or university as a junior without loss of time or credits by completing the following:

- 1. Lower Division Major Requirements:** These courses should be completed before transferring. They provide background and preparation in order to concentrate on the major beginning in the junior year. Course requirements for specific majors and schools are listed in the Transfer Curriculum Guides. These Guides are available in the Counseling Center and Transfer Center in Watson Hall.
- 2. General Education Requirements:** These are the courses required of everyone to obtain a degree regardless of major. They are designed to provide students with the knowledge, skills and understanding which will enable them to function as intelligent and creative members of the community. Courses in writing, critical thinking, mathematics, sciences, arts and humanities, and the social sciences are included in general education.
- 3. Electives:** These are transferable courses of choice taken in addition to courses for the major and general education requirements.

Lower Division Major Requirements

Most majors at four-year colleges and universities require the completion of one or more lower division courses as preparation for upper division coursework. Orange Coast College offers courses to meet the lower division requirements for most majors at most four-year schools.

Transfer Curriculum Guides are available that list the requirements for specific majors at UC Berkeley, UC Irvine, UC Los Angeles, UC San Diego, UC Santa Barbara, CSU Fullerton, CSU Long Beach, Cal Poly Pomona, San Diego State, San Francisco State, Cal Poly San Luis Obispo, Chapman and USC. Additional schools are included on most of the Guides. The Guides are available in the Counseling Center, the Transfer Center and on the Transfer Center website at www.orangecoastcollege.edu/transfer (<http://www.orangecoastcollege.edu/transfer/>)

Students should check the catalog of the college they wish to transfer to and meet with their counselor for additional information about major programs and requirements.

The courses listed below are required for the major at most four-year schools; however, many colleges require additional coursework to complete the lower division major requirements. The course information given below has been edited for catalog publication purposes and may not accurately reflect recent changes or total course requirements for particular programs or schools.

Advertising

Course	Title	Units
CMST A180	Introduction to Mass Communications	3
Additional coursework may be required in Communications, Economics, Marketing and/or Political Science.		

Anthropology

Course	Title	Units
ANTH A100	Cultural Anthropology	3
or ANTH A100H	Cultural Anthropology Honors	

Course	Title	Units
ANTH A185/A185L	Physical Anthropology	3
ANTH A280	Introduction to Archaeology	3
Additional coursework may be required in Biology, Chemistry, Computer Science and/or Physics.		

Architecture/Landscape Architecture

Course	Title	Units
ARCH A105	Architectural Drawing and Design Visualization 1	2
ARCH A110	Introduction to Architecture	2
ARCH A115	Architectural Design and Theory 1	4
ARCH A180	Architectural Construction Documents	4
ARCH A185	Environmental Design Systems	4
ARCH A205	Architectural Drawing and Design Visualization 2	3
ARCH A215	Architectural Drawing and Design Theory 2	4
Additional coursework may be required in Architecture, Art, Drafting, Engineering, English, Mathematics and/or Physics. Landscape Architecture requires coursework in Horticulture.		

Art

Course	Title	Units
ART A100	Survey of Western Art from Prehistory Through Gothic	3
or ART A100	Survey of Western Art from Prehistory Through Gothic	
ART A101	Survey of Western Art from Renaissance to Modern	3
or ART A101H	Honors Survey of Western Art from Renaissance to Modern	
ART A110	Color and Design: Two-Dimensional	3
ART A111	Color and Design: Three-Dimensional	3
ART A120	Beginning Drawing	3
or ART A120H	Beginning Drawing Honors	
Additional coursework may be required in Art, Film and/or Photography		

Biology

Course	Title	Units
BIOL A180	Introduction to Biology for Majors 1: Cell and Molecular Biology	4
BIOL A185	Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology ¹	5
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5
CHEM A220	Organic Chemistry A	3
CHEM A225	Organic Chemistry B	3
PHYS A130	University Physics 1 (non-majors)	4
PHYS A135	University Physics 2 (non-majors)	4
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A185	Calculus 2	4
or MATH A185H	Calculus 2 Honors	

Course	Title	Units
Additional coursework may be required in Biology and/or Mathematics. Some schools will accept Physics A120 & A125 instead of A130 & A135.		

