

*Transfer
&
Dual Degree
Students*

Spring 2012

Produced by the Office of Undergraduate Studies



CASE WESTERN RESERVE
UNIVERSITY EST. 1826

think beyond the possible™

GUIDELINES

November 2012

Hello! Ni Hao! Hola!

I am delighted that you have selected Case Western Reserve University as a place to complete your educational goals. You are now joining a unique and diverse community that offers a vast array of opportunities to grow personally and prepare for a promising future. As you walk about the campus, you will meet students from around the world. Your being at Case Western Reserve University will add to our rich tapestry of cultures, perspectives and backgrounds.

Transferring to another institution is exciting, and requires flexibility and initiative. You already have a blueprint for how to navigate a campus, but there will be moments that may bring back memories of first year uncertainty. I am happy to help you make the transition as seamless as possible. Our Transfer/ Binary Student Orientation will also provide valuable information.

Guidelines for Transfer & Dual Degree Students will take you through the registration process step by step. Please read it carefully and use it as a resource in planning your academic life. This publication also includes a listing of offices and contact information which will assist you as you explore our campus.

I am looking forward to meeting you in the next few weeks.

Best wishes,

A handwritten signature in black ink, appearing to read "Claudia C. Anderson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Claudia C. Anderson
Assistant Dean, Office of Undergraduate Studies

Table of Contents

Introduction

| | |
|---|----|
| Register for Classes..... | 4 |
| Dual Degree Engineering Students..... | 13 |
| Pre-Medical and Pre-Dental Students..... | 14 |
| Pre-Law Students..... | 17 |
| Study Abroad..... | 19 |
| Research Opportunities..... | 21 |
| Placement Exams..... | 23 |
| Proficiency Exams..... | 23 |
| Essentials – IDs, Parking, U-Pass, Housing, E-mail..... | 24 |
| Declaring a Major..... | 26 |
| Academic Representatives..... | 27 |

Reference Materials

| | |
|---|----|
| College of Arts and Sciences SAGES Requirements..... | 32 |
| Case Western Reserve University School of Engineering SAGES Requirements..... | 35 |
| Frances Payne Bolton School of Nursing SAGES Requirements..... | 38 |
| Weatherhead School of Management SAGES Requirements..... | 41 |
| 2011-2012 Majors and Minors..... | 43 |
| Advanced Placement (AP) Course Equivalencies 2011-2012..... | 45 |
| International Baccalaureate (IB) Course Equivalencies 2011-2012..... | 48 |
| Financial Information..... | 50 |
| Campus Resources..... | 51 |
| Five Year Academic Calendar..... | 57 |

Introduction

The Registration Process

Registration for classes is through the **Student Information System**, or **SIS**. You will be able to register on-line once you have confirmed your enrollment and paid your \$500 deposit. You will want to register as soon as possible before classes begin on January 17, 2012. Adjustments to your schedule can be made through the Drop/Add Period (first two weeks of classes).

You may contact the Office of Undergraduate Studies (216)368-2928 to schedule an advising appointment with Dean Claudia Anderson or e-mail with questions [claudia.anderson@case.edu]. Appointments are available beginning January 9, 2012. Students in the Frances Payne Bolton School of Nursing should contact Professor Marcella Hovancsek at (216) 368-5985 for advising prior to registration.

When registering for classes, remember that you may receive additional transfer credit for courses that require departmental approval or for courses not yet submitted for evaluation. This is often the case when an entire semester has not been included in your initial transfer credit evaluation.

SIS checks for course prerequisites. If you have transfer credit pending, you may need to request an electronic permit for a class. You may do so by emailing the instructor with details about your academic preparation. If a permit is issued, you must still register for the course in SIS.

STEP 1 - Select the SAGES/Core Curricula

The Seminar Approach to General Education and Scholarship (SAGES) courses are designed to develop quantitative, analytical, and communication skills as well as a heightened awareness of human values and institutions. Courses focus on writing competency, the arts and humanities, natural and mathematical sciences, social sciences and physical education. The four SAGES/Core Curricula have some elements in common so it is possible for students to start in one curriculum and switch to another.

- The Arts and Sciences General Education Requirements - (majors in Arts, Humanities, Social/Behavioral Sciences; Mathematics and Natural Sciences, Nutrition; B.A. Computer Science).
- The Case Western Reserve University School of Engineering Core Curriculum - (all engineering majors). B.S. Computer Science majors follow a *modified* Engineering Core. ENGR 200, 210 and 225 are **not** required.
- The Frances Payne Bolton School of Nursing General Education Requirements
- The Weatherhead School of Management General Education Requirements - majors in Accounting and Management.

FIRST SEMINAR

- If you have received credit for FSCC 100TR (First Seminar), you will be required to register for the one credit seminar, FSTS 100. It requires an electronic permit prior to registration. Please contact Professor Peter Whiting at peter.whiting@case.edu to obtain the permit.
- Students for whom English is a second language may be placed into an "English as a Second Language First Seminar." Final placement will be determined after an evaluation of your writing sample.

BREADTH REQUIREMENTS

- A transferred course will fulfill a category as a Breadth Requirement as long as it is in a listed department. It may have a direct equivalent to a CWRU course (i.e. "General Psychology" is transferred as Case Western Reserve University's PSCL 101) or may not have a corresponding equivalent course at Case Western Reserve University (i.e. PSCL 100-TR, 200-TR or 300-TR). All, nevertheless, will meet the "Social Sciences" requirement.
- **PHYSICAL EDUCATION** Exemption will be granted **only** under the following conditions and with appropriate documentation:
 - possession of a DD214 form from the military
 - a varsity athlete for two years (a letter from your coach is required)
 - enrolled in ROTC for two semesters
 - medical conditions that prohibit participation will be evaluated on a case by case basis (medical documentation required)
 - completion of marching band as zero credit hours (one semester exemption only)

ENGINEERS ONLY

- Transfer credit for CHEM 105, 106, 113 will replace CHEM 111 (required for Engineering/B.S Computer Science Majors following the Engineering Core Curriculum). It will not replace credit for ENGR 145.

Note: Detailed explanations of the SAGES General Education Requirements can be found in the [Handbook for Undergraduate Students at www.case.edu/provost/ugstudies/resources.htm](http://www.case.edu/provost/ugstudies/resources.htm). Refer to the most current handbook.

STEP 2 - Select a Major

Over 60 majors leading to Bachelor of Arts and Bachelor of Science degrees are offered. Follow the requirements listed under each major in the Handbook for Undergraduate Students.

STEP 3 - Select a Minor

Minors are optional. Follow procedure for *Major Requirements*.

STEP 4 - Review your Transfer Credit Evaluation

- Case Western Reserve University will consider the following for possible credit:
 - * Advanced Placement Exams (AP)
 - * International Baccalaureate (IB)
 - * A-Level Exams
 - * Coursework from universities abroad. Please submit a copy of your test results or translated transcripts to the Office of Undergraduate Studies.
- If you completed college courses while in high school, additional verification is required before credit will be considered. Please contact the Office of Undergraduate Studies for information.

Transfer credit is updated just prior to registration for classes each semester. Deadlines to submit additions or changes to transfer credit are **March 1st and October 1st**. Transfer credit submitted after these deadlines will be posted no later than the next deadline date. Your registration appointment time may be delayed if your transfer credit has not been updated. It is important to submit changes to your transfer credit by or before the deadlines.

STEP 5 – *Once you've selected a major and corresponding SAGES/Core, compare your transferred courses to your requirements and check off those that have been completed.*

STEP 6 – *Select courses you wish to take and check pre-requisites. You are not permitted to register for more than 19 semester hours your first semester. Full time status is considered to be 12-19 semester hours.*

Remember, SIS requires that course pre-requisites be met. If you have transfer credit pending, you may email the instructor of the course with details about your academic background and request a permit. Permits are given at the discretion of the instructor.

STEP 7 – To access the *Schedule of Classes*, you will need to log into the Student Information System by going to <http://www.case.edu/erp/sis>. The link will take you to the *Student Information System Sign In* page where you will enter your Case Western Reserve University Network ID and Password. If this is your first time entering SIS, the *Student Information System Confidentiality Agreement* will appear. Read through the statement and check the box next to **"I have read, understand and will comply with this agreement."** Once you agree to the confidentiality statement, you will be taken to your SIS homepage, which will look like the sample on the following page.

Listed on the succeeding pages, you will find guidelines of how to use the *Schedule of Classes* in the SIS.

** If a course is closed, please contact the professor or department to request an override. If space is available, an electronic permit can be used which will allow you to add the course on-line or you may be placed on a waiting list. To e-mail the instructor of the course, click on the instructor's name on the "Schedule of Classes."*

Using SIS to Explore Course Options and Place Courses in the Shopping Cart

STEP 1: Log into the Student Information System (SIS)

To access the *Schedule of Classes*, you will need to log into the Student Information System by going to <http://www.case.edu/sis>. This link will take you to the *Student Information System Sign In* page where you will enter your Case Network ID and Password. If this is your first time entering SIS, the *Student Information System Confidentiality Agreement* will appear. Read through the statement and check the box next to "I have read, understand and will comply with this agreement." Once you agree to the confidentiality statement, you will be taken to your SIS homepage, which will look like the sample below.

Important Notes

Do not use the Back button on your browser while using SIS.

SIS Student Homepage

The figure below should be the first page you see each time you log into SIS.

STEP 2: Click the **Search** link or the **Search for Classes** button to begin searching for classes.

The screenshot shows the SIS Student Homepage for Ima Student (ID: 9991116). The page is divided into several sections:

- Academics:** Includes a **Search** link (highlighted with a red box), **Plan**, **Enroll**, **My Academics**, and an enrollment shopping cart link.
- Finances:** Includes **My Account**, **Account Inquiry**, and **Account Summary** (showing a balance of 18,651.00).
- Personal Information:** Includes **Authorized Users**, **Demographic Data**, **Emergency Contact**, **Names**, and **User Preferences**.
- Holds:** Includes a **Registration Advisor Hold** (highlighted with a red box).
- Enrollment Dates:** Includes **Open Enrollment Dates**.
- Advisor:** Includes **Program Advisor** (None Assigned) (highlighted with a red box).
- Academic Document Links:** Includes **Order Official Transcripts** and **Order Enrollment Verification**.
- Other Academic Links:** Includes **Blackboard** and **MediaVision Courseware**.
- Other Financial Links:** Includes **Financial Aid briefCase** and **Housing**.

Red arrows point from the text on the right to the **Search** link, the **SEARCH FOR CLASSES** button, the **Holds** section, and the **Advisor** section.

Holds, such as the Registration Advisor Hold, appear here.

Once an **advisor** is assigned to you, the individual's name will appear here.

Search Plan Enroll My Academics

search for classes browse course catalog

Search for Classes

Enter Search Criteria

Institution: Case Western Reserve Univ

Term: Fall 2011

Select at least 2 search criteria. Click Search to view your search results.

Class Search Criteria

Course Subject: **select subject** | PHYS | Physics

Course Number: is exactly | 115

Course Career: (example: Undergraduate)

Academic Group: Show Open Classes Only

Use Additional Search Criteria to narrow your search results.

Meeting Start Time: greater than or equal to | (example: 1:00PM)

Meeting End Time: less than or equal to |

Day of Week: include only these days | Mon Tues Wed Thurs Fri Sat Sun

Instructor Last Name: is exactly |

Class Nbr: (example: 1136)

Course Keyword: (example: statistics)

Minimum Units: greater than or equal to |

Maximum Units: less than or equal to |

Course Component: |

Campus: |

Building: |

Course Attribute: |

Course List: |

CLEAR CRITERIA SEARCH

STEP 3: Verify that the Institution is **Case Western Reserve Univ** and the Term is **Fall 2011**.

STEP 4: Enter a **Course Subject*** code and **Course Number** if available. Leave Course Number blank to view all available courses in that department.

If you do not know the course subject code, click the **Select Subject** button to view a listing.

STEP 5: Verify that **"Undergraduate"** is the Course Career.

STEP 6: Press the **Search Button**.

*The **Course Subject Code** is a four-letter code that is an abbreviated reference to the subject. Example: Physics = PHYS

A complete list of Course Subject Codes can be found by clicking the **Select Subject** icon (See **STEP 4**).

Search for Classes

Search Results

Room assignments are subject to change.

Case Western Reserve Univ | Fall 2011

[My Class Schedule](#)

You are not registered for classes in this term.

[Shopping Cart](#)

Your shopping cart is empty.

The following classes match your search criteria Course Subject: **Physics**, Course Number is exactly '115', Show Open Classes Only: **No**

START A NEW SEARCH

Open Closed Wait List

PHYS 115 - Introductory Physics I

[Course Evalu...](#)

| Section | Status | Textbook | select class |
|---|---------------------------------------|--------------------------------|------------------------------|
| Section 100-LEC(1541) | <input checked="" type="radio"/> | | select class |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| MoWeFr 10:30AM - 11:20AM | Rockefeller 301 (200) | Diana Driscoll | 08/29/2011 - 12/09/2011 |
| Section 110-LAB(1792) Status <input checked="" type="radio"/> Textbook select class | | | |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| Tu 8:30AM - 11:30AM | Rockefeller 404 (32) | Diana Driscoll | 08/29/2011 - 12/09/2011 |
| Section 111-LAB(1793) Status <input checked="" type="radio"/> Textbook select class | | | |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| Fr 3:00PM - 6:00PM | Rockefeller 404 (32) | Diana Driscoll | 08/29/2011 - 12/09/2011 |
| Section 112-LAB(1794) Status <input type="radio"/> Textbook select class | | | |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| Tu 8:30AM - 11:30AM | Rockefeller 404 (32) | Diana Driscoll | 08/29/2011 - 12/09/2011 |
| Section 151-REC(1790) Status <input checked="" type="radio"/> Textbook select class | | | |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| Th 1:15PM - 2:05PM | Rockefeller 309 (79) | Staff | 08/29/2011 - 12/09/2011 |
| Section 152-REC(1791) Status <input checked="" type="radio"/> Textbook select class | | | |
| Session Regular | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates |
| Th 2:45PM - 3:35PM | Rockefeller 309 (79) | Staff | 08/29/2011 - 12/09/2011 |

START A NEW SEARCH

STEP 7: View Class Attributes.

- Course Status Key
- Course Number and Title
- Type of Course and Section Number
- Course Type could read
 - ◊ LEC (Lecture)
 - ◊ LAB (Laboratory)
 - ◊ REC (Recitation)
 - ◊ CLIN (Clinical)
- Days and Times
- Multiple Sections Available?
 - ◊ Some classes will have multiple sections on different days of the week or different times of the day.

STEP 8: Click on the **Section** to read the course description and enrollment requirements.

Search Plan Enroll My Academics

search for classes browse course catalog

Search for Classes

Class Detail

PHYS 122 - 100 General Physics II - Electricity and Magnetism [Course Evaluations](#)
[Textbook](#)

Case Western Reserve Univ | Fall 2011 | Lecture

[VIEW SEARCH RESULTS](#)

Class Details

| | | | |
|-------------------------|---|-----------------|---------------------------|
| Status | Open | Career | Undergraduate |
| Class Number | 1549 | Dates | 8/29/2011 - 12/9/2011 |
| Session | Regular Academic Session | Grading | Regular Grades |
| Units | 4 units | Location | Main Campus |
| Class Components | Laboratory Required Lecture Required | Campus | Case Western Reserve Univ |

Meeting Information

| Days & Times | Room | Instructor | Meeting Dates |
|------------------------|-----------------------|-----------------|-------------------------|
| MoWeFr 2:00PM - 2:50PM | Strosacker Auditorium | Robert Deissler | 08/29/2011 - 12/09/2011 |

Enrollment Information

Enrollment Requirements Prereq: PHYS 121 or PHYS 123. Prereq or Coreq: MATH 122 or MATH 124 or MATH 126.

Class Attributes Available for Senior Citizen and Alumni Audit

Class Availability

| | | | |
|-------------------------|-----|---------------------------|---|
| Class Capacity | 256 | Wait List Capacity | 0 |
| Enrollment Total | 175 | Wait List Total | 0 |
| Available Seats | 81 | | |

Notes

Class Notes Enrolling in a PHYS 122 laboratory section should automatically enroll you in the PHYS 122 lecture.

Description

Electricity and magnetism, emphasizing the basic electromagnetic laws of Gauss, Ampere, and Faraday. Maxwell's equations and electromagnetic waves, interference, and diffraction. This course has a laboratory component.

[VIEW SEARCH RESULTS](#)

STEP 9: Review additional course attributes.

- Required and optional components may be a part of each course offering.
- Pre-requisites and/or co-requisites will be listed.
- Number of seats left in the class
- The department may provide additional notes about the class.
- There is also a course description provided.

STEP 10: Click **View Search Results** to return to the previous page.

STEP 11: Repeat steps 3-10 for each course you are considering. Once you've decided on a course to select, proceed to STEP 12 and begin placing courses in your Shopping Cart.

Placing Courses in Your Shopping Cart

As you identify courses that you would like to take this spring semester, you can add your selections to your Shopping Cart in SIS. The following steps will guide you through this process. Once you have finalized your schedule, follow the instructions to complete the process and register

Remember: SIS checks prerequisites. If you have transfer credit pending and feel that you have met the prerequisite for the course, you may email the instructor and request an electronic permit. You may then register for the course in SIS. Permits are issued at the discretion of the instructor.

Search for Classes

Search Results

Room assignments are subject to change.

Case Western Reserve Univ | Fall 2011

[My Class Schedule](#)

You are not registered for classes in this term.

[Shopping Cart](#)

Your shopping cart is empty.

The following classes match your search criteria Course Subject: **Psychology**, Course Number is exactly '101', Show Open Classes Only: **No**

START A NEW SEARCH

Open Closed Wait List

PSCL 101 - General Psychology I

[Course Evaluations](#)

| First 1-3 of 3 Last | | | | | |
|---------------------------------------|---|--|-------------------------|--------------------------|------------------------------|
| Section 100-LEC(1615) | | Status <input checked="" type="checkbox"/> | | Textbook | select class |
| Session Regular | | | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates | Topic | |
| TuTh 1:15PM - 2:30PM | Rockefeller 301 (200) | Jennifer Butler | 08/29/2011 - 12/09/2011 | | |
| Section 102-LEC(1616) | | Status <input checked="" type="checkbox"/> | | Textbook | select class |
| Session Regular | | | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates | Topic | |
| MoWeFr 10:30AM - 11:20AM | Wickenden Building 322 (90) | Jane Euder Shapiro | 08/29/2011 - 12/09/2011 | | |
| Section 103-LEC(2398) | | Status <input checked="" type="checkbox"/> | | Textbook | select class |
| Session Regular | | | | | |
| Days & Times | Room (Capacity) | Instructor | Meeting Dates | Topic | |
| TuTh 2:45PM - 4:00PM | Clapp Hall 108 (124) | Julie Exline | 08/29/2011 - 12/09/2011 | | |

STEP 12: From the Search Results screen, click the **Select Class** button to add this class to your Shopping Cart.

[Return to Shopping Cart](#)

START A NEW SEARCH

| | | | |
|------------------------|----------------------|------------------------|------------------------------|
| Search | Plan | Enroll | My Academics |
| search for classes | | browse course catalog | |

Search for Classes

Add to Shopping Cart - Enrollment Preferences

Fall 2011 | Undergraduate | Case Western Reserve Univ

PSCL 101 - General Psychology I

[Textbook](#)

Class Preferences

PSCL 101-102 Lecture Open

Grading Regular Grades

Units 3.00

Session Regular Academic Session

Career Undergraduate

[CANCEL](#) [NEXT](#)

| Section | Component | Days & Times | Room | Instructor | Start/End Date |
|---------|-----------|--------------------------|------------------------|--------------------|-------------------------|
| 102 | Lecture | MoWeFr 10:30AM - 11:20AM | Wickenden Building 322 | Jane Buder Shapiro | 08/29/2011 - 12/09/2011 |

STEP 13: Click **Next** to add the selection to your Shopping Cart.

NOTE: If you select a class that has multiple components, (e.g., a lecture course that requires a lab or a recitation), SIS will prompt you to add the additional components to your Shopping Cart at this point.

| | | | |
|------------------------|----------------------|------------------------|------------------------------|
| Search | Plan | Enroll | My Academics |
| search for classes | | browse course catalog | |

Search for Classes

Search Results

Room assignments are subject to change.

Case Western Reserve Univ | Fall 2011

[My Class Schedule](#)

You are not registered for classes in this term.

| | |
|-------------------------------|--|
| Shopping Cart | show all |
| PSCL 101 | MoWeFr 10:30AM - 11:20AM Wickenden Building 322 |

STEP 14: Click here to view the contents of your Shopping Cart.

The following classes match your search criteria Course Subject: **Psychology**, Course Number is exactly '101', Show Open Classes Only: **No**

PSCL 101 has been added to your Shopping Cart.

[START A NEW SEARCH](#)

STEP 15: Review the classes in your **Shopping Cart**.

Shopping Cart

Add Classes to Shopping Cart

Use the Shopping Cart to temporarily save classes until it is time to enroll for this term. Click Validate to have the system check for possible conflicts prior to enrolling.

Fall 2011 | Undergraduate | Case Western Reserve Univ

● Open
■ Closed
▲ Wait List

Add to Cart:

Enter Class Nbr
 enter

Find Classes

Class Search

My Planner

search

| Fall 2011 Shopping Cart | | | | | | |
|--------------------------|-------------------------------------|-----------------------------|--------------------------------|---------------------|-------|--------------------------------------|
| Select | Class | Days/Times | Room | Instructor | Units | Status |
| <input type="checkbox"/> | CHEM 105-100 (1155) | MoWeFr 2:00PM - 2:50PM | Millis Schmitt Lecture Hall | J. Burgess | 3.00 | ● |
| <input type="checkbox"/> | HSTY 112-110 (1962) | Fr 2:00PM - 2:50PM | Kent Hale Smith 119 | T. Steinberg | 3.00 | ● |
| <input type="checkbox"/> | HSTY 112-100 (1327) | MoWe 2:00PM - 2:50PM | Clapp Hall 108 | T. Steinberg | | ● |
| <input type="checkbox"/> | MATH 125-101 (1370) | MoWeFr 8:30AM - 9:20AM | Singham 103 | T. Contenza | 4.00 | ● |
| <input type="checkbox"/> | MATH 125-121 (1836) | Tu 11:35AM - 12:25PM | Smith 329 | T. Contenza | | ● |
| <input type="checkbox"/> | PSCL 101-102 (1616) | MoWeFr 10:30AM - 11:20AM | Wickenden Building 322 | J. Buder Shapiro | 3.00 | ● |

for selected:
delete
validate
enroll

STEP 16: To search for more classes to add to your Shopping Cart, click the **Search** button. This will return you to STEP 3.

Optional Actions

If you added a class that you no longer want, select it and click **Delete** to remove it from your Shopping Cart.

You can **Validate** your courses to check for possible time conflicts or pre-requisites.

12

3/2 [formerly Binary] Engineering Students

Students who have attended one of 40 select liberal arts colleges with whom Case Western Reserve University has a 3+2 agreement and have been admitted to the 3/2 Program should follow the procedures for registration with the following considerations:

- 3/2 students are not required to participate in SAGES.
- 3/2 students who have met the requirements of the program and the requirements at their liberal arts colleges will need to complete: **ENGR 145***, **ENGR 200**, **ENGR 210**, **AND ENGR 225**.
*EMSE 201 or EMAC 276 may be substituted
- One course in Natural Science, Mathematics or Statistics is required if transfer credit has not been awarded for an approved course.
- **ENGR 398 plus ENGL 398** must be completed at Case Western Reserve University
- Complete all Engineering courses required for the major
- A *minimum* of 50 semester hours must be completed to graduate from Case Western Reserve University.

NOTE: 3/2 Engineering students are also required to meet with the program coordinator early in the first semester of enrollment.

Please contact: Debbie Fatica
Assistant Dean, Office of Engineering Student Programs
Nord Hall, Room 304
deborah.fatica@case.edu
(216) 368-4449

International Dual Degree Students

Students who have attended one of the designated institutions with whom Case Western Reserve University has a formal agreement should adhere to the procedures for registration with the following considerations:

- SAGES (First Seminar and University Seminars) are not required
- Departmental Seminars are required if part of the major
- Complete all requirements for the major
- Complete a minimum of 60 hours to graduate from Case Western Reserve University

Participating Institutions:

Heibei University of Technology, (HUT), Tianjin, China
National Cheng Kung University (NCKU), Tainan, Taiwan
National Chiao Tung University (NCTU), Hsinchu, Taiwan
National Chung Hsing University (NCHU), Taichung, Taiwan
National Tsing Hua University (NTHU), Hsinchu, Taiwan

Please contact: Claudia Anderson
Dean of Undergraduate Studies
Sears Building, Room 357
claudia.anderson@case.edu
(216) 368-2928

Pre-Medical and Pre-Dental Students

Pre-medical, pre-dental, and other pre-health professional students are encouraged to explore and to pursue academic fields which they enjoy and in which they will perform well. To meet admission requirements of health professional schools, a student may major in *any* subject, but must include certain prerequisite courses in their curricula. Both Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) programs provide strong preparation for health professional schools.

It is important for pre-health science students to realize that, although there are general science requirements for all medical, dental, and other professional health science schools, there is also a great amount of variation in additional requirements (e.g., some dental schools require courses in Art Studio, whereas others do not; a few medical schools require anatomy, whereas the majority do not). Consequently, it is impossible to anticipate as a first-year student every requirement you will need to complete as an undergraduate student, and it is essential that you work with the Director of Health Career Advising to identify unique program requirements and when they should be fulfilled.

General Requirements for most health science professional schools include:

- 2 Semesters of English Composition
- 2 Semesters of College Mathematics
- 2 Semesters of Inorganic Chemistry with Lab
- 2 Semesters of Organic Chemistry with Lab
- 2 Semesters of Biology with Lab
- 2 Semesters of Physics with Lab

Additional courses commonly required by health science professional schools:

- 1 Semester of Biochemistry
- 1-2 Semesters of Behavioral Sciences (introductory courses in psychology or sociology)

The recommended sequence of courses for pre-health science students is listed below. This sequence covers the general requirements for most health science professional schools and prepares students for professional school admission examinations.

Arts and Sciences Majors (B.A.) and Weatherhead School of Management

| Year | Fall Semester | Either Semester | Spring Semester |
|--------------------|--|--------------------------|--|
| First Year | MATH 125 (or 121) CHEM 105 BIOL 214/214L* First Seminar | CHEM 113 | MATH 126 (or 122 or 124) CHEM 106 BIOL 215/215L* University Seminar |
| Second Year | CHEM 223 (or 323) CHEM 233 BIOL 216/216L* | University Seminar | CHEM 224 (or 324) CHEM 234 |
| Third Year | PHYS 115 (or 121 or 123) BIOC 307 or CHEM 328 | PHYS 116 (or 122 or 124) | |

Engineering and Some B.S. Majors

| Year | Fall Semester | Either Semester | Spring Semester |
|--------------------|---|--------------------|--|
| First Year | MATH 121 CHEM 111 PHYS 121† (or 123) First Seminar | CHEM 113* | MATH 122 (or 124) ENGR 145 PHYS 122 (or 124) University Seminar |
| Second Year | CHEM 223 CHEM 233 BIOL 214/214L* | University Seminar | CHEM 224 CHEM 234 BIOL 215/215L* |
| Third Year | BIOL 216/216L* BIOC 307 or CHEM 328 | | |

*Although most health professional schools require only two semesters of general biology, students should take the third semester of the BIOL 214,215,216 sequence as material from all three courses are covered on the MCAT and DAT. Students should take at least two labs from BIOL 214L, 215L, and 216L. Biomedical Engineering students do not need to take BIOL 216 as this material is covered in EBME 201 and 202.

The courses listed below might allow you to explore your interest and enhance your knowledge of health care issues and professions. These courses are not required, they are simply offered for your interest and consideration during your undergraduate career. For more health science-related course offerings available beyond the first year, visit the Pre-Health Professions page on the Office of Undergraduate Studies website at <http://www.case.edu/provost/ugstudies/prehlth.htm>.

ANTH 102 Intro to Social and Cultural Anthropology
ANTH 103 Introduction to Human Evolution
ANTH 215 Intro to Medical Anthropology
BETH 271 Bioethics: Dilemmas
BIOL 225 Evolution
BIOL 240 Personalized Medicine
BIOL 326* Genetics
COGS 101 Introduction to Cognitive Science
COGS 102 Introduction to Cognitive Neuroscience
COSI 101 Introduction to Health Communication
COSI 109 Introduction to Communication Disorders
COSI 200 Interpersonal Communication
COSI 260 Multicultural Aspects of Human Communication
EBME 105 Introduction to Biomedical Engineering
ECON 378* Health Care Economics
ENGL 217B* Writing for the Health Professions

* This course has a prerequisite.

To-Do List for Students Interested in Health Professions

- Take courses recommended for students pursuing a health profession (see previous page).
- Explore and take courses that are genuinely interesting regardless of whether or not they Spring into fields associated with the health professions.
- ***Attend Pre-Health Information Sessions during the semester.***
- Review the Pre-Health Professions page on the Office of Undergraduate Studies website at <http://www.case.edu/provost/ugstudies/preh1th.htm> . Check here to learn more about trends in medical school acceptance rates, the myriad professional opportunities within the health field, and strategies to meet your educational and professional goals.
- Consider joining student organizations with a variety of foci (not only medically or science-based) to explore academic interests, develop leadership skills, and to HAVE FUN!
- Gain a wide range of knowledge of health professions (physical therapy, optometry, osteopathic medicine, podiatry, medicine, dentistry, pharmacology, etc.) and health issues by visiting professional organization and industry websites, and consider shadowing health professionals in different areas.
- Volunteer in a medical environment such as Rainbow Babies and Children's Hospital, the Cleveland Clinic, University Hospital Case Western Reserve University Medical Centers, the Cleveland Free Clinic, MetroHealth Medical Center, etc.
- Explore opportunities for study abroad. Watch for information about Study Abroad information sessions in the Fall and Spring semesters.
- Explore opportunities to engage in research by talking to your professors, advisors, and through connection to the SOURCE (Support of Undergraduate Research and Creative Endeavors) Office.

Recommendations for Students with an Interest in Pre-Law

Curriculum and Majors

Like medical school and many other professional schools, law schools do not “require” or “prefer” one major over another. Law schools are looking to build a diverse class with students coming from varied backgrounds, interests, and experiences. However, unlike medical and dental schools, law schools do not expect applicants to follow a set curriculum. There are not specific classes that law school applicants need to complete prior to matriculation. As you will see below, law schools seek intelligent and motivated students with strong communication and analytical skills who have taken classes focusing on a variety of subjects. Although many undergraduates pursue majors commonly associated with law school such as Political Science, History, and Economics, an equal number pursue different majors in fields as diverse as English, Engineering, Biology, Art History, Psychology, Sociology, and Accounting. Some pre-law students choose to major not in political science, but rather in a discipline more closely aligned with the type of law they are interested in pursuing. For example:

- Biology, Chemistry, Environmental Studies, Geology, Environmental Geology for students interested in environmental law.
- Engineering or science majors for students interested in intellectual property law.
- Accounting, Management, Statistics, Mathematics or Economics for students interested in corporate law, tax law, and/or white collar crime.
- Psychology or Sociology for students interested in family law, juvenile law, children’s rights, and defense or prosecution of crimes.

Bottom line – pursue your passion, study hard, hone your communication, research, and analytical skills and you will be a strong law school applicant.

How do I prepare for law school?

According to the Law School Admissions Council, “Law schools want students who can think critically and write well, and who have some understanding of the forces that have shaped the human experience. These attributes can be acquired in any number of college courses, whether in the arts and humanities, the social sciences, or the natural sciences. An undergraduate career that is narrowly based or vocationally oriented may not be the best preparation for law school. As long as you receive an education including critical analysis, logical reasoning, and written and oral expression, the range of acceptable college majors is very broad. What counts is the intensity and depth of your undergraduate program and your capacity to perform well at an academically rigorous level.”

The American Bar Association (www.abanet.org/legaled/prelaw/prep.html) recommends that law school applicants familiarize themselves with several areas of knowledge. Each of these areas is an important component of the general education requirements available to all students pursuing any undergraduate degree at Case Western Reserve University.

- A broad understanding of history, including the various factors (social, political, economic, and cultural) that have influenced the development of our society in the United States.
- A fundamental understanding of political thought and of the contemporary American political system.
- Some basic mathematical and financial skills, such as an understanding of basic pre-calculus mathematics and an ability to analyze financial data.
- A basic understanding of human behavior and social interaction.
- An understanding of diverse cultures within and beyond the United States, of international institutions and issues, of world events, and of the increasing interdependence of the nations and communities within our world.

Law schools look for prospective students that have the following attributes and skills:

- Intelligence
- Demonstrated academic ability, motivation, and persistence
- Strong analytical skills, written communication skills, organizational skills, and oral communication skills
- Independent and original/creative thinking ability
- Research experience
- Sound judgment
- Strong problem-solving skills
- Significant personal initiative
- Demonstrated leadership abilities
- Self-confidence
- Demonstrated concern for others
- Energetic
- Emotional maturity

To-Do List for Students with an Interest in Pre-Law

- Explore and take courses that are genuinely interesting regardless of whether or not they Spring into fields associated with the legal profession.
- Attend presentations, lectures, and mock trial sessions at the Case Western Reserve University School of Law.
- Review the Pre-Law page on the Office of Undergraduate Studies website at <http://www.case.edu/provost/ugstudies/prelaw.htm>. Check here to learn more about trends in law school acceptance rates, pre-law resources in print and on the web, and strategies to meet your educational and professional goals.
- Consider joining student organizations with a variety of foci (not only legally focused) to explore academic interests, develop leadership skills, and to HAVE FUN! Also, consider joining the Phi Alpha Delta, the undergraduate chapter of the international legal fraternity at <http://filer.case.edu/org/pad/index.html>
- Volunteer in a legal environment such as an attorney's office, the Cuyahoga County or City of Cleveland Prosecutor's Office, in a legal department of a business such as National City Bank or the Cleveland Clinic, the Legal Aid Society of Cleveland, etc.
- Explore opportunities for study abroad. Watch for information about Study Abroad information sessions in the Spring and spring semesters.
- Explore opportunities to engage in research by talking to your professors, advisors, and through connection to the SOURCE (Support of Undergraduate Research and Creative Endeavors) Office.
- Once you have settled in later in your first or second semesters, contact the Office of Undergraduate Studies in Sears 357 to make an appointment with the Pre-Law Advisor.