¹ BIOL A182 Zoology/BIOL A182L Zoology Lab and BIOL A183 Botany/BIOL A183L Botany Lab can be substituted at some schools. Some schools require BIOL A182 Zoology/BIOL A182L Zoology Lab & BIOL A183 Botany/BIOL A183L Botany Lab instead of BIOL A185 Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology. Check current Transfer Curriculum Guide for latest information.

Business (CSU)

Course	Title	Units
ACCT A101	Financial Accounting	4
ACCT A102	Managerial Accounting	4
BUS A110	Business Law	3
ECON A170	Microeconomics	3
ECON A175	Macroeconomics	3
CIS A111	Introduction to Computer Information Systems	3
MATH A115 or MATH A155	College Algebra Finite Mathematics with Applications	4
MATH A140	Business Calculus	4
MATH A160	Introduction to Statistics	4

Additional coursework may be required in Accounting, Business, Computer Science, Mathematics and/or Philosophy. CSU Fullerton requires Accounting A110 in addition to A101 & A102. CSULB requires Math A140 and A155.

Business (UC and Independent)

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed Private colleges link on the transfer web page.

Chemistry

Course	Title	Units
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5
CHEM A220	Organic Chemistry A	3
CHEM A225	Organic Chemistry B	3
MATH A180 or MATH A180H	Calculus 1 Calculus 1 Honors	4
MATH A185 or MATH A185H	Calculus 2 Calculus 2 Honors	4
MATH A280 or MATH A280H	Calculus 3 Calculus 3 Honors	4
PHYS A185	Calculus Based Physics: Mechanics	4
PHYS A280	Calculus Based Physics: Electricity/ Magnetism	4
PHYS A285	Calculus Based Physics: Modern	4

Additional coursework may be required in Biology, Chemistry and/or Mathematics.

Child Development

Course	Title	Units
HMDV A180	Child Growth and Development	3
Additional coursework may be required in Biology, Early Childhood, Food and Nutrition, Human Development, Psychology and/or Sociology.		

Computer Science

See Transfer Curriculum Guide for requirements.

Criminal Justice and Law

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Dance

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Economics

Course	Title	Units
ECON A170	Microeconomics	3
ECON A175	Macroeconomics	3
MATH A180 or MATH A180H	Calculus 1 Calculus 1 Honors	4
MATH A185 or MATH A185H	Calculus 2 Calculus 2 Honors	4

Additional coursework may be required in Accounting, Business and/or Mathematics.

Engineering

See Transfer Curriculum Guide for requirements.

English

Course	Title	Units
ENGL A100	Freshman Composition	3
ENGL A101 or ENGL A101H	Critical Reasoning: Fiction Critical Reasoning: Fiction Honors	4
ENGL A270	Survey of British Literature Before 1800	3
ENGL A275	Survey of British Literature After 1800	3

Additional coursework may be required in Communications, English, Foreign Language, History, Philosophy and/or Speech.

Environmental Studies

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Family and Consumer Science

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Film

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Food Science and Nutrition

See Transfer Curriculum Guide for requirements.

Foreign Languages

Foreign Language through A285H.

Forestry/Natural Resources Management

Course	Title	Units
BIOL A180	Introduction to Biology for Majors 1: Cell and Molecular Biology	4
BIOL A185	Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology	5
or		
BIOL A182 & A182L	Zoology and Zoology Lab	4
and		
BIOL A183 & A183L	Botany and Botany Lab	4
CHEM A180	General Chemistry A	5
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	

Additional coursework may be required in Anthropology, Biology, Computer Science, Chemistry, Ecology, Economics, Geology, History, Mathematics, Physics and/or Political Science.