Recommendations for Students with an Interest in Study Abroad

Study Abroad provides a unique opportunity for students to experience intimately another country and its culture. There simply is no substitute for living and studying in another country if you want to understand another culture's customs, people, and language. Studying abroad also provides an opportunity to develop important transnational competencies that can be of great interest to professional and graduate schools, and future employers. Finally, it allows you to learn about yourself and your home culture through exposure to new ways of thinking and living that encourage the development of growth and independence.

Regardless of academic interests, study abroad is open to all students at Case Western Reserve University. Students in engineering, management, sciences, humanities, arts, and social sciences are eligible to participate in various programs. Nursing offers its own study abroad experiences. Each year, a number of students spend a semester or year at universities throughout the world. Some of the countries in which students have studied include:

| | | | |
|--------------------|---------|-----------------|----------------|
| Argentina | Egypt | Israel | Russia |
| Australia | France | Italy | Singapore |
| Austria | Germany | Japan | South Africa |
| Brazil | Ghana | Kenya | Spain |
| Chile | Hungary | Nepal | Sweden |
| Denmark | India | The Netherlands | United Kingdom |
| Dominican Republic | Ireland | New Zealand | |

Options for Study Abroad

Study Abroad can be done either as a direct application to the school abroad; through a provider like the Institute for Study Abroad-Butler University, Center for Education Abroad-Arcadia University, or the Council on International Education Exchange; or through an established exchange program. At present, Case Western Reserve University has exchange agreements with the following institutions: University of Lancaster (England); Carlos III University (Spain); University of Manchester (England); University of Sydney (Australia); Bilkent University (Turkey); ESC de Montpellier (France); and University of Frankfurt (Germany). Engineering majors may participate in an exclusive exchange through the Global Engineering Education Exchange (Global E3) program or Chulalongkorn University in Thailand.

Non-traditional study abroad opportunities are also available through summer term programs. In addition, international study trips are offered through Bioethics (BETH 315) during Spring Break and the Summer, through the Mandel School of Applied Social Sciences (SASS 350) during Winter and Spring Breaks and the May Term, through our Modern Languages and Literatures department (e.g. FRCH 308), and through the Weatherhead School of Management (MGMT 315). These opportunities consist of a class traveling abroad for one to three weeks exploring how the course topic is experienced in another country or culture.

Foreign Language Requirements

In order to study for a semester or a year at a non-English speaking university for which the host language is taught at Case Western Reserve University, you must complete *at least* two years of language study (i.e. through 202-level). There are several programs in France, Spain and Latin America that require completion of a 300-level French or Spanish course. If you are interested in studying at a non-English speaking institution, you may need to begin taking language courses in your first semester at Case Western Reserve University.

If you prefer to study at an English-speaking institution, you may attend a university in the United Kingdom, Australia, New Zealand, Tasmania, Singapore, or in an English-speaking country in Africa. There are also special programs taught in English in Denmark, the Netherlands, Austria, and Germany for students in International Studies, Political Science, Management, or Nursing. The Global E3 Program for engineering students offers English-speaking options in countries such as France, Germany, Japan, Spain. The international study trips offered through Bioethics and MSASS do not have a language requirement, although proficiency in the native language would be beneficial.

Examples of Recent Study Abroad Experiences by Academic Area

| | |
|---|---|
| Accounting—Japan (Sophia University) | Economics—Chile (Pontificia Universidad Catolica de Valparaiso) |
| Anthropology—South Africa (U. of Cape Town) | Geology—Sweden (Lund University) |
| Art History—Italy (Studio Art Centre International) | History—England (Oxford University) |
| Biology/PreMed—Denmark (Danish Inst. of Study Abroad) | Management—Spain (Carlos III University) |
| Biomed. Engineering—Australia (U. of South Wales) | Management—Taiwan (National Chengchi University) |
| Chemical Engineering—Scotland (U. of Edinburgh) | Math/Physics—Japan (Tohoku University) |
| Civil Engineering—Germany (University of Stuttgart) | Music—Netherlands (Amsterdam School of Music) |
| | Psychology—England (University of Lancaster) |

To-Do List for Students with an Interest in Study Abroad

- If you are interested in studying abroad at a non-English speaking university for which the host language is Offered at Case Western Reserve University, enroll in the required language sequence (must complete at least through 202-level).
- Explore the study abroad options available through Case Western Reserve University by visiting the Office of International Affairs located in Tomlinson Hall, Room 143.
- Once you decide upon your major(s) and minor(s), speak with the department representative, or your faculty advisor, to determine how best to fit study abroad into your academic program. Also consider mapping out a four-year plan to determine how study abroad options fit your four or five-year academic program.
- Attend the Study Abroad Information Fairs that will be held during the **spring and fall semesters** to learn more about the opportunities that exist for Case students to study overseas. Be sure to check the *First-Year Student Newsletter*, *The Daily*, and your email for dates and times.
- Select one or two countries/regions where you would like to study that have programs that match your interests and fit well into your academic program.
- Once you have identified one or two countries and/or institutions of interest, you may wish to meet with a study abroad advisor in the Office of International Affairs to discuss the specific requirements of the programs. Information about how to schedule an appointment is available on the Office of International Affairs website <http://www.case.edu/international/resources/studyabroad.html>.
- Familiarize yourself with the study abroad application deadlines for your programs of interest. The earliest application deadline for study abroad is **February of your second semester**, if you want to study abroad in the fall of your second year. NOTE: Most students study abroad during their junior (or third) year.

Recommendations for Students Interested in Research Opportunities

Why Consider Research?

As a new student at Case Western Reserve University, you have joined a research-intensive community with a historic tradition of involving undergraduates in research and creative endeavors. Regardless of your major or academic interests, there are numerous opportunities to engage in research either on campus with Case Western Reserve University faculty or elsewhere during the summer. Although a few students may have already participated in research through summer programs at a local university or in private industry, many of you may not have even considered engaging in such opportunities during your undergraduate career. Regardless of your past experience there are a number of reasons why you should consider becoming involved in research endeavors during your undergraduate experience and it is never too early to begin exploring opportunities!

Participation in undergraduate research and creative endeavors offers you the opportunity to connect with the academic community at levels the classroom experience does not provide. Engaging in research will allow you to create mentoring relationships with individual faculty members and can be the gateway into developing a professional network that will open up opportunities for you whether you continue in graduate and professional studies or enter the workforce. Research projects also allow you to integrate academic theories learned in the classroom with practical experiences at a deeper and more meaningful level. In addition, these endeavors can enhance valuable workplace skills such as verbal and written communication, teamwork, and adaptability. Finally, participating in research at the undergraduate level is an excellent way to distinguish yourself when it comes time to apply for graduate and professional schools.

One important consideration is the time commitment you are able to make during the school year or over the summer breaks. Depending on the type of research in which you become involved, it could range a few hours a week to the equivalent of a full-time position. Be sure to think about your other commitments, both academic and social, when exploring what options might be best for you.

Beginning the Search for Opportunities

To begin your exploration of the numerous on and off-campus opportunities for undergraduate research that are available, the SOURCE (Support of Undergraduate Research & Creative Endeavors) Office is the place to start. Be sure to visit SOURCE's web page this summer at <http://www.case.edu/provost/source/opp/> in order to learn more about the variety of opportunities that might be available in your academic area of interest. In the Spring, plan to attend one of the various information sessions that will be conducted by SOURCE to provide you with additional information on the process of becoming involved. Be sure to check for times and locations of information sessions throughout the Spring. Once you have reviewed the information from the web site and attended an information session, you will want to make an appointment with Dr. Sheila Pedigo, Director of SOURCE, to discuss what opportunities will best fit your goals and schedule.

Recent Undergraduate Student Research Projects

Ester Erb (Cognitive Science)—Running To the Beat of Your Own iPod.

Paul Hay (Classics)—English Verse Translation of Catullus 64.

John Heintz (Anthropology)—Differentiating New Versus Recrudescing Infection in *Plasmodium falciparum* Infections Following Antimalarial Drug Treatment in Papua New Guinea. (Center for Global Health and Diseases)

Nicholas Kokkinos & Alexander Papadopoulos (Material Science)—Pilot Retrofit of Nord Atrium with High-Powered LED Lamps.

Joseph Semetona (Philosophy)—A Critique of Kantian Faith.

Charles Sing (Mechanical Engineering)—Time temperature indicators for long term high temperature applications.

Traits of Successful Undergraduate Research Students

Self-Awareness

Curiosity and Open Mindedness

Creativity

Self-Motivation

Ability to Work Independently

Ability to Work as a Team Member

Patience

Persistence

Passion

Dependability

Reliability

Humility

To-Do List for Students with an Interest in Undergraduate Research

- Review the SOURCE website at <http://www.case.edu/provost/source/opp/> to learn about the various on and off-campus research opportunities available for undergraduate students.
- Analyze your schedule and think about the commitments you want to make both academically and socially at Case Western Reserve University to determine how research might fit within your other responsibilities. Work on defining a schedule that will help you achieve success and then determine which type of research opportunities will fit.
- Attend a SOURCE information session to learn more about undergraduate research opportunities. Be sure to check the *Case Western Reserve University Daily* for times and locations.
- Attend lecture and presentation series sponsored by departments and schools at Case Western Reserve University. These series will provide a picture of what research is currently being conducted at Case Western Reserve University and the national level by faculty and students. The SOURCE office can help learn about these opportunities.
- Check the SOURCE website for summer research opportunities at Case Western Reserve University and elsewhere. Application deadlines for summer positions begin in December and go through March.
- Begin now to seek positions that you might want to pursue for the summer.
- Make an appointment with Dr. Sheila Pedigo, Director of SOURCE (Sears 451, phone: 216-368-8508) to discuss your research interests and opportunities you have identified.

Placement Exams

Math Placement Exam

This test is optional, however, transfer students who plan to take a Math course and are uncertain of the appropriate level may take the Math Placement Exam online.

The Modern Language Placement in FRENCH, GERMAN, or SPANISH (CAPE Test)

This test is also optional. If, however, you are not sure which course level is appropriate for you, the Web CAPE Test can help to determine your placement. It can be accessed through the following website:
<http://studentaffairs.case.edu/My/Orientation/>

The test usually requires 15-30 minutes and must be taken prior to your advising appointment in August. Students registering for Chinese, Greek, Hebrew, Italian, Japanese, Latin, or Russian should base their placement on transfer credit or make their best guess at placement. Attend the class you have selected and talk with the professor about placement concerns.

Language study is encouraged and required for those students who intend to study abroad in a non-English speaking country, if the language is taught at Case Western Reserve University.

Writing Sample

All students will complete a writing sample prior to Orientation. It's purpose is to acquaint your First Seminar/ Transfer Supplement Seminar professor with your composition skills. The writing sample is not graded, will not earn credit, or appear on your official Case Western Reserve University transcript. It is available on-line at <http://studentaffairs.case.edu/My/Orientation/> and must be completed by December 23, 2011.

Proficiency Exams

These exams allow students, who have the appropriate background, to test out of and receive credit for Case Western Reserve University courses. Exams are optional.

| | |
|--|--|
| Chemistry – CHEM 105, 106, OR 111 | Monday, January 16, 2012 1:00 pm – 4:00 pm Clapp, Room 201 |
| Computer Science - ENGR 131 | Saturday, January 14, 2012 12:30 pm – 3:30 pm Olin, Room 313 |
| Mathematics – MATH 121, 122, 201, 223, 224 | Monday, January 16, 2012 9:00 am – 12:00 pm Room TBA |
| Physics – PHYS 115, 116, 121, 122, 221 | Saturday, January 14, 2012 9:00am – 12:00 pm Rockefeller, Room 301 |

CHEMISTRY EXAM: Students who wish to take a proficiency examination in chemistry must register by email (michael.kenney@case.edu), at least 72-hours in advance with Professor Mike Kenney.

ENGR 131 or ENGR 132 EXAM: Students wishing to take the exam must register for it at least 2 weeks in advance (by January 1, 2012) by emailing the exam coordinators: ENG131: Professor Chris Fietkiewicz (cx47@case.edu); EECS 132: Professor Harold Connamacher (hsc21@case.edu). Details on exam registration and content appear at <http://eecs.case.edu/introcomputing>

MATH EXAM: Students who wish to take a proficiency examination in mathematics must register by email (chris@case.edu) at least 72 hours in advance with Professor Chris Butler.

PHYSICS EXAM: Students who wish to take a proficiency examination in Physics must register at least 24 hours in advance with Professor Gary Chottiner before the day of the exam. Email: gary.chottiner@case.edu. Please refer to <http://www.phys.case.edu/undergrad/Proficiency%20Exams/> for information. Students passing the PHYS 116 or 122 proficiency exam will need to make arrangements to complete the lab portion of the physics course. Detailed options are described on the Physics website: <http://www.phys.cwru.edu/undergrad/Proficiency%20Exams/>

Essentials

- ID Cards:** You can obtain your Case Western Reserve University ID at Transfer/Dual Degree Student Orientation on Friday, January 13, 2012.
- Parking:** Parking permits will be available at Transfer/Dual Degree Student Orientation in the Office of Parking and Transportation, Crawford Hall, Room 18 (lower level). Applications and permits must be made in person. Permits are sold on a space-available basis.
- U-Pass:** Undergraduates attending Case Western Reserve University ride free of charge on all the Greater Cleveland RTA buses and rapid trains. See <http://greenie.case.edu/upass.htm> for more information.
- Housing:** Contact the Office of Housing & Residence Life (216) 368-3780 if you have any questions. Please review the Housing website at <http://studentaffairs.case.edu/living/> and email them at housing@case.edu. **Your move in date will be specified in a room confirmation e-mail.**
- E-Mail:** All students will be given an e-mail address. It is **very important** that you check your e-mail on a weekly basis. Much of the communication from campus administrators and faculty is via e-mail. If you have not activated your e-mail account, you will receive a bill for tuition in the mail and not electronically.
- The Case Plan Medical** Every student at CWRU is enrolled in the Case Western Reserve University Medical Plan. If you have a comparable health coverage plan you are eligible to waive the Medical Plan fee. This can be done through SIS by clicking on the link titled "Waive Health Fee," visible on the Student Self-Service page. The deadline to waive the Medical Plan fee for:

Spring 2012 is January 27, 2012

- Academic Advising** Reports are available on-line through **SIS** (click on **Campus Community**, then **Student Services Advising Center**, and select **Academic Requirements** on the drop down menu near the top of the page). It will keep you on track with degree requirements and it will be major specific once you have officially declared your major. **Declaration of Major and Declaration of Minor** forms are available in the **Office of Undergraduate Studies, Sears Building, Room 357**. The deadline for declaration is **March 1, 2012**. Students who have officially declared majors will meet with an assigned faculty advisor to register for fall semester. Undecided majors will meet with Dean Anderson in Undergraduate Studies.
- Graduation:** Please check your expected graduation date on **SIS** (same page as your Academic Advising Report). Registration dates for fall 2012 are assigned on a priority basis and are based on credit hours completed and expected graduation date. If your graduation date is incorrect, you may be registering for all Fall semester classes later than necessary. **You must inform the Office of Undergraduate Studies if your graduation date is incorrect.**
- Formula for Academic Success:** Most professors make an assumption about how much time you should spend studying outside of class. This assumption is used to determine how much work they assign and what type of expectation they have of their students. This assumption is referred to as the Formula for Academic Success. **For every hour in class, plan on studying two to three hours outside of class.** So, If you are enrolled in 15 credit hours, your professors expect that you are spending 30-45 hours per week outside of class studying. When you add back in the original 15 hours that you are spending in class, you should be dedicating 45-60 hours per week to your studies. This is a full time job!! Keep this in mind as you schedule your time, develop your course schedule, and plan your extracurricular activities.
- IMPORTANT DATES AT A GLANCE**
- | | |
|-------------------------|---|
| January 17, 2012 | Classes Begin |
| January 18, 2012 | Late Registration & Drop/ Add Ends |
| March 30, 2012 | Deadline for class withdrawal. Transfer students must withdraw from a class by that date. A grade of "W" will be assigned to each dropped course. |

When You're Ready to Declare...

Major Declaration Process

Many transfer and dual degree students are ready to declare majors within the first semester of enrollment at Case Western Reserve University. If you are ready to do so, the following steps outline the process of declaring a major:

1. Obtain the Major Declaration Form** (pictured below) in the Office of Undergraduate Studies, Sears 357 (also available in the Wade Commons), and take the form to the academic representative (pp. 27-29) in your intended major for his/her signature and assignment of a major advisor.
2. All students must indicate when they entered Case (e.g., January 2012) and their student status (e.g., first year, transfer, dual degree). Your intended graduation term and year must also be entered—it is okay if this date changes in the future.
3. Students interested in Pre-Medicine/Pre-Dentistry and/or Pre-Law should be sure to mark the respective boxes on the declaration form. 4. Once completed, bring the yellow copy of the form to the Office of Undergraduate Studies, Sears 357. *The declaration of major is not official unless it is submitted to the Office of Undergraduate Studies.*
4. Once completed, bring the yellow copy of the form to the Office of Undergraduate Studies, Sears 357. *The declaration of major is not official unless it is submitted to the Office of Undergraduate Studies.*

* Entering Nursing students do not have to declare their major.
 ** A separate form must be completed for each major declared.

MAJOR DECLARATION/CHANGE

Declaration/change is not official until the yellow copy is submitted to the Office of Undergraduate Studies, Sears 357.

Part I: To Be Completed by Student

Name: _____ Student ID: _____ Network ID: _____
(Please print: Last Name, First Name, Middle Initial)

Entered Case: _____ as a First year student Transfer/Binary student
(Month, Year) (Year)

Graduation Date: May August January _____

Major: _____ for B.A. Degree or B.S. Degree Pre-Med/Pre-Dent: Yes No Pre-Law: Yes No

Is this a change of major? No Yes, I am dropping the major in _____

Is this an additional major? No Yes, my other major(s) is _____

Was this previously a minor? No Yes, I am changing it from a minor to a major.

Student Signature: _____ Date: _____

Part II: Please take this form to the academic departmental representative to have your major advisor assigned.

Departmental Representative: _____ Date: _____
(Signature)

Major Advisor Assigned: _____
(Please print clearly.)

For Undergraduate Studies Use Only

Date: _____

Entered by: _____

Dual Degree: _____

Distribution: Departmental Representative—White; Undergraduate Studies—Yellow; Previous Advisor—Pink; Student—Gold

Enter intended graduation term and year at time of major declaration

Enter Pre-Professional Interest in addition to your major

List of Department Representatives available on following pages

† The process for declaring a Minor is the same as the major declaration process. A separate Minor Declaration Form must be completed for each minor declared. Students cannot declare a minor until they declare a major.

**ACADEMIC REPRESENTATIVES AND CONTACTS FOR FIRST YEAR STUDENTS/ADVISORS
2011-2012**

| Department/Program | Contact | Office | Phone | E-mail |
|---------------------------------|---|-----------------------------|------------------------|----------------|
| Accounting (Major) | Tiffany Welch | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Accounting (Minor) | Tiffany Welch | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Accounting (Minor) | James Hurley | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Aerospace Engineering | Iwan Alexander | 418 Glennan Building | 368-6045 | ida2 |
| Aerospace Engineering | Jaikrishnan Kadambi ♦ | 415 Glennan Building | 368-6456 | jxk11 |
| American Studies | Renée Sentilles | 206 Mather House | 368-5413 | rms30 |
| Anthropology | Lawrence Greksa | 236 Mather Memorial | 368-6777 | lpg2 |
| Applied Mathematics | Christopher Butler | 220 Yost Hall | 368 2881 | cxb10 |
| Applied Mathematics | Daniela Calvetti ♦ | 220 Yost Hall | 368-2884 | dxc57 |
| Art Education | Timothy Shuckerow | 2215 Adelbert Rd. | 368-2714 | txs10 |
| Art History | Noelle Giuffrida Armhold | 305 Mather House | 368-4618 | nmg34 |
| Art History | Catherine Scallen | 103 Mather House | 368-2383 | cbs2 |
| Art Studio | Timothy Shuckerow | 2215 Adelbert Rd. | 368-2714 | txs10 |
| Artificial Intelligence | Soumya Ray | 516 Olin Building | 368-4040 | sxr358 |
| Asian Studies | Jia-Chen Fu | Mather House 301 | 368-2623 | jxf230 |
| Astronomy | Earle Luck | 560 Sears Building | 368-6697 | rel2 |
| Banking and Finance | Tiffany Welch | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Banking and Finance | James Hurley | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Biochemistry | David Samols | W430 School of Medicine | 368-3520 | drs10 |
| Biology | Richard Drushel | 402 Clapp Hall | 368-4804 | rfd |
| Biomedical Engineering | Roger Marchant ♦ | 202 Wickenden Hall | 368-4969 | rxm4 |
| Biomedical Engineering | Dustin Tyler | 101 Wickenden Hall | 368-0319 | dxt23 |
| Business Management (Minor) | Tiffany Welch | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Business Management (Minor) | James Hurley | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Chemical Engineering | Uziel Landau | 116A A.W. Smith Building | 368-4132 | uxl |
| Chemistry (Majors) | Michael Kenney | 205 Millis Hall | 368-3736 | mjk56 |
| Chemistry (Minors) | John Stuehr | 207 Clapp Hall | 368-5099 | jes6 |
| Childhood Studies | Jill Korbin | 713 Crawford Hall | 368-2635 | jek7 |
| Childhood Studies | Elizabeth Short | Mather Memorial | 368-2815 | ejs3 |
| Chinese | Yuxiu Liang | 201 Guilford House | 368-2102 | yx134 |
| Civil Engineering | David Zeng | 205 Bingham Building | 368-2923 | xxz16 |
| Classics | Charles Burroughs | 404 Mather House | 368-6095 | ceb33 |
| Cognitive Science | Todd Oakley | 617F Crawford hall | 368-0798 | tvo2 |
| Communication Sciences | Lee Thompson | 126B Mather Memorial | 368-6477 | lat |
| Computer Engineering | Swarup Bhunia | 514A Glennan Building | 368-5550 | skb21 |
| Computer Engineering | Elizabethanne Murray ♦ | 323 Glennan Building | 368-2920 | emf4 |
| Computer Gaming | Marc Buchner | 707 Olin Building | 368-4096 | mxb11 |
| Computer Science (BA & BS) | Michael Lewicki | 508 Glennan Building | 368-3168 | msl88 |
| Computer Science (BA & BS) | Elizabethanne Murray ♦ | 323 Glennan Building | 368-2920 | emf4 |
| Dance | Karen Potter | Mather Dance Center | 368-1491 | klp13 |
| Dean's Approved Major And Minor | Jeffrey Wolcowitz | 357 Sears Building | 368-2928 | jxw215 |
| Economics | Gary Murphy (Contact Teresa Kabat to schedule with Gary Murphy.) | 277 Peter B. Lewis Building | 368-3969 (368-4110) | gvm1 (tmk4) |

| Department/Program | Contact | Office | Phone | E-mail |
|-------------------------------------|------------------------|---|----------|--------|
| Education | Denise Davis ♦ | 417 Hearing and Speech | 368-1505 | dkd20 |
| Education | Kathy Shafer | 419 Hearing and Speech | 368-0792 | kds20 |
| Electrical Engineering | Cenk Cavusoglu | 517C Glennan Building | 368-4479 | mcc14 |
| Electrical Engineering | Elizabethanne Murray ♦ | 323 Glennan Building | 368-2920 | emf4 |
| Electronics | Cenk Cavusoglu | 517C Glennan Building | 368-4479 | mcc14 |
| Engineering – Undesignated | Patrick Crago | 500B Nord Hall | 368-4436 | pec3 |
| Engineering Physics | Kenneth Singer | 225D Rockefeller Building | 368-4017 | kds4 |
| English | Mary Grimm | 106 Guilford House | 368-2355 | mcg3 |
| Entrepreneurial Studies | Tiffany Welch ♦ | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Entrepreneurial Studies | James Hurley ♦ | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Environmental Geology | Gerald Matisoff | 206 A.W. Smith Building | 368-3677 | gxm4 |
| Environmental Studies | Peter McCall | 211 A.W. Smith Building | 368-3676 | plm4 |
| Ethnic Studies | Gilbert Doho | 204 Guilford House | 368-4885 | gxd22 |
| Ethnic Studies | Alice Bach ♦ | 105 Mather House | 368-1637 | ahb5 |
| Ethnic Studies | Jacqueline Nanfita ♦ | 308 Guilford House | 368-5264 | jcn |
| Ethnic Studies | Cheryl Toman ♦ | 207 Guilford House | 368-2233 | cat12 |
| Evolutionary Biology | Patricia Princehouse | 206 Clark Hall | 368-2632 | pmp7 |
| Film | Robert Spadoni | 218 Guilford Hall | 368-6881 | rjs40 |
| French | Gilbert Doho | 204 Guilford House | 368-4885 | gxd22 |
| French | Cheryl Toman | 207 Guilford House | 368-2233 | cat12 |
| French and Francophone Studies | Marie Lathers | 214 Guilford House | 368-8983 | mhl5 |
| Geological Sciences | Gerald Matisoff | 206 A.W. Smith Building | 368-3677 | gxm4 |
| German | Margaretmary Daley | 303 Guilford House | 368-2303 | mxd43 |
| German Studies | Ken Ledford | 209 Guilford House | 368-4144 | kxl15 |
| German Studies | Susanne Vees-Gulani | 104 Guilford House | 368-8627 | shv2 |
| Gerontological Studies | Gary Deimling | 231A Mather Memorial | 368-5173 | gtd |
| Health Communication | Kyra Rothenberg | 406 Cleveland Hearing & Speech Building | 368-2556 | kpr4 |
| History | John Broich | 306 Mather House | 368-5599 | jxb314 |
| History | Renée Sentilles | 206 Mather House | 368-5413 | rms30 |
| History and Philosophy of Science | Alan Rocke | 207 Mather House | 368-2614 | ajr |
| International Studies | Vincent McHale | 222 Mather House | 368-2425 | vem |
| Italian | Denise Caterinacci | 213 Guilford House | 368-2374 | dmc7 |
| Japanese | Linda Ehrlich ♦ | 305 Guilford House | 368-2232 | lce2 |
| Japanese | Takao Hagiwara ♦ | 203 Guilford House | 368-6188 | txh13 |
| Japanese Studies | Linda Ehrlich ♦ | 305 Guilford House | 368-2232 | lce2 |
| Japanese Studies | Takao Hagiwara ♦ | 203 Guilford House | 368-6188 | txh13 |
| Judaic Studies | Judith Neulander | 108 Mather House | 368-4156 | jxn37 |
| Management (Major) | James Hurley | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Marketing | Tiffany Welch ♦ | 472 Peter B. Lewis Building | 368-2058 | tjw5 |
| Marketing | James Hurley ♦ | 110 Peter B. Lewis Building | 368-3856 | jxh12 |
| Materials Science and Engineering | Mark DeGuire ♦ | 506 White Building | 368-4221 | mrd2 |
| Mathematics | Christopher Butler | 220 Yost Hall | 368 2881 | cxh10 |
| Mathematics | Daniela Calvetti ♦ | 220 Yost Hall | 368-2884 | dxc57 |
| Mathematics and Physics | Michael Hurley ♦ | 307B Yost Hall | 368-2885 | mgh3 |
| Mathematics and Physics | Harsh Mathur ♦ | 209 Rockefeller Building | 368-4009 | hxm7 |
| Mechanical Design and Manufacturing | Malcolm Cooke ♦ | 416A Glennan Building | 368-0514 | mnc |

| Department/Program | Contact | Office | Phone | E-mail |
|---|--|------------------------------|----------|--------|
| Mechanical Engineering | Iwan Alexander | 418 Glennan Building | 368-6045 | ida2 |
| Mechanical Engineering | Jaikrishnan Kadambi ♦ | 415 Glennan Building | 368-6456 | jxk11 |
| Music (Major) | Mary Davis | 201 Haydn Hall | 368-2297 | med7 |
| Music (Major) | Juanita Karpf ♦ | 309 Haydn Hall | 368-1602 | jxk178 |
| Music (Minor) | Ross Duffin | 205 Haydn Hall | 368-2412 | rwd |
| Music Education | Kathleen Horvath | 305 Haydn Hall | 368-1613 | kah24 |
| Natural Sciences | Peter Whiting | 110 Crawford Hall | 368-1899 | pjw5 |
| Nursing | Marcella Hovancsek ♦ | 230G School of Nursing | 368-5985 | mth7 |
| Nursing | Gayle Petty | 1510 School of Nursing | 368-2016 | gmp13 |
| Nutrition | James Swain | WG 48 School of Medicine | 368-8554 | jhs31 |
| Nutritional Biochemistry and Metabolism | Hope Barkoukis | WG 48 School of Medicine | 368-2441 | hdb |
| Philosophy | Laura Hengehold | 203 Clark Hall | 368-2633 | leh7 |
| Physics | Gary Chottiner | 104D Rockefeller Building | 368-4024 | gsc2 |
| Political Science | Joe White | 113 Mather House | 368-2426 | jxw87 |
| Polymer Science and Engineering | John Blackwell | 314 Kent Hale Smith Building | 368-6370 | jxb6 |
| Polymer Science and Engineering | David Schiraldi | 538 Kent Hale Smith Building | 368-4243 | das44 |
| Pre-Architecture | Timothy Shuckerow | 2215 Adelbert Rd. | 368-2714 | txs10 |
| Psychology | Lee Thompson | 126B Mather Memorial | 368-6477 | lat |
| Public Policy | Joe White | 113 Mather House | 368-2426 | jxw87 |
| Religious Studies | Peter Haas ♦ | 243B Tomlinson Hall | 368-2741 | pjh7 |
| Russian | Tatiana Zilotina | 302 Guilford House | 368-2230 | tmz2 |
| Sociology | Gary Deimling | 231A Mather Memorial | 368-5173 | gtd |
| Spanish | Antonio Candau | 309 Guilford House | 368-8976 | axc102 |
| Spanish | Gabriela Copertari | 216 Guilford House | 368-4324 | mgc6 |
| Spanish | Jacqueline Nanfito | 308 Guilford House | 368-5264 | jcn |
| Spanish | Damaris Punaes-Alpizar | 209 Guilford House | 368-3950 | dxp204 |
| Sports Medicine | Erin Lake | 124 Veale Center | 368-2863 | ell10 |
| Statistics | Paula Fitzgibbon ♦ | 321 Yost Hall | 368-2306 | paf3 |
| Statistics | Patricia Williamson | 325 Yost Hall | 368-6013 | ppw2 |
| Systems and Control Engineering | Marc Buchner | 707 Olin Building | 368-4096 | mxh11 |
| Systems and Control Engineering | Elizabethanne Murray ♦ | 323 Glennan Building | 368-2920 | emf4 |
| Systems Biology | Robin Snyder | 510 Millis Hall | 368-8838 | res29 |
| Theater | Jeffrey Ullom | 405 Clark Hall | 368-6097 | jru10 |
| Theater | Catherine Albers | Eldred Theater | 368-5926 | cla2 |
| Women's and Gender Studies | Susan Hinze (NOTE: New Representative will be assigned early in Fall 2011.) | 223 Mather Memorial | 368-2702 | sxh3 |
| World Literature | Florin Berindeanu | Mather House 2 | 368-8728 | ftb1 |

♦ Denotes Contacts for First Year Students/Advisors only.

Reference Materials

**College of Arts and Sciences
(SAGES)**

**College of Arts and Sciences General Education Requirements
SAGES (Seminar Approach to General Education and Scholarship)
Effective Fall, 2011**

SAGES is an innovative undergraduate experience designed to establish foundations for academic inquiry. Students fulfill their College of Arts and Sciences General Education Requirements with a sequence of specially developed seminars and selected courses. Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

SAGES Program Seminars (13 semester hours)

The First Seminar* (4 semester hours, to be taken in the first semester of enrollment)

The First Seminar focuses on the development of critical thinking and communication skills through the use of a variety of approaches, media, and perspectives to explore the human mind and the nature of inquiry. This course is designed to strengthen writing and analytical skills while building a foundation in ethics, information literacy, and cultural diversity. **Select from:**

First Seminar: The Life of the Mind (FSCC 100) or

First Seminar: Natural World (FSNA 1xx) or

First Seminar: Social World (FSSO 1xx) or

First Seminar: Symbolic World (FSSY 1xx)

Term _____ Course _____ Grade _____

On the basis of test scores and a writing sample, some students will be placed in First Seminars designed to provide additional writing support. Most students for whom English is a second language will continue their First Seminar experience in a second semester. Students for whom English is a second language will continue by enrolling in and completing FSCC 150 – First Seminar: Continuing Semester (3 semester hours).

***Transfer Students only:** Transfer students who have completed the English composition/expository writing requirement with a grade of C or higher at the college/university at which they previously matriculated will receive transfer credit for FSCC T100 (3 – 6 semester hours) and will be required to complete a supplemental 1-semester hour SAGES introductory seminar – FSTS 100.

University Seminars (6 semester hours, minimum of two seminars, to be completed in the first two years of enrollment as specified below)

After completion of the First Seminar, students must complete two University Seminars, with each seminar selected from a different thematic group. Each University Seminar explores one of three themes, with the content determined according to the interests of the faculty. University Seminars provide continued experience in critical reading, writing, and oral communication as well as information literacy, ethics, and cultural diversity. *University Seminars must be completed by end of the fourth semester of enrollment.* **Select from:**

University Seminar: Thinking About the Natural World (USNA 2xx)

University Seminar: Thinking About the Social World (USSO 2xx)

University Seminar: Thinking About the Symbolic World (USSY 2xx)

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Department Seminar (3 semester hours)

The Department Seminar includes seminar-based discussion as well as instruction and experience in the kinds of writing characteristic of the Department Seminar's discipline. The Department Seminar may be taken in the department of the student's major or in another department. It is taken after the completion of the University Seminars, ordinarily in the fourth – sixth semester of study.

NOTE: Students pursuing a degree from the College of Arts and Sciences may not fulfill the department seminar requirement by taking a course that is being used to fulfill an Arts & Humanities, Social Science, or Natural and Mathematical Science breadth requirement. A course that has been designated as a Department Seminar and that also falls into the Global and Cultural Diversity category may be used to fulfill both requirements.

Term _____ Course _____ Grade _____

University Composition Requirement

Students develop a Writing Portfolio comprising final graded writing assignments from the First Seminar and University Seminars. *The Writing Portfolio is submitted for evaluation after completing the final University seminar.* Writing competence must be established in order to fulfill the University's English Composition requirement for graduation.

Writing Portfolio Term _____ Grade _____

Physical Education (Must total 2 full semesters at zero credits): Students choose from half-semester and full-semester course offerings to be completed in the first year.

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____
Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

College of Arts and Sciences General Education Requirements – SAGES (continued)

Breadth Requirements (18 semester hours – minimum of six 3 or 4-semester hour courses)

NOTE: Two courses used to fulfill requirements for the major also may be used to fulfill the breadth requirements.