Geography

Course	Title	Units
GEOG A180	Physical Geography	3
or GEOG A180H	Physical Geography Honors	
GEOG A185	Cultural Geography	3

Additional coursework may be required in Biology, Chemistry, Economics, Geography, Marine Science, Mathematics and/or Political Science.

Geology

Course	Title	Units
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5
GEOL A110	Physical Geology	4
GEOL A185/A185L	Evolution of the Earth	3
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A185	Calculus 2	4
or MATH A185H	Calculus 2 Honors	
PHYS A185	Calculus Based Physics: Mechanics	4
PHYS A280	Calculus Based Physics: Electricity/ Magnetism	4
PHYS A285	Calculus Based Physics: Modern	4

Course	Title	Units
Additional coursework may be required in Biology, Chemistry, Geology and/or Mathematics.		

Health Sciences

See Transfer Curriculum Guide for requirements.

History

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Horticulture

Course	Title	Units
BIOL A183/A183L	Botany	3
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5
HORT A181	Ornamental Trees	3
HORT A182	Ornamental Shrubs	3
HORT A183	Plant Propagation	3

Additional coursework may be required in Biology, Business, Chemistry, Computer Science and/or Mathematics.

Hotel and Food Service Management

Course	Title	Units
ACCT A101	Financial Accounting	4
ACCT A102	Managerial Accounting	4
CIS A111	Introduction to Computer Information Systems	3
CA A100	Introduction to the Hospitality Industry	3
ECON A170	Microeconomics	3
ECON A175	Macroeconomics	3

Additional coursework may be required in Biology, Business, Chemistry, Culinary Arts, Food and Nutrition, Food Service Management, Mathematics, Philosophy, Psychology, Sociology and/or Speech.

Interior Design

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Kinesiology

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Journalism

Course	Title	Units
CMST A180	Introduction to Mass Communications	3
JOUR A110	News Writing and Reporting	3

Additional coursework may be required in Computer Information Systems, Economics, Film and/or Photography.

Liberal Studies

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Marine Science/Oceanography

Course	Title	Units
BIOL A180	Introduction to Biology for Majors 1: Cell and Molecular Biology	4
BIOL A185	Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology	5
or		
BIOL A182 & A182L	Zoology and Zoology Lab	4
and		
BIOL A183 & A183L	Botany and Botany Lab	4
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A185	Calculus 2	4
or MATH A185H	Calculus 2 Honors	
PHYS A130	University Physics 1 (non-majors)	4
PHYS A135	University Physics 2 (non-majors)	4

Additional coursework may be required in Biology, Chemistry, Computer Science, Geology, Marine Science and/or Mathematics.

Mathematics

Course	Title	Units
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A185	Calculus 2	4
or MATH A185H	Calculus 2 Honors	
Select one of the following:		3
MATH A280	Calculus 3	
MATH A280H	Calculus 3 Honors	
MATH A285	Introduction to Linear Algebra and Differential Equations	
MATH A285H	Introduction to Linear Algebra and Differential Equations Honors	

Additional coursework may be required in Chemistry, Computer Science, Mathematics and/or Physics.

Music

Course	Title	Units
MUS A180	Theory 1	3
MUS A185	Theory 2	3
MUS A280	Theory 3	3
MUS A285	Theory 4	3

Majors must demonstrate keyboard proficiency. Additional coursework may be required in Foreign Language and/or Music.

Philosophy

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Physics/Astronomy

Course	Title	Units
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A185	Calculus 2	4
or MATH A185H	Calculus 2 Honors	
MATH A280	Calculus 3	4
or MATH A280H	Calculus 3 Honors	
PHYS A185	Calculus Based Physics: Mechanics	4
PHYS A280	Calculus Based Physics: Electricity/ Magnetism	4
PHYS A285	Calculus Based Physics: Modern	4

Additional coursework may be required in Astronomy, Chemistry, Computer Science and/ or Mathematics.