Arts and Humanities (6 – 8 semester hours)

Two 3 or 4-semester hour Arts and Humanities courses

Select from:

Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREK), Hebrew (HBRW), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)

Term ____ Course _____ Grade ____ Term ____ Course _____ Grade ____

Natural and Mathematical Sciences (6 - 8 semester hours)

Two 3 or 4-semester hour Natural and Mathematical Science courses

Select from:

Astronomy (ASTR), Biochemistry (BIOC), Biology (BIOL), Chemistry (CHEM), Geology (GEOL), Mathematics (MATH), Nutrition (NTRN), Physics (PHYS), Statistics (STAT)

Term ____ Course _____ Grade ____ Term ____ Course _____ Grade ____

Social Sciences (6 semester hours)

Two 3-semester hour Social Science courses

Select from:

Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCL)

Term ____ Course _____ Grade ____ Term ____ Course _____ Grade ____

Quantitative Reasoning (3 – 4 semester hours)

Each student must complete at least one 3 or 4-semester hour course identified as a mathematical reasoning course. Such a course may also be used to fulfill a major or minor requirement, and/or one of the breadth requirements.

Select from:

ANTH 319, EECS 132, ENGR 131, MATH 121, 125, 150, PHIL 201, PSCL 282, STAT 201

Term ____ Course _____ Grade ____

Global and Cultural Diversity (3 – 4 semester hours)

Courses which introduce students to a culture outside of the United States and Europe or to issues related to ethnic differences within or outside of the United States. Each student must complete at least one 3 or 4-semester hour course identified as a global and cultural diversity course. Such a course may also be used to fulfill a major requirement and/or one of the breadth requirements. **Select from:**

ANTH 314, 322, 349, 352, 353, 356, 357, 388; ANTH/ARTH 240; ANTH/JDST/RLGN 233; ARTH 104, 203, 204, 290, 293, 302, 307, 308; ARTH/JDST 220; ASIA/HSTY 133, 134, 284; ASIA/WLIT 235; BETH 314; CLSC/HSTY 320; COSI 260; DANC/RLGN 237; ECON 375; ENGL/HSTY/PHIL/RLGN 270/SOCI/WGST 201; ENGL/WLIT 363H, 365E, 365N, 365Q, 366G; ETHS 235, 251A, 394; ETHS/FRCH/WLIT 295, 338; ETHS/FRCH/WLIT/WGST 335; ETHS/HSTY 252A, 260, 262, 280, 287, 336, 340, 393; ETHS 252B/HSTY 259; ETHS 253A/HSTY 135, ETHS 253B/HSTY 136; ETHS/HSTY/JDST 218; ETHS/PHIL 316; ETHS/POSC 369; ETHS/RLGN 222, 251, 259; ETHS/WGST 339/RLGN 338; ETHS/SPAN/WLIT 385; ETHS/WGST 301, 352; FRCH 375; FRCH/WLIT 308; HSTY 113, 235, 258, 261, 268, 282, 284, 285, 328, 333, 346, 375, 383, 385, 387; HSTY/JDST/RLGN 371; HSTY/WGST 363; JAPN/WLIT 225; JDST 201, 228; JDST/RLGN 280; MUED 305; MUHI 310, 311; ORBH/WGST 370; PHIL 356; PHIL/RLGN 221; POSC 362, 364, 366, 370C, 370D, 370K, 374, 377, 379, 380; RLGN 190, 204, 206, 208, 215, 216, 217, 218, 219, 223, 226, 235, 238, 254, 260, 273, 283, 284, 303, 306, 312; SASS 375; SOCI 302, 326; SPAN 315, 317, 325, 339, 342, 343, 345, 356; WGST 326; WLIT 355; any 200 or 300-level course in Arabic, Chinese, Hebrew, Japanese, or Russian.

Term ____ Course _____ Grade ____

SAGES Senior Capstone (3 – 6 semester hours)

The Senior Capstone assimilates the knowledge and skills gained throughout the educational process. Students engage in a unique one or two semester experience designed in consultation with a faculty member. Each Capstone Experience must include key elements:

a) Demonstration of critical thinking and writing skills; b) Regular oversight by the Capstone advisor; c) Periodic reporting of progress; d) Oral reports including a final public presentation at the Senior Capstone Fair, a conference, a performance, a public lecture, a teaching presentation, or other, as approved by the department of capstone origin.

Courses meeting this requirement include the designation "Approved SAGES Capstone" in their course descriptions. Some majors include and specify a senior capstone. Please review the specific requirements of your major(s) in your *Handbook for Undergraduate Students*.

SAGES Senior Capstone Term ____ Course _____ Grade ____

**Case Western Reserve University
School of Engineering
(SAGES)**

**Engineering Core Curriculum
SAGES (Seminar Approach to General Education and Scholarship)
Effective Fall, 2011**

SAGES is an innovative undergraduate experience designed to establish foundations for academic inquiry. Students fulfill their Case School of Engineering General Education Requirements with a sequence of specially developed seminars and selected courses. Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

SAGES Program Seminars (13 semester hours)

The First Seminar* (4 semester hours, to be taken in the first semester of enrollment)

The First Seminar focuses on the development of critical thinking and communication skills through the use of a variety of approaches, media, and perspectives to explore the human mind and the nature of inquiry. This course is designed to strengthen writing and analytical skills while building a foundation in ethics, information literacy, and cultural diversity. **Select from:**

First Seminar: The Life of the Mind (FSCC 100) or

First Seminar: Natural World (FSNA 1xx) or

First Seminar: Social World (FSSO 1xx) or

First Seminar: Symbolic World (FSSY 1xx)

Term _____ Course _____ Grade _____

On the basis of test scores and a writing sample, some students will be placed in First Seminars designed to provide additional writing support. Most students for whom English is a second language will continue their First Seminar experience in a second semester. Students for whom English is a second language will continue by enrolling in and completing FSCS 150 – First Seminar: Continuing Semester (3 semester hours).

**Transfer Students only: Transfer students who have completed the English composition/expository writing requirement with a grade of C or higher at the college/university at which they previously matriculated will receive transfer credit for FSCC T100 (3 – 6 semester hours) and will be required to complete a supplemental 1-semester hour SAGES introductory seminar – FSTS 100.*

University Seminars (6 semester hours, minimum of two seminars, to be completed in the first two years of enrollment as specified below)

After completion of the First Seminar, students must complete two University Seminars, with each seminar selected from a different thematic group. Each University Seminar explores one of three themes, with the content determined according to the interests of the faculty. University Seminars provide continued experience in critical reading, writing, and oral communication as well as information literacy, ethics, and cultural diversity. *University Seminars must be completed by end of the fourth semester of enrollment.* **Select from:**

University Seminar: Thinking About the Natural World (USNA 2xx)

University Seminar: Thinking About the Social World (USSO 2xx)

University Seminar: Thinking About the Symbolic World (USSY 2xx)

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Department Seminar (3 semester hours)

The Department Seminar includes seminar-based discussion as well as instruction and experience in the kinds of writing characteristic of the Department Seminar's discipline. The Department Seminar may be taken in the department of the student's major or in another department. It is taken after the completion of the University Seminars, ordinarily in the fourth – sixth semester of study. *NOTE: Most students pursuing an Engineering degree will take ENGR 398 and ENGL 398 concurrently to complete the Department Seminar requirement.*

Term _____ Course _____ Grade _____

University Composition Requirement

Students develop a Writing Portfolio comprising final graded writing assignments from the First Seminar and University Seminars. *The Writing Portfolio is submitted for evaluation after completing the final University seminar.* Writing competence must be established in order to fulfill the University's English Composition requirement for graduation.

Writing Portfolio Term _____ Grade _____

Physical Education (Must total 2 full semesters at zero credits): Students choose from half-semester and full-semester course offerings to be completed in the first year.

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____
Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Engineering Core Curriculum – SAGES (continued)

Mathematics, Sciences, and Engineering Requirements

Mathematics (14 semester hours)

| | | | |
|-----------------|------------|--------------|-------------|
| MATH 121 | Term _____ | Course _____ | Grade _____ |
| MATH 122 or 124 | Term _____ | Course _____ | Grade _____ |
| MATH 223 or 227 | Term _____ | Course _____ | Grade _____ |
| MATH 224 or 228 | Term _____ | Course _____ | Grade _____ |

Chemistry (4 semester hours)

| | | | |
|-----------|------------|--|-------------|
| CHEM 111* | Term _____ | | Grade _____ |
|-----------|------------|--|-------------|

Physics (8 semester hours)

| | | | |
|-----------------|------------|--------------|-------------|
| PHYS 121 or 123 | Term _____ | Course _____ | Grade _____ |
| PHYS 122 or 124 | Term _____ | Course _____ | Grade _____ |

Engineering (18 semester hours)

| | | | |
|-------------------------|------------|--|-------------|
| ENGR 131 (or EECS 132)* | Term _____ | | Grade _____ |
| ENGR 145† | Term _____ | | Grade _____ |
| ENGR 200 | Term _____ | | Grade _____ |
| ENGR 210 | Term _____ | | Grade _____ |
| ENGR 225 | Term _____ | | Grade _____ |

*NOTE: ONLY STUDENTS PURSUING COMPUTER SCIENCE OR COMPUTER ENGINEERING MAJORS SHOULD COMPLETE EECS 132. All other engineering students should complete ENGR 131.

†NOTE: The Chemistry-Materials course sequences CHEM 105-106-ENGR 145, CHEM 105-106-EMSE 201, or CHEM 105-106-EMAC 276 may substitute for the sequence CHEM 111-ENGR 145.

Natural Sciences, Mathematics, or Statistics Requirement (3 semester hours)

| | | | |
|---------------------------------------|------------|--------------|-------------|
| Course designated by major department | Term _____ | Course _____ | Grade _____ |
|---------------------------------------|------------|--------------|-------------|

Breadth Requirements – Humanities and Social Sciences (15 semester hours)

| | | | |
|----------|------------|--------------|-------------|
| ENGL 398 | Term _____ | Course _____ | Grade _____ |
|----------|------------|--------------|-------------|

(2 semester hours; also fulfills the Department Seminar Requirement)

and

| | | | |
|----------------------------|------------|--------------|-------------|
| ENGR 398 (1 semester hour) | Term _____ | Course _____ | Grade _____ |
|----------------------------|------------|--------------|-------------|

(1 semester hour; also fulfills the Department Seminar Requirement)

and

At least 12 semester hours comprised of four 3-semester hour courses or three four-semester hour courses selected from:

Humanities: Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREK), Hebrew (HBRW), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)

and/or

Social Sciences: Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCI)

| | | | | | |
|------------|--------------|-------------|------------|--------------|-------------|
| Term _____ | Course _____ | Grade _____ | Term _____ | Course _____ | Grade _____ |
| Term _____ | Course _____ | Grade _____ | Term _____ | Course _____ | Grade _____ |

SAGES Senior Capstone (3 – 6 semester hours)

The Senior Capstone assimilates the knowledge and skills gained throughout the educational process. Students engage in a unique one or two semester experience designed in consultation with a faculty member. Each Capstone Experience must include key elements:

- a) Demonstration of critical thinking and writing skills;
- b) Regular oversight by the Capstone advisor;
- c) Periodic reporting of progress;
- d) Regular writing (e.g. drafts, progress reports, critiques) throughout the project including a final written report which may be a thesis or equivalent document associated with the project or activity (e.g., such pursuits as performance, experiment, live case analysis, or creative writing), as approved by the department of capstone origin;
- e) Oral reports including a final public presentation at the Senior Capstone Fair, a conference, a performance, a public lecture, a teaching presentation, or other, as approved by the department of capstone origin.

Courses meeting this requirement include the designation “Approved SAGES Capstone” in their course descriptions. Some majors include and specify a senior capstone. Please review the specific requirements of your major(s) in your *Handbook for Undergraduate Students*. NOTE: Most Engineering students will complete an engineering senior project within their major that will satisfy the SAGES Senior Capstone requirement.

SAGES Senior Capstone Term _____ Course _____ Grade _____

**Frances Payne Bolton School of Nursing
(SAGES)**

**Frances Payne Bolton School of Nursing General Education Requirements
SAGES (Seminar Approach to General Education and Scholarship)
Effective Fall, 2011**

SAGES is an innovative undergraduate experience designed to establish foundations for academic inquiry. Students fulfill their Frances Payne Bolton School of Nursing General Education Requirements with a sequence of specially developed seminars and selected courses. Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

SAGES Program Seminars (13 semester hours)

The First Seminar* (4 semester hours, to be taken in the first semester of enrollment)

The First Seminar focuses on the development of critical thinking and communication skills through the use of a variety of approaches, media, and perspectives to explore the human mind and the nature of inquiry. This course is designed to strengthen writing and analytical skills while building a foundation in ethics, information literacy, and cultural diversity. **Select from:**

First Seminar: The Life of the Mind (FSCC 100) or

First Seminar: Natural World (FSNA 1xx) or

First Seminar: Social World (FSSO 1xx) or

First Seminar: Symbolic World (FSSY 1xx)

Term _____ Course _____ Grade _____

On the basis of test scores and a writing sample, some students will be placed in First Seminars designed to provide additional writing support. Most students for whom English is a second language will continue their First Seminar experience in a second semester. Students for whom English is a second language will continue by enrolling in and completing FSCS 150 – First Seminar: Continuing Semester (3 semester hours).

**Transfer Students only: Transfer students who have completed the English composition/expository writing requirement with a grade of C or higher at the college/university at which they previously matriculated will receive transfer credit for FSCC T100 (3 – 6 semester hours) and will be required to complete a supplemental 1-semester hour SAGES introductory seminar – FSTS 100.*

University Seminars (6 semester hours, minimum of two seminars, to be completed in the first two years of enrollment as specified below)

After completion of the First Seminar, students must complete two University Seminars, with each seminar selected from a different thematic group. Each University Seminar explores one of three themes, with the content determined according to the interests of the faculty. University Seminars provide continued experience in critical reading, writing, and oral communication as well as information literacy, ethics, and cultural diversity. *University Seminars must be completed by end of the fourth semester of enrollment.* **Select from:**

University Seminar: Thinking About the Natural World (USNA 2xx)

University Seminar: Thinking About the Social World (USSO 2xx)

University Seminar: Thinking About the Symbolic World (USSY 2xx)

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Department Seminar (3 semester hours)

The Department Seminar includes seminar-based discussion as well as instruction and experience in the kinds of writing characteristic of the Department Seminar's discipline. The Department Seminar may be taken in the department of the student's major or in another department. It is taken after the completion of the University Seminars, ordinarily in the fourth – sixth semester of study. *NOTE: Most students pursuing a nursing degree will take NURS 320 to complete the Department Seminar requirement.*

Term _____ Course _____ Grade _____

University Composition Requirement

Students develop a Writing Portfolio comprising final graded writing assignments from the First Seminar and University Seminars. *The Writing Portfolio is submitted for evaluation after completing the final University seminar.* Writing competence must be established in order to fulfill the University's English Composition requirement for graduation.

Writing Portfolio Term _____ Grade _____

Physical Education (Must total 2 full semesters at zero credits): Students choose from half-semester and full-semester course offerings to be completed in the first year.

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____
Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Frances Payne Bolton School of Nursing General Education Requirements – SAGES (continued)

Breadth Requirements (at least 30 semester hours – minimum of ten 3 or 4-semester hour courses)

NOTE: Two courses used to fulfill requirements for the major also may be used to fulfill the breadth requirements.

Arts and Humanities (6 – 8 semester hours)

Two 3 or 4-semester hour Arts and Humanities courses

Select from:

Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREK), Hebrew (HBRW), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)

Term ____ Course _____ Grade ____

Term ____ Course _____ Grade ____

Natural and Mathematical Sciences (18 semester hours)

(a) Mathematical Reasoning and Analysis (3 semester hours)

ANTH 319*** or PSCL 282*** or STAT 201***

Term ____ Course _____ Grade ____

***A student who successfully completes any one of these courses is not eligible to enroll in or receive credit for either of the other two.

(b) Natural Sciences (15 semester hours)

BIOL 114
BIOL 116
BIOL 117
BIOL 119
BIOL 121

Term ____ Grade ____
Term ____ Grade ____
Term ____ Grade ____
Term ____ Grade ____
Term ____ Grade ____

Social Sciences (6 semester hours)

Any 3-semester hour Social Science courses

Select from:

Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCL)

Term ____ Course _____ Grade ____

SOCI 203 or approved course in human growth and development

Term ____ Course _____ Grade ____

SAGES Senior Capstone (3 – 6 semester hours)

The Senior Capstone assimilates the knowledge and skills gained throughout the educational process. Students engage in a unique one or two semester experience designed in consultation with a faculty member. Each Capstone Experience must include key elements:

- a) Demonstration of critical thinking and writing skills;
- b) Regular oversight by the Capstone advisor;
- c) Periodic reporting of progress;
- d) regular writing (e.g. drafts, progress reports, critiques) throughout the project including a final written report which may be a thesis or equivalent document associated with the project or activity (e.g., such pursuits as performance, experiment, live case analysis, or creative writing), as approved by the department of capstone origin;
- e) Oral reports including a final public presentation at the Senior Capstone Fair, a conference, a performance, a public lecture, a teaching presentation, or other, as approved by the department of capstone origin.

Courses meeting this requirement include the designation "Approved SAGES Capstone" in their course descriptions. Some majors include and specify a senior capstone. Please review the specific requirements of your major(s) in your *Handbook for Undergraduate Students*. NOTE: Most Nursing students will complete NURS 373 to fulfill the SAGES Senior Capstone requirement.

SAGES Senior Capstone

Term ____ Course _____ Grade ____

**Weatherhead School of Management
(SAGES)**

**Weatherhead School of Management General Education Requirements
SAGES (Seminar Approach to General Education and Scholarship)
Effective Fall, 2011**

SAGES is an innovative undergraduate experience designed to establish foundations for academic inquiry. Students fulfill their Weatherhead School of Management General Education Requirements with a sequence of specially developed seminars and selected courses. Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations, and transfer may be used to satisfy general education requirements.

SAGES Program Seminars (13 semester hours)

The First Seminar* (4 semester hours, to be taken in the first semester of enrollment)

The First Seminar focuses on the development of critical thinking and communication skills through the use of a variety of approaches, media, and perspectives to explore the human mind and the nature of inquiry. This course is designed to strengthen writing and analytical skills while building a foundation in ethics, information literacy, and cultural diversity. **Select from:**

- First Seminar: The Life of the Mind (FSCC 100) or**
- First Seminar: Natural World (FSNA 1xx) or**
- First Seminar: Social World (FSSO 1xx) or**
- First Seminar: Symbolic World (FSSY 1xx)**

Term _____ Course _____ Grade _____

On the basis of test scores and a writing sample, some students will be placed in First Seminars designed to provide additional writing support. Most students for whom English is a second language will continue their First Seminar experience in a second semester. Students for whom English is a second language will continue by enrolling in and completing FSCS 150 – First Seminar: Continuing Semester (3 semester hours).

**Transfer Students only: Transfer students who have completed the English composition/expository writing requirement with a grade of C or higher at the college/university at which they previously matriculated will receive transfer credit for FSCC T100 (3 – 6 semester hours) and will be required to complete a supplemental 1-semester hour SAGES introductory seminar – FSTS 100.*

University Seminars (6 semester hours, minimum of two seminars, to be completed in the first two years of enrollment as specified below)

After completion of the First Seminar, students must complete two University Seminars, with each seminar selected from a different thematic group. Each University Seminar explores one of three themes, with the content determined according to the interests of the faculty. University Seminars provide continued experience in critical reading, writing, and oral communication as well as information literacy, ethics, and cultural diversity. *University Seminars must be completed by end of the fourth semester of enrollment.* **Select from:**

- University Seminar: Thinking About the Natural World (USNA 2xx)**
- University Seminar: Thinking About the Social World (USSO 2xx)**
- University Seminar: Thinking About the Symbolic World (USSY 2xx)**

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Department Seminar (3 semester hours)

The Department Seminar includes seminar-based discussion as well as instruction and experience in the kinds of writing characteristic of the Department Seminar's discipline. The Department Seminar may be taken in the department of the student's major or in another department. It is taken after the completion of the University Seminars, ordinarily in the fourth – sixth semester of study. *NOTE: Most students pursuing a degree from the Weatherhead School of Management will take three one-credit MGMT 395 seminars to complete the Department Seminar requirement.*

Term _____ Course _____ Grade _____

University Composition Requirement

Students develop a Writing Portfolio comprising final graded writing assignments from the First Seminar and University Seminars. *The Writing Portfolio is submitted for evaluation after completing the final University seminar.* Writing competence must be established in order to fulfill the University's English Composition requirement for graduation.

Writing Portfolio Term _____ Grade _____

Physical Education (Must total 2 full semesters at zero credits): Students choose from half-semester and full-semester course offerings to be completed in the first year.

Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____
Term _____ Course _____ Grade _____ Term _____ Course _____ Grade _____

Weatherhead School of Management General Education Requirements – SAGES (continued)

Breadth Requirements (at least 27 semester hours – minimum of nine 3 or 4-semester hour courses)

NOTE: Two courses used to fulfill requirements for the major also may be used to fulfill the breadth requirements.

Arts and Humanities (6 – 8 semester hours)

Two 3 or 4-semester hour Arts and Humanities courses

Select from:

Arabic (ARAB), Art History (ARTH), Art Studio (ARTS), Chinese (CHIN), Classics (CLSC), Dance (DANC), English (ENGL), French (FRCH), German (GRMN), Greek (GREK), Hebrew (HBRW), History (HSTY), Italian (ITAL), Japanese (JAPN), Latin (LATN), Music - General (MUGN), Music - History (MUHI), Music - Theory (MUTH), Philosophy (PHIL), Portuguese (PORT), Religious Studies (RLGN), Russian (RUSN), Spanish (SPAN), Theater (THTR), World Literature (WLIT)

Term _____ Course _____ Grade _____

Term _____ Course _____ Grade _____

Natural and Mathematical Sciences (17 semester hours)

MATH 125

MATH 126

STAT 207

Any two 3 or 4-semester hour Natural Science courses

Term _____

Grade _____

Term _____

Grade _____

Term _____

Grade _____

Term _____ Course _____ Grade _____

Term _____ Course _____ Grade _____

Select from:

Astronomy (ASTR), Biochemistry (BIOC), Biology (BIOL), Chemistry (CHEM), Geology (GEOL), Nutrition (NTRN), Physics (PHYS)

Social Sciences (6 semester hours)

Management majors

Any two 3-semester hour Social Science courses *except* ECON 102*, ECON 103*, or ECON 326**.

Select from:

Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCL)

Term _____ Course _____ Grade _____

Term _____ Course _____ Grade _____

Accounting majors

COSI 200 or COSI 280

and

Any 3-semester hour Social Science course *except* ECON 102* or ECON 103*.

Select from:

Anthropology (ANTH), Cognitive Science (COGS), Communication Sciences (COSI), Economics (ECON), Political Science (POSC), Psychology (PSCL), Sociology (SOCL)

Term _____ Course _____ Grade _____

Term _____ Course _____ Grade _____

*ECON 102 and 103 are included in Accounting and Management major requirements. ** ECON 326 is a Management major requirement.

SAGES Senior Capstone (3 – 6 semester hours)

The Senior Capstone assimilates the knowledge and skills gained throughout the educational process. Students engage in a unique one or two semester experience designed in consultation with a faculty member. Each Capstone Experience must include key elements:

- a) Demonstration of critical thinking and writing skills;
- b) Regular oversight by the Capstone advisor;
- c) Periodic reporting of progress;
- d) regular writing (e.g. drafts, progress reports, critiques) throughout the project including a final written report which may be a thesis or equivalent document associated with the project or activity (e.g., such pursuits as performance, experiment, live case analysis, or creative writing), as approved by the department of capstone origin;
- e) Oral reports including a final public presentation at the Senior Capstone Fair, a conference, a performance, a public lecture, a teaching presentation, or other, as approved by the department of capstone origin.

Courses meeting this requirement include the designation "Approved SAGES Capstone" in their course descriptions. Some majors include and specify a senior capstone. Please review the specific requirements of your major(s) in your *Handbook for Undergraduate Students*.

SAGES Senior Capstone Term _____ Course _____ Grade _____

2011 – 2012 Majors and Minors for Case Western Reserve University Undergraduate Degrees

Major – program of ten or more courses (required)

Major* - available only as 2nd major for a B.A.; may be sole major for a B.A. student who also completes a B.S.

Minor – program of 15 – 18 hours (optional)

Foundation Curriculum – for each degree/major a student must complete the foundation curriculum required for that degree/major:

A&S - SAGES = based on College of Arts and Sciences - SAGES; EC - SAGES = based on Case Western

Reserve University School of Engineering - SAGES CORE; FPB - SAGES = based on FPB School of

Nursing - SAGES; WSOM= based on Weatherhead School of Management - SAGES

| Department Code | Subject | Degree(s) | Available as: | Foundation Curriculum |
|-----------------|--------------------------|-----------|-----------------------------|-----------------------|
| ACC | Accounting | BS | Major or Minor | WSOM – SAGES |
| EAR | Aerospace Engineering | BSE | Major | EC – SAGES |
| AMS | American Studies | BA | Major* or Minor | A&S – SAGES |
| ANT | Anthropology | BA | Major or Minor | A&S – SAGES |
| APM | Applied Mathematics | BS | Major | A&S – SAGES |
| ARE | Art Education | BS | Major | A&S – SAGES |
| ARH | Art History | BA | Major or Minor | A&S – SAGES |
| ARS | Art Studio | --- | Minor | --- |
| AIN | Artificial Intelligence | --- | Minor | --- |
| ASI | Asian Studies | BA | Major, Major*, minor | A&S – SAGES |
| AST | Astronomy | BA or BS | Major or Minor | A&S – SAGES |
| BAF | Banking and Finance | --- | Minor | --- |
| BCH | Biochemistry | BA or BS | Major or Minor | A&S – SAGES |
| BIO | Biology | BA or BS | Major or Minor | A&S – SAGES |
| EBI | Biomedical Engineering | BSE | Major or Minor | EC – SAGES |
| BUS | Business Management | — | Minor | — |
| ECE | Chemical Engineering | BSE | Major or Minor | EC – SAGES |
| CHE | Chemistry | BA or BS | Major or Minor | A&S – SAGES |
| CHS | Childhood Studies | --- | Minor | --- |
| CHI | Chinese | --- | Minor | --- |
| ECI | Civil Engineering | BSE | Major or Minor | EC – SAGES |
| CLS | Classics | BA | Major or Minor | A&S – SAGES |
| COG | Cognitive Science | BA | Major or Minor | A&S – SAGES |
| COS | Communication Sciences | BA | Major or Minor | A&S – SAGES |
| ECM | Computer Engineering | BSE | Major or Minor | EC – SAGES |
| CGM | Computer Gaming* | --- | Minor | --- |
| CMP | Computer Science | BA | Major or Minor | A&S – SAGES |
| CMP | Computer Science | BS | Major or Minor | EC – SAGES |
| DAN | Dance | — | Minor | — |
| DAM | Dean's Approved Major | BA or BS | Individually Designed Major | TBD |
| DAM | Dean's Approved Minor | --- | Individually Designed Minor | TBD |
| ECO | Economics | BA | Major or Minor | A&S – SAGES |
| EAP | Electrical Engineering | BSE | Major or Minor | EC – SAGES |
| ELN | Electronics | --- | Minor (for BA only) | --- |
| EGR | Engineering—Undesignated | BSE | Major | EC – SAGES |
| EPH | Engineering Physics | BSE | Major | EC – SAGES |
| EGL | English | BA | Major or Minor | A&S – SAGES |
| ENT | Entrepreneurial Studies | --- | Minor | --- |
| GNV | Environmental Geology | BA | Major | A&S – SAGES |
| EST | Environmental Studies | BA | Major* or Minor | A&S – SAGES |

2010 – 2010 Majors and Minors for Case Western Reserve University (continued)
Undergraduate Degrees

| Department Code | Subject | Degree(s) | Available as: | Foundation Curriculum |
|-----------------|---|-----------|-----------------|-----------------------|
| ETS | Ethnic Studies | --- | Minor | --- |
| EVB | Evolutionary Biology | BA | Major* or Minor | A&S – SAGES |
| FLM | Film* | --- | Minor | --- |
| FRC | French | BA | Major or Minor | A&S – SAGES |
| FFS | French and Francophone Studies | BA | Major or Minor | A&S – SAGES |
| GEO | Geological Sciences | BA or BS | Major or Minor | A&S – SAGES |
| GEM | German | BA | Major or Minor | A&S – SAGES |
| GES | German Studies | BA | Major or Minor | A&S – SAGES |
| GER | Gerontological Studies | BA | Major *or Minor | A&S—SAGES |
| HCO | Health Communication | — | Minor | — |
| HST | History | BA | Major or Minor | A&S—SAGES |
| HSP | History and Philosophy of Science | BA | Major or Minor | A&S—SAGES |
| IST | International Studies | BA | Major | A&S—SAGES |
| ITL | Italian | --- | Minor | --- |
| JPN | Japanese | --- | Minor | --- |
| JPS | Japanese Studies | BA | Major | A&S—SAGES |
| JDS | Judaic Studies | --- | Minor | --- |
| MGT | Management | BS | Major | WSOM—SAGES |
| MKR | Marketing | --- | Minor | --- |
| EMS | Materials Science and Engineering | BSE | Major or Minor | EC—SAGES |
| MAT | Mathematics | BA or BS | Major or Minor | A&S—SAGES |
| MAP | Mathematics and Physics | BS | Major | A&S—SAGES |
| MDM | Mechanical Design and Manufacturing | — | Minor | — |
| EMC | Mechanical Engineering | BSE | Major | EC—SAGES |
| MUS | Music | BA | Major or Minor | A&S—SAGES |
| MUE | Music Education | BS | Major | A&S—SAGES |
| NAT | Natural Sciences | BA | Major* or Minor | A&S—SAGES |
| NUR | Nursing | BSN | Major | FPB—SAGES |
| NTR | Nutrition | BA or BS | Major or Minor | A&S—SAGES |
| NBM | Nutritional Biochemistry and Metabolism | BA or BS | Major | A&S—SAGES |
| PHI | Philosophy | BA | Major or Minor | A&S—SAGES |
| PHY | Physics | BA or BS | Major or Minor | A&S—SAGES |
| POS | Political Science | BA | Major or Minor | A&S—SAGES |
| POL | Polymer Science and Engineering | BSE | Major or Minor | EC—SAGES |
| PAR | Pre-Architecture | BA | Major* or Minor | A&S—SAGES |
| PSY | Psychology | BA | Major or Minor | A&S—SAGES |
| PPY | Public Policy | --- | Minor | --- |
| RLG | Religious Studies | BA | Major or Minor | A&S—SAGES |
| RUS | Russian | --- | Minor | --- |
| SOC | Sociology | BA | Major or Minor | A&S—SAGES |
| SPA | Spanish | BA | Major or Minor | A&S—SAGES |
| SPM | Sports Medicine | --- | Minor | --- |
| STA | Statistics | BA or BS | Major or Minor | A&S—SAGES |
| SYB | Systems Biology | BS | Major | A&S—SAGES |
| ESY | Systems and Control Engineering | BSE | Major or Minor | EC—SAGES |
| EDT | Teacher Education | BA | Major* | A&S—SAGES |
| THR | Theatre | BA | Major or Minor | A&S—SAGES |
| WMN | Women's and Gender Studies | BA | Major or Minor | A&S—SAGES |
| WLT | World Literature | BA | Major or Minor | A&S—SAGES |

Advanced Placement (AP) Course Equivalencies 2011 – 2012*

Except as noted, Advanced Placement credit may be used to replace specific courses for purposes of General Education/Core curriculum, major, or minor requirements. Credit and exemption will be given only for AP examinations taken prior to matriculation. Credit will be posted on a student's record during the first semester of enrollment. If, after matriculation at Case Western Reserve University, a student completes a course for which s/he received credit/exemption on the basis of AP, the AP credit/exemption for that course will be forfeited and will not count towards graduation requirements.

**The policies regarding the awarding of credit for Advanced Placement Examinations of The College Board are reviewed annually by departments and are subject to change.*

| Subject/Exam | Score | Credit Earned | Case Western Reserve University Equivalent/Exempt | Placement/Comment |
|-------------------------|--------|---------------|---|---|
| ART HISTORY | 4 or 5 | 6 hours | ARTH 101, 102 | |
| ART STUDIO | | | | |
| Drawing Portfolio | 4 or 5 | 3 hours | ARTS 106 or ARTS 216* <i>* Final credit awarded to be determined after individual portfolio review by Art Studio Program Director.</i> | |
| 2-D Design Portfolio | 4 or 5 | 3 hours | ARTS 101 or ARTS 216* <i>* Final credit awarded to be determined after individual portfolio review by Art Studio Program Director.</i> | |
| 3-D Design Portfolio | 4 or 5 | 3 hours | ARTS T100 or ARTS 201, 210 or 214* <i>* Final credit awarded to be determined after individual portfolio review by Art Studio Program Director.</i> | |
| BIOLOGY | 4 | 3 hours | BIOL 114 | |
| | 5 | 3 hours | BIOL T200 | |
| CHEMISTRY | 4 or 5 | 8 hours | CHEM 105, 106, 113 <i>(Students pursuing an Engineering discipline will receive 8 credit hours of chemistry credit and will satisfy the CHEM 111 requirement, but must register for ENGR 145.)</i> | Students who took AP Chemistry in the 11 th grade, and who plan to take organic chemistry may wish to accept partial credit (for CHEM 105 & 113) and enroll in CHEM 106 in the spring. |
| CHINESE | 3 | 3 hours | CHIN 201 | CHIN 202 |
| | 4 | 6 hours | CHIN 201.202 | CHIN 301 |
| | 5 | 9 hours | CHIN 201, 202, 301 | CHIN 302 |
| COMPUTER SCIENCE | | | | |
| Computer Science A | 4 or 5 | 3 hours | EECS 132 | EECS 233 or 281 |
| Computer Science B | 4 or 5 | 7 hours | ENGR 131, EECS 233 | EECS 281 |
| ECONOMICS | | | | |
| Microeconomics | 4 or 5 | 3 hours | ECON 102 | |
| Macroeconomics | 4 or 5 | 3 hours | ECON 103 | |