Political Science

Course	Title	Units
PSCI A180	American Government	3
or PSCI A180H	American Government Honors	
PSCI A185	Comparative Politics	3

Additional coursework may be required in Computer Science, Economics, History, Mathematics and/or Political Science.

Public Relations

Course	Title	Units
CMST A180	Introduction to Mass Communications	3
JOUR A110	News Writing and Reporting	3

Additional coursework may be required in Computer Information Systems, Economics, Film, Marketing, Photography and/or Political Science.

Religious Studies

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Social Ecology

Course	Title	Units
MATH A160	Introduction to Statistics	4
PSYC A100	Introduction to Psychology	3
or PSYC A100H	Introduction to Psychology Honors	
PSYC A280	Introduction to Experimental Methods	4
SOC A100	Introduction to Sociology	3
or SOC A100H	Introduction to Sociology Honors	

Social Science

See Transfer Curriculum Guide for requirements.

Social Work

Course	Title	Units
MATH A160	Introduction to Statistics	4
PSYC A100 or PSYC A100H	Introduction to Psychology Introduction to Psychology Honors	3
SOC A100 or SOC A100H	Introduction to Sociology Introduction to Sociology Honors	3

Additional coursework may be required in Anthropology, Economics, History, Philosophy, Political Science, Psychology, Sociology and/ or Speech.

Speech and Communicative Disorders

For UC, see www.assist.org (<http://www.assist.org>) to obtain updated course list. Independent colleges are listed. Private colleges link on the transfer web page.

Teaching

Students wishing to teach in the public schools in California must obtain the appropriate credential. Both the Multiple Subjects Credential and the Single Subject Credential require the completion of specific coursework. The completion of a teaching credential program usually requires five years of college. Most of the lower division coursework required for these programs is offered at OCC.

Technology

See Transfer Curriculum Guide for requirements.

Theatre Arts

Course	Title	Units
THEA A106	Acting Fundamentals	3
THEA A107	Acting 2	3

Additional coursework is required in Theatre Arts.

Certification of General Education for Transfer to UC or CSU

Upon a student's request, Orange Coast College will verify the completion of lower division general education requirements for transfer to the University of California (Intersegmental General Education Transfer Curriculum) or the California State University (either the CSU General Education Breadth Requirements or the Intersegmental General Education Transfer Curriculum). Students who transfer without certification will have to meet the general education requirements of the specific UC or CSU campus to which they are transferring. Meeting these requirements usually necessitates taking additional courses.

Both CSU General Education Breadth and the IGETC should be completed in their entirety prior to transfer. Students can request partial certification of CSU General Education Breadth sub-areas if all requirements within the sub-area are met. Students using the IGETC who are missing no more than two courses prior to matriculation at a four-year institution may request partial certification during any term except in the final term prior to graduation from the four-year institution.

Students who have taken courses at other colleges can have these courses "passed along" in the certification process. OCC will certify courses taken at other California community colleges and CSU in the areas designated by the offering college. Courses taken at California four-year colleges or out-of-state two- or four-year colleges will be certified if

they are equivalent to courses on the IGETC or CSU General Education Breadth list taught at any of the California community colleges. Courses from foreign institutions cannot be used in the certification process.

Students requesting CSU General Education Breadth certification must complete at least 12 of the 39 required units at OCC.

OCC will certify courses only once. Certification is not automatic and must be requested after the completion of the last term, prior to transfer. This request should be made in the Enrollment Center in Watson Hall when final transcripts are sent to UC or CSU. Courses taken at other colleges after a student has left OCC will not be certified.

A course used in the certification process must be on either the IGETC or the CSU General Education Breadth list during the term in which it is taken. If a course is taken before it is approved for inclusion on the list, it cannot be certified. Similarly, a course which is taken after it has been removed from the list cannot be certified.

OCC will also certify the completion of the CSU American Institutions Requirement for students following either IGETC or CSU General Education Breadth.