Advanced Placement (AP) Course Equivalencies (cont'd)
2011 – 2012*

| Subject/Exam | Score | Credit Earned | Case Western Reserve University Equivalent/ Exempt | Placement/Comment |
|---|--------------------------------|---------------|--|---|
| ENGLISH | | | | |
| Language/ Composition | 4 or 5 | 3 hours | ENGL 202 | |
| Literature/ Composition | 4 or 5 | 3 hours | ENGL 200 | |
| ENVIRONMENTAL SCIENCE | 4 or 5 | 3 hours | GEOL 202 | |
| FRENCH | | | | |
| French Language | 3 | 3 hours | FRCH 201 | FRCH 202 |
| | 4 or 5 | 6 hours | FRCH 201, 202 | 300-level FRCH |
| French Literature | 3 | 3 hours | FRCH 201 | FRCH 202 |
| | 4 or 5 | 6 hours | FRCH 202, FRCH T300 | 300-level FRCH |
| GERMAN | 3 | 3 hours | GRMN 201 | GRMN 202 |
| | 4 or 5 | 6 hours | GRMN 201, 202 | 300-level GRMN |
| GOVERNMENT & POLITICS | | | | |
| American Government | 4 or 5 | 3 hours | POSC 109 | |
| Comparative Politics | 4 or 5 | 3 hours | POSC 260 | |
| HISTORY | | | | |
| American History | 4 or 5 | 3 hours | HSTY 256 | |
| European History | 4 or 5 | 3 hours | HSTY 212 | |
| World History | 4 or 5 | 3 hours | HSTY T100* (HSTY elective) | *Credit for this course is not applicable to History major or minor. |
| <i>A maximum of six AP History semester hours can be awarded.</i> | | | | |
| HUMAN GEOGRAPHY | 4 or 5 | 3 hours | ANTH T100* (ANTH elective) | *Credit for this course is not applicable to Anthropology major/ minor. |
| ITALIAN | 3 | 3 hours | ITAL 201 | ITAL 202 |
| | 4 or 5 | 6 hours | ITAL 201, 202 | 300-level ITAL |
| JAPANESE | 3 | 3 hours | JAPN 201 | JAPN 202 |
| | 4 | 6 hours | JAPN 201, 202 | JAPN 301 |
| | 5 | 9 hours | JAPN 201, 202, 301 | JAPN 302 |
| LATIN | | | | |
| Virgil | 4 or 5 | 3 hours | LATN 202 | 300-level LATN |
| Latin Literature | 4 or 5 | 3 hours | LATN 201 | 300-level LATN |
| MATHEMATICS | | | | |
| Calculus AB | 4 or 5 | 4 hours | MATH 121/125 | MATH 122/126 |
| Calculus BC | 3 with an AB subscore = 4 or 5 | 4 hours | MATH 121/125 | MATH 122/126 |
| Calculus BC | 4 or 5 | 8 hours | MATH 121/125, 122/126 | MATH 223 |

Advanced Placement (AP) Course Equivalencies (cont'd)
2011 – 2012*

| Subject/Exam | Score | Credit Earned | Case Western Reserve University Equivalent/Exempt | Placement/Comment |
|---|--------|---------------|---|--|
| MUSIC | | | | |
| Music Theory | 4 or 5 | 3 hours | MUTH 103* | |
| Music Listening/ Literature | 4 or 5 | 3 hours | MUGN 201* | *Credit for these courses not applicable to any music major program. |
| PHYSICS | | | | |
| Physics B | 4 or 5 | 4 hours | PHYS 115 | PHYS 116 |
| Physics C-Mech* | 4 or 5 | 4 hours | PHYS 121* | PHYS 122 |
| Physics C-E & M* | 4 or 5 | 3 hours | PHYS T100** | |
| <p><i>A maximum of seven AP Physics credit hours can be awarded. Students planning to major in Physics are strongly advised to take a Case Western Reserve University mechanics course (PHYS 121 or 123). Students who elect to take PHYS 123 forfeit the AP credit. **PHYS T100 offers 3 hours of physics general transfer credit, but no Case Western Reserve University course equivalency. Students who earned a 4 or 5 on their AP Physics exam but who had little or no high school physics laboratory experience should consult with the department about taking PHYS 113A to build their laboratory skills before moving on to PHYS 116 or 122.</i></p> | | | | |
| PSYCHOLOGY | 4 or 5 | 3 hours | PSCL 101 | |
| SPANISH | | | | |
| Spanish Language | 3 | 3 hours | SPAN 201 | SPAN 202 |
| | 4 or 5 | 6 hours | SPAN 201, 202 | 300-level SPAN |
| Spanish Literature | 3 | 3 hours | SPAN 201 | SPAN 202 |
| | 4 or 5 | 6 hours | SPAN 202, SPAN T300 | 300-level SPAN |
| STATISTICS | 5 | 3 hours | STAT 201 | |

International Baccalaureate (IB) Course Equivalencies 2011 – 2012*

International Baccalaureate (IB) credit may be used to replace specific courses for purposes of SAGES General Education/Core curriculum, major, or minor requirements. Credit and exemption will be given only for IB examinations taken prior to matriculation. Case Western Reserve University offers course credit for scores of 5, 6 and 7 for most Higher Level (HL) examinations. Subsidiary Level (SL) is only accepted in the area of foreign language. Credit will be posted on a student's record during the first semester of enrollment. If, after matriculation at CWRU, a student completes a course for which s/he received credit/exemption on the basis of IB, the IB credit/exemption for that course will be forfeited and will not count towards graduation requirements.

**The policies regarding the awarding of credit for International Baccalaureate Examinations are reviewed annually by departments and are subject to change.*

| Subject/Exam | Score | Credit Earned | Case Equivalent/Exempt | Placement/Comment |
|--------------------|------------------------------|--|--|--|
| Biology | HL 5, 6 or 7 | 3 hours | BIOL T200 | |
| Chemistry | HL 5, 6 or 7 | 8 hours | CHEM 105, 106, 113 | CHEM 223 |
| Computer Science | HL 5, 6 or 7 | 3 hours | EECS 132 | EECS 233 or 281 |
| Dance | HL 5, 6 or 7 | 3 hours | DANC 121 | DANC 122 |
| Economics | HL 5, 6 or 7 | 6 hours | ECON 102, 103 | 200 or 300-level Economics course |
| English Language A | HL 5, 6 or 7 | 3 hours | WLIT 290 | |
| Foreign Language | | | | |
| Arabic | | | <i>Under Review</i> | |
| Cantonese | | | <i>Under Review</i> | |
| French B | SL 6 SL 7 | 3 hours 6 hours | FRCH 201 FRCH 201, 202 | FRCH 202 300-level FRCH |
| German B | SL 6 SL 7 HL 6 HL 7 | 3 hours 6 hours 6 hours 9 hours | GRMN 201 GRMN 201, 202 GRMN 201, 202 GRMN 201, 202, GRMN T300 | GRMN 202 300-level GRMN 300-level GRMN 300-level GRMN |
| Hebrew | | | <i>Under Review</i> | |
| Italian | SL 6 SL 7 HL 6 HL 7 | 3 hours 6 hours 6 hours 9 hours | ITAL 201 ITAL 201, 202 ITAL 201, 202 ITAL 201, 202, ITAL T300 | ITAL 202 300-level ITAL 300-level ITAL 300-level ITAL |
| Japanese | SL 6 SL 7 HL 6 HL 7 | 3 hours 6 hours 6 hours 9 hours | JAPN 201 JAPN 201, 202 JAPN 201, 202 JAPN 201, 202, JAPN T300 | JAPN 202 300-level JAPN 300-level JAPN 300-level JAPN |
| Mandarin | | | <i>Under Review</i> | |
| Russian | | | <i>Under Review</i> | |
| Spanish B | SL 6 SL 7 HL 6 HL 7 | 3 hours 6 hours 6 hours 9 hours | SPAN 201 SPAN 201, 202 SPAN 201, 202 SPAN 201, 202, SPAN T300 | SPAN 202 300-level SPAN 300-level SPAN 300-level SPAN |

| Subject/Exam | Score | Credit Earned | Case Equivalent/Exempt | Placement/Comment |
|---|--------------|---------------|--|---|
| History of the Americas | HL 5, 6 or 7 | 3 hours | HSTY T100* (HSTY elective) | *Credit for this course not applicable to History major or minor. |
| History of Europe | HL 5, 6 or 7 | 3 hours | HSTY 212 | |
| Mathematics | HL 5,6 or 7 | 7 hours | MATH 121 and MATH T100 (MATH elective) | MATH 122/126 |
| Music | | | <i>Under Review</i> | |
| Physics | HL 5, 6 or 7 | 7 hours | PHYS 121, PHYS T100 (PHYS elective) | PHYS 122 |
| <i>Students who earned a 5, 6, or 7 on their IB Physics exam but who had little or no high school physics laboratory experience should consult with the department about taking PHYS 113A to build their laboratory skills before moving on to PHYS 116 or 122.</i> | | | | |
| Psychology | HL 5, 6 or 7 | 3 hours | PSCL 101 | 200 or 300-level Psychology course |
| Social and Cultural Anthropology | HL 5, 6 or 7 | 3 hours | ANTH 102 | |
| Theatre Studies | HL 5, 6 or 7 | 3 hours | THTR 228 | THTR 229 |
| Visual Arts | HL 6 or 7 | 3 hours | ARTS 101 | |
| World Religions | HL 5, 6 or 7 | 3 hours | RLGN T100 | |

Financial Information

Billing and Charges

A billing notification will be sent to your Case Western Reserve University e-mail account electronically from the Bursar's Office. Case Western Reserve University provides all students with a full e-commerce solution that allows students and authorized third parties to view tuition bills and make payment to accounts on-line. This electronic billing and payment solution is made possible through Quickpay. **The spring tuition is due in full on January 17, 2012.**

Charges for 2011– 2012 are:

| | Semester | Year |
|---|----------|----------------------|
| Tuition (\$1,617 per credit hour for part-time course work) | \$19,380 | \$38,760 |
| Matriculation Fee | | \$450 (one-time fee) |
| Medical Plan Coverage | \$726 | \$1,452 |
| Student Activities Fee | \$155 | \$310 |
| Regional Transit Authority | \$25 | \$50 |

Additional charges for students living in the residence halls are:

| | Semester | Year |
|--|----------|--------|
| Room Based on Standard Double Occupancy* | \$3,435 | \$6870 |
| Board Based on 19 meal plan* | \$2,534 | \$5068 |
| <i>*Additional information about tuition, room, and board rates can be found at: http://www.case.edu/finadmin/controller/bursar/tuition.htm Case OneCard information can be found at http://www.caseonecard.com/BbOne/CWRUCard/home.htm </i> | | |

Late fees charged when appropriate:

| | |
|---|---|
| Late Registration Fee – begins January 18 | \$25 |
| Late charges – after January 17 | Tuition due date |
| Late Payment Fee – begins January 18 | 1.5% of the amount due and not paid per month |

Financial Aid Awards

Students who have applied for financial aid should have been notified of their awards. If you have not received notice, please call or e-mail the Financial Aid Office at (216) 368-4530 or faoffice@case.edu

Scholarships, grants, and loans are credited against tuition and other direct charges at the beginning of each semester in equal installments. Notification of any outside scholarships or grants must be submitted to the Financial Aid Office immediately upon notification of the receipt of the award.

The Office of Student Employment is located in Room 410 Yost Hall and is always available to assist students with the job search or other employment-related concerns. Students receiving Federal College Work Study and Federal Direct Loans as part of their financial aid package must attend a special workshop scheduled during Welcome Days Orientation.

PLEASE NOTE:

A FINAL HIGH SCHOOL TRANSCRIPT CERTIFYING GRADUATION MUST BE ON FILE IN UNDERGRADUATE ADMISSIONS BEFORE FEDERAL FINANCIAL AID CAN BE RELEASED TO RECIPIENTS. ANY STUDENT FOR WHOM SUCH DOCUMENTATION HAS NOT BEEN RECEIVED BY SEPTEMBER 1st WILL RECEIVE A REMINDER AND A FORM TO SUBMIT TO HIS/HER HIGH SCHOOL.

Campus Resources

Unless otherwise noted, all phone numbers listed have a (216) area code.

Access Services

Crawford Hall 018 – 368-2724, 368-CARD

<http://www.case.edu/finadmin/security/access/access.htm>

Visit this office to get your official University identification card, the CaseOneCard. Access Services assists with lost, replacement and inoperative cards and also distributes keys on campus. Students, faculty and staff can visit Access Services for discounted tickets (movie theaters, amusement parks, zoo, etc.)

Alumni Relations

Alumni House – 368-6280

<http://www.case.edu/alumni/>

The Alumni Association offers a number of exciting programs to future Case Western Reserve University alumni (a.k.a. students). These programs are offered to increase student involvement on campus and to enrich university traditions while preparing students for life as active Case Western Reserve University alumni. The Student Alumni Association provides opportunities for current students to interact and build relationships with alumni through various social and professional programs offered throughout the year.

Athletics – See *Physical Education and Athletics*.

Bookstore

Thwing Student Center, 1st floor – 368-2650

<http://case.bncollege.com>

Located in the Thwing Student Center, the bookstore provides textbooks to purchase or rent, leisure reading, study supplies and other materials for the campus community. The bookstore also houses a gift shop and convenience store.

Bursar's Office

Yost Hall 115 – 368-2000

<http://www.case.edu/finadmin/controller/bursar.htm>

The Bursar's Office is happy to assist with questions regarding tuition and fees, student billing, payment options and due dates. CWRU utilizes an online billing system and allows students to give parents and other third parties access to their student account and bill. Visit the website above for more information. The Bursar's Office includes Student Accounts Receivable, Cashier, and Student Loan Services. The office is open Monday through Friday from 8:30 a.m. to 5:00 p.m.

Career Center

Sears Building 206 – 368-4446

<http://studentaffairs.case.edu/careers/>

The Career Center offers individualized assistance, programs and technologically advanced resources to educate students in the development of lifelong career management skills, the attainment of work experience and the integration of academic and career plans. Services include career counseling, self-assessment, resume reviews, interview preparation, workshops and career fairs, job and internship search assistance, and Career Peers.

**Center for Civic Engagement and Learning
Thwing Student Center, Lower Level –
368-6960**

<http://studentaffairs.case.edu/civicengagement/>

The mission of the Center for Civic Engagement and Learning (CCEL) is to promote, provide, and support learning opportunities for Case Western Reserve University students in the form of service that is beneficial to the community. As a campus-wide clearinghouse, it facilitates curricular, co-curricular, work-study, and national service opportunities for Case's undergraduate, graduate, and professional school students.

Commuter Services

Sears Building 470 – 368-5230

<http://studentaffairs.case.edu/education/commuter/>

The Office of Commuter Services is committed to enhancing the university experience for all commuter students through advocacy, awareness, and services. These services include a commuter lounge (located in the basement of the Thwing Student Center), Commuter Assistants, the Commuter Club, and a range of activities in which to participate. Visit the website to view helpful information in the Commuter Guide.

Computer Lab – See *Nord Computer Lab and Plain Dealer Electronic Learning Center*.

Dining Services- mealplan@case.edu

<http://www.case.edu/finadmin/security/auxiliary/auxiliary.htm>

Changes to the meal plan, cost and other information can be found on the Dining Services website. CaseCash information can be found on the site as well.

Disability Resources

Sears Building 470 – 368-5230

<http://studentaffairs.case.edu/education/disability/>

Disability Resources assists students with disabilities (temporary or permanent) so that they are fully able to participate in their chosen programs and activities. Upon receipt of a Disability Disclosure Form and the accompanying documentation, the Disability Resources Coordinator will contact the student for an individual appointment to discuss his/her personal situation. Accommodations are individually determined based on student needs, the information within the documentation and the information from the individual interview.

Educational Services for Students (ESS)

Sears Building 470 – 368-5230

<http://studentaffairs.case.edu/education/>

Educational Services for Students (ESS) provides assistance for students wishing to enhance their educational experience through individual academic mentoring and tutoring. Services include seminars, tutoring, supplemental instruction (SI) sessions, and individual consultations. ESS is also the home for Disability Resources, Commuter Services and the Plain Dealer Electronic Learning Center, an open computer lab.

Financial Aid, Office of

Yost Hall 417A – 368-4530

<http://finaid.case.edu>

The Office of Financial Aid works with each student to build an assistance package that will enable him or her to invest in higher education. The office will make every effort to assist the student to realize his or her educational goals and objectives within the framework of the University's available resources or those of other identifiable agencies and organizations.

Flora Stone Mather Center for Women

Thwing Student Center 309 – 368-0985

<http://www.case.edu/provost/centerforwomen/index.html>

The Center for Women strives to improve the educational, professional, and social climate and to increase opportunities for women within the University and community through education, advocacy, and leadership. Services include programs and events, outreach, mentoring, and women's programming.

Greek Life

Yost Hall 7 – 368-1363

<http://studentaffairs.case.edu/greek/>

The Office of Greek Life provides coordination and support for the 15 fraternities and 8 sororities recognized by the University. The staff of the Office of Greek Life provides programming, guidance and leadership development to the members of the Greek community.

Health Services – See University Health Service.

Housing and Residence Life

Yost Hall 4 – 368-3780

<http://studentaffairs.case.edu/living/>

The Office of Housing and Residence Life strives to enhance, create and maintain diverse living and learning communities where students, staff and others maximize their personal and educational development through outstanding programs and services in safe and comfortable facilities. Residence Life staff provide programming, leadership development, and personal and academic support to students. Additional services include internet, cable, and laundry.

International Affairs, Office of

Tomlinson Hall 143 - 368-2397

<http://www.case.edu/international/>

The Office of International Affairs (OIA) works in partnership with faculty, students and administration to provide university-level vision and leadership for international activities across the campus. The Office of Education Abroad and the Office of International Student Services are being located there. Please check the website for updates.

International Student Services

Tomlinson Hall 143 – 368-2517

<http://studentaffairs.case.edu/international/>

The mission of the Office of International Student Services (ISS) is to enhance the international student experience and promote intercultural exchange at CWRU. The office assists international students with immigration documentation and registration, academics, and leadership development, as well as a full range of housing, financial, and legal matters.

Inter-Religious Council

<http://studentaffairs.case.edu/handbook/university101/religious.html>

The Inter-Religious Council (IRC) is comprised of staff members from Hillel, United Protestant Campus Ministries, Newman Catholic Campus Ministries, and the Muslim Campus Outreach Group. The IRC hosts a variety of events, workshops, and programs such as the InterFaith Dialogue Series, panel discussions, Seder meals, Lenten services, spiritual retreats, and community service projects. Each ministry also provides programs that are unique to its own religion. See the website for contact information specific to each ministry.

Intramurals – See *Physical Education & Athletics*.

ITS Help Desk

Sears Building 340 & 11424 Bellflower Rd. – 368-4357 (HELP) <http://www.case.edu/its/>

Case Information Technology Services provides world-class IT support to the CWRU community. The ITS Help Desk is committed to delivering consistent, high quality and timely customer support and service to enable students to maximize the use of CWRU's rich technology resources. ITS has discounts for students on laptops and cell phone services publicized on the website, as well as an online Software Center with downloads of popular programs available for students at little or no cost. Services are available 24-hours a day, 7-days a week by phone, email, or via the internet. Students can also visit walk-in centers across campus for free computer service and support.

Lesbian Gay Bisexual Transgender (LGBT) Center

Thwing Center West, First Floor – 368-5428
<http://www.case.edu/lgbt/>

The Lesbian Gay Bisexual Transgender Center at Case Western Reserve University provides a home for members of the LGBT community and their allies. It also serves as a source of support, information, and insight for those who have lesbian, gay, bisexual or transgender children or loved ones. The LGBT Center also welcomes alumni, prospective students, faculty, and staff. A lounge, kitchenette, office, and study and meeting spaces provide opportunities for both informal gatherings and structured events.

Library – See *University Library*.

Meal Plan – See *Dining Services*.

Nord Hall Computer Lab

Nord Hall 415—368-5463

<http://www.scl.case.edu/>

All students have 24/7 card access to the Nord Computer Lab. The lab offers popular software, \$5.00 in printing per student each semester, a color printer, scanner, and a fax machine.

Office of Multicultural Affairs

Sears Building 450 – 368-2904

<http://studentaffairs.case.edu/multicultural/>

The Office of Multicultural Affairs (OMA) encourages, supports and facilitates the success of all Case students by providing opportunities for diverse interaction and cultural education that occurs outside of the classroom environment. Services include multicultural enrichment programs, leadership and service opportunities, academic support, networking, and Mentoring.

Orientation and New Student Programs

Sears Building 470– 866-986-8827

<http://studentaffairs.case.edu/orientation/>

All new undergraduates are required to attend orientation on Friday, January 13, 2012. Orientation activities are designed to welcome students to CWRU and to the Cleveland community, and to ease the transition into university life.

Office of Parking and Transportation

Crawford Hall 018 – 368-2273

<http://parking.case.edu/>

Parking and Transportation provides and collects all requests for parking permits and handles all aspects of parking services.

Parent Programs

Sears Building 470 – (866) 986-8827

<http://studentaffairs.case.edu/parents/>

The Parent Resources web page has information about Orientation, Family Weekend, upcoming events, the Parent Handbook, and various useful links to educate parents on their student's college experience.

Physical Education and Athletics

Veale Recreation Center - 368-2420

<http://studentaffairs.case.edu/athletics/>

The mission of the Department of Physical Education and Athletics is to contribute to the educational development of the university student and enhance the quality of the leisure life of the students, faculty, and staff. Students may participate in NCAA Division III Varsity Athletics, intramural activities, personal physical fitness and may enroll in a variety of courses offered through the department. The Veale Center houses a cardio workout room, a pool with open hours, tennis, basketball and racquetball courts, as well as an issue room for students to borrow equipment. Other facilities include Adelbert Gym and Carlton Road tennis courts.

**Plain Dealer Electronic Learning Center
Sears 464 – 368-5230**

<http://studentaffairs.case.edu/education/resources/pdelc/>

The Plain Dealer Electronic Learning Center (PDELc) offers a comfortable learning space incorporating wireless computing and workspace flexibility to allow for customized workshops, small group activities, individual research and study. Printing is available for students through the Print2Sears printer. Laptops are available to borrow. Hours of operation are Monday through Friday from 8:30 a.m. to 5:00 p.m. and other times by appointment.

Police – See Protective Services.

Postal Substation

Thwing Student Center Atrium

<http://studentaffairs.case.edu/thwing/postal/>

The Thwing Student Center Postal Substation is open Monday through Friday from 9:30 a.m. to 3:30 p.m. (closed Fridays during the summer). The substation provides basic postal services and accepts cash or CaseOneCard only. See the website for a list of services provided.

Print2Here

<http://studentaffairs.case.edu/services/print2here/>

The Print2Here program provides registered undergraduates with 500 free print pages each semester for each academic year by swiping their CaseOneCard at a Print2Here printer. Materials can be printed from a campus printer, or by installing the printer driver from the Print2Here website to a personal computer. Printer locations are:

- Carlton Commons
- Fribley Commons
- Kelvin Smith Library
- Leutner Commons
- Sears Building
- Thwing Student Center
- Village at 115, behind Starbucks
- Wade Commons

Protective Services

1725 East 115th St. – 368-4630

<http://www.case.edu/finadmin/security/protserv/protserv.htm>

Protective Services provides a variety of security and safety programs to help ensure a safe educational environment. The University's security force patrols the campus facilities and grounds on a 24 hour-a-day basis throughout the year. Protective Services consists of 31 full-time field officers, all professionally trained. Information regarding theft deterrent measures and personal safety is available on the website. Protective Services offers bike u-locks to students who register their bike in the Wade or Fribley area offices. The Safe Ride and Safe Walk program offers a safe way for students to get across campus at night or when alone.

Security Emergencies: 368-3333
Non-Emergencies: 368-4630
Safe Ride or Safe Walk: 368-3000

Registrar – See University Registrar.

Seminar Approach to General Education and Scholarship (SAGES) Office

Crawford Hall Room 110– 368-5830

<http://www.case.edu/sages/index.html>

This office is responsible for overseeing the SAGES program. Students can find information on the office's website about First Seminars, University Seminars, Departmental Seminars and Capstone Experiences, as well as how to complete and submit the Writing Portfolio.

Support of Undergraduate Research and Creative Endeavors (SOURCE)

Sears Building 451 – 368-2180

<http://www.case.edu/provost/source/>

The goal of the SOURCE office is to assist and prepare students to engage in research and creative endeavors. The SOURCE office helps students learn about UR-CE (undergraduate research and creative endeavors) and opportunities, assists faculty members in posting opportunities, assists with funding, and facilitates the celebration of UR-CE activities. Numerous opportunities exist for research and creative projects both on and off-campus. See the website for more information.

Student Accounts Receivable – See Bursar.

Student Activities & Leadership Office

Thwing Student Center – 368-2679

<http://studentaffairs.case.edu/activities/default.html>

The Office of Student Activities & Leadership serves as the primary resource on campus for program planning and advisement for undergraduate student groups and administrative offices seeking program planning assistance. The office also coordinates leadership development opportunities and training programs for undergraduates, as well as a poster printing service and special occasion balloons for sale.

Student Employment

Yost 410A – 368-4533

<http://financialaid.case.edu/studentemployment/default.aspx>

The Office of Student Employment serves students seeking part-time employment, both on and off-campus, year-round. CWRU has made a commitment to utilizing student employees whenever possible. The office hosts a work-study job fair at the beginning of each academic year and maintains an online posting system for students to view available jobs.

Student Loans – See Bursar or Financial Aid.

Undergraduate Studies

Sears Building 357 –and the Satellite Offices at Fribley and Wade (Monday and Tuesday, 6:00 – 8:00 p.m.) 368-2928

<http://www.case.edu/provost/ugstudies/undstud.htm>

The Office of Undergraduate Studies serves the academic needs of undergraduate students from matriculation to graduation. Services include pre-professional advising, advising for fellowships and scholarships, coordination of academic advising through collaboration with academic departments, posting of AP/IB/transfer credits, and connecting students to a wealth of educational opportunities.

University Counseling Services

Sears Building 201 – 368-5872

<http://studentaffairs.case.edu/counseling>

University Counseling Services (UCS) offers assistance to students who experience a variety of difficult personal and interpersonal challenges. Services are confidential and free for registered students. The office is staffed with psychologists, psychiatrists, social workers, counselors, and doctoral level counseling trainees who specialize in helping students adjust to these changes and college life in general. UCS offers individual and group counseling, as well as recovery services for students. *For emergencies that arise after regular office hours, please call 368-5762 and select the phone number option for Emergency Care. This service is available 24-hours/day, 7-days/week (holidays included).*

University Health Service

2145 Adelbert Rd. – 368-2450

<http://studentaffairs.case.edu/health/>

The goal of University Health Service is to help all registered students stay healthy and productive so that each student may receive the most from their education and fully enjoy their college experience. Students are seen on an APPOINTMENT BASIS ONLY, except in case of emergency. UHS offers specialty clinics such as Skin, Dermatology, Allergy and Women's Health. Appointments for the General or Specialty Clinics, except for Women's Health, may be made by calling 368-4539. Appointments for Women's Health may be made by calling 368-2453.

University Office for Student Affairs

Adelbert Hall 110 – 368-2020

<http://studentaffairs.case.edu>

The Office of Student Affairs provides leadership in the development of services and programs that enrich student life, extend and enhance the academic experience, and contribute to an environment that encourages personal growth and development. The Office of Student Affairs serves as a central source of information about the University policies and procedures that affect students and about co-curricular services and programs. The staff welcomes questions and suggestions from students.

University Library

Kelvin Smith Library– 368-3506

<http://library.case.edu/ksl/index.html>

For complete listing of all libraries go to:

<http://www.case.edu/dir/libraries.html>

The University Library comprises the Kelvin Smith Library (KSL), Kulas Music Library, the Astronomy Library, and the University Library Storage facility, with a combined collection of 1.5 million items. The library offers individual and group study space, as well as a café. Many online resources are available, such as research tools, Electronic Journal Collections, eBooks, Newspaper subscriptions and OhioLink, a service for students to borrow from other Ohio Libraries. KSL is also home to the Freedman Center, which offers digital and multimedia services such as sound editing, audio/video digitizing, and rental of video cameras, laptops and audio recording devices. The Freedman Center also has Language-Learning services, where students can learn a new language at their own pace.

University Operator – 368-2000

For numbers not listed here one can contact the University Operator for information.

University Registrar

Yost 110 – 368-4310

<http://www.case.edu/provost/registrar/registrar.html>

The Registrar's Office is the official source for academic records, registration, and drop/add functions for undergraduate students. Enrollment verifications, degree verifications, and transcript requests are processed in this office. Other functions include management of grade sheets, grade change processing, collection and dissemination of semester course offerings, classroom scheduling, ad hoc reporting and fulfilling requests for student information.

Writing Resource Center
Bellflower Hall 104 – 368-2000

<http://www.case.edu/writing/writingcenter.html>

The Writing Resource Center offers appointments and walk-in hours for all students at the University. Tutors assist students with developing skills along all stages of the writing process, and are available in the main center, as well as in satellite offices in Nord Hall (fourth floor), Kelvin Smith Library (first floor), and in the SAGES Café. A nursing writing tutor is available in the Nursing School student services office.

Five Year Academic Calendar

| FALL | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|--|------------------|------------------|------------------|------------------|------------------|
| Registration (and Drop/Add) Begin (UG) | Apr 5 | Apr 4 | Apr 9 | Apr 8 | Apr 7 |
| Classes Begin | Aug 23 | Aug 29 | Aug 27 | Aug 26 | Aug 25 |
| Late Registration Fee (\$25) Begins | Aug 24 | Aug 30 | Aug 28 | Aug 27 | Aug 26 |
| Labor Day Holiday | Sep 6 | Sep 5 | Sep 3 | Sep 2 | Sep 1 |
| Late Registration and Drop/Add End | Sep 3 | Sep 9 | Sep 7 | Sep 6 | Sep 5 |
| Deadline Credit/Audit (UG) | Sep 3 | Sep 9 | Sep 7 | Sep 6 | Sep 5 |
| Fall Break | Oct 18/19 | Oct 24/25 | Oct 22/23 | Oct 21/22 | Oct 20/21 |
| Mid-Term Grades Due (UG) | Oct 18 | Oct 24 | Oct 22 | Oct 21 | Oct 20 |
| Deadline for removal of prev. term "I" grades (UG) | Nov 5 | Nov 11 | Nov 9 | Nov 8 | Nov 7 |
| Deadline Credit/Audit (G) | Nov 5 | Nov 11 | Nov 9 | Nov 8 | Nov 7 |
| Deadline For Class Withdrawal (UG) | Nov 5 | Nov 11 | Nov 9 | Nov 8 | Nov 7 |
| Registration for Spring Begins (UG) | Nov 8 | Nov 14 | Nov 12 | Nov 11 | Nov 10 |
| Thanksgiving Holidays | Nov 25/26 | Nov 24/25 | Nov 22/23 | Nov 28/29 | Nov 27/28 |
| Deadline for removal of prev. term "I" grades (G) | Dec 3 | Dec 9 | Dec 7 | Dec 6 | Dec 5 |
| Last Day of Class | Dec 3 | Dec 9 | Dec 7 | Dec 6 | Dec 5 |
| Reading Days | Dec 6, 10 | Dec 12, 16 | Dec 10, 14 | Dec 9, 13 | Dec 8, 12 |
| Final Exams Begin | Dec 7 | Dec 13 | Dec 11 | Dec 10 | Dec 9 |
| Final Exams End | Dec 15 | Dec 21 | Dec 19 | Dec 18 | Dec 17 |
| Final Grades Due by 11:00 am | Dec 17 | Dec 23 | Dec 21 | Dec 20 | Dec 19 |
| Fall Awarding of Degrees | Jan 14 (2011) | Jan 20 (2012) | Jan 18 (2013) | Jan 17 (2014) | Jan 16 (2015) |
| | | | | | |
| SPRING | 2011 | 2012 | 2013 | 2014 | 2015 |
| Registration (and Drop/Add) Begin (UG) | Nov 8 (2010) | Nov 14 (2011) | Nov 12 (2012) | Nov 11 (2013) | Nov 10 (2014) |
| Martin Luther King Jr. Holiday | Jan 17 | Jan 16 | Jan 21 | Jan 20 | Jan 19 |
| Classes Begin | Jan 10 | Jan 17 | Jan 14 | Jan 13 | Jan 12 |

Five Year Academic Calendar (continued)

| | | | | | |
|--|-------------|-------------|------------------|-------------|-------------|
| Late Registration Fee (\$25) Begins | Jan 11 | Jan 18 | Jan 15 | Jan 14 | Jan 13 |
| Late Registration and Drop/Add End | Jan 21 | Jan 27 | Jan 25 | Jan 24 | Jan 23 |
| Deadline Credit/Audit (UG) | Jan 21 | Jan 27 | Jan 25 | Jan 24 | Jan 23 |
| Mid-Term Grades Due (UG) | Mar 7 | Mar 12 | Mar 9 | Mar 10 | Mar 9 |
| Spring Break | Mar 7-11 | Mar 12-16 | Mar 11-15 | Mar 10-14 | Mar 9-13 |
| Deadline for removal of prev. term "I" grades (UG) | Mar 25 | Mar 30 | Mar 29 | Mar 28 | Mar 27 |
| Deadline Credit/Audit (G) | Mar 25 | Mar 30 | Mar 29 | Mar 28 | Mar 27 |
| Deadline for Class Withdrawal (UG) | Mar 25 | Mar 30 | Mar 29 | Mar 28 | Mar 27 |
| Open registration for Summer Begins (UG) | Mar 28 | Apr 2 | Apr 1 | Mar 31 | Mar 30 |
| Open registration for Fall Begins (UG) | Apr 4 | Apr 9 | Apr 8 | Apr 7 | Apr 6 |
| Deadline for removal of prev. term "I" grades (G) | Apr 25 | Apr 30 | Apr 29 | Apr 28 | Apr 27 |
| Last Day of Class | Apr 25 | Apr 30 | Apr 29 | Apr 28 | Apr 27 |
| Reading Days | Apr 26/27 | May 1/2 | Apr 30/ May 1 | Apr 29/30 | Apr 28/29 |
| Final Exams Begin | Apr 28 | May 3 | May 2 | May 1 | Apr 30 |
| Final Exams End | May 5 | May 10 | May 9 | May 8 | May 7 |
| Final Grades Due by 11:00 am | May 7 | May 12 | May 11 | May 10 | May 9 |
| University Commencement | May 15 | May 20 | May 19 | May 18 | May 17 |
| | | | | | |
| SUMMER | 2011 | 2012 | 2013 | 2014 | 2015 |
| Classes Begin | Jun 6 | Jun 4 | Jun 3 | Jun 2 | Jun 1 |
| Independence Day Holiday | Jul 4 | Jul 4 | Jul 4 | Jul 4 | Jul 3 |
| Classes End | Aug 1 | Jul 30 | Jul 29 | Jul 28 | Jul 27 |
| Final Grades Due 12:00 noon | Aug 3 | Aug 1 | Jul 31 | Jul 30 | Jul 29 |
| Summer Awarding of Degrees | Aug 19 | Aug 17 | Aug 16 | Aug 15 | Aug 14 |

Notes