

FIRST-YEAR GENERAL ENGINEERING STUDENTS
SPRING SEMESTER 2010 COURSE REQUEST INFORMATION
PLEASE READ THIS DOCUMENT COMPLETELY AND CAREFULLY!

DISREGARD ANYTHING YOU HAVE HEARD FROM STUDENTS WHO STARTED HERE LAST YEAR OR BEFORE. SIGNIFICANT CHANGES HAVE BEEN MADE!!!!

1. Your Course of Study Planner may prove to be very useful as you plan courses for next semester.
2. After reviewing the appropriate sections below consult with your advisor as necessary.
3. Complete your course request online (using Hokie Spa). Course Request for Spring 2010 runs from October 20 through October 27, 2009. More information on Course Request is available at http://www.registrar.vt.edu/registration/requests_restrictions.php

--- For students intending to major in Electrical Engineering, Computer Engineering, or Computer Science ---

NOTE: Students planning to major in Computer Engineering (CpE) or Electrical Engineering (EE) MUST have a grade of C– or better in MATH 1205, 1206, 1114, 1224, and PHYS 2305 before you can transfer to CpE or EE. Students planning to major in Computer Science (CS) MUST have a grade of C or better in CS 1114 or CS 1124 before you can transfer to CS. Plan your spring schedule accordingly, based on Fall 2009 grades.

General Engineering Freshmen on schedule WHO ARE INTENDING TO MAJOR IN ELECTRICAL OR COMPUTER ENGINEERING or COMPUTER SCIENCE should take the following courses in the Spring Semester, 2010:

- **ENGE 1104** – prerequisite, ENGE 1024, Engineering Exploration (or EF/ENGE 2984) with C– or better. You should also enroll in **CRN 10016**, which will reserve the TUESDAY evening time when ENGE 1104 tests will be given.
- **CHEM 1045** – If you were not able to take it or dropped it Fall 2009
- **ENGL 1106** – prerequisite, ENGL 1105 or Advanced Standing
- **MATH 1206** – prerequisite, MATH 1205
- **MATH 1224** – prerequisite, MATH 1205, co-requisite Math 1206
- **PHYS 2305** (**MUST** schedule lecture and lab, requires TWO CRNs, both are listed as PHYS 2305) (Type “L” is lecture, Type “B” is Lab) – co-requisite, MATH 1206
- **Add the following as appropriate**
 - **Students planning to major in ELECTRICAL OR COMPUTER ENGINEERING - ECE 1574** (Engr Prob Solving with C++) – prerequisite, ENGE 1024, Engineering Exploration (or EF 2984) with a grade of C– or better, MATH 1205 with a grade of C– or better. Students **must** have the specified C++ Compiler. You must sign up for BOTH Lecture and Recitation. This requires TWO CRNs.
 - **Students planning to major in COMPUTER SCIENCE** – CS 1114 or CS 1124
 - If you already have AP credit for CS 1705 or completed CS 1705 or CS 1114 or CS 1124 Media Computation this semester, you should take at least one of the following:
 - CS 2104 Problem Solving in Computer Science (if you’ve finished MATH 1205 and if you’ve finished ENGE 1024 or have programming experience)
 - CS 2114 (if you’ve finished the first CS class)
 - CS 2505 (if you’ve finished the first CS class and are taking Math 2534 as a co-req.)

- Advising questions can be directed to either Ms. Arthur (arthurt@vt.edu) or Ms. Bradford (bradford@vt.edu).
- **MATH 1114** – for students taking MATH 1206 & 1224 this fall.
- **MATH 2224** – for students taking MATH 1114 & 1224 this fall. And OPTIONALLY for students taking MATH 1206 & 1224 this fall.
- If you are taking MATH 2224 this semester, consult with your advisor.

--- For students **NOT intending to major in Electrical or Computer Engineering or Computer Science ---**

General Engineering Freshmen on schedule WHO ARE **NOT INTENDING TO MAJOR IN ELECTRICAL OR COMPUTER ENGINEERING or COMPUTER SCIENCE should take the following courses in the Spring Semester, 2010:**

- **ENGE 1114** – prerequisite, ENGE 1024, Engineering Exploration (or EF 1015 or EF/ENGE 2984) with C– or better. You should also enroll in **CRN 10017**, which will reserve the WEDNESDAY evening time when ENGE 1114 tests will be given.
- **CHEM 1045** – (Chem Lab) If you were not able to take it or dropped it Fall 2009
- **ENGL 1106** – prerequisite, ENGL 1105 or Advanced Standing
- **MATH 1206** – prerequisite, MATH 1205
- **MATH 1224** – prerequisite, MATH 1205, co-requisite Math 1206
- **PHYS 2305** (**MUST** schedule lecture and lab, requires TWO CRNs, both are listed as PHYS 2305) (Type “L” is lecture, Type “B” is Lab) – co-requisite, MATH 1206
- **Add the following as appropriate:**
 - **MATH 1114** – for students taking MATH 1206 & 1224 this fall.
 - **MATH 2224** – for students taking MATH 1114 & 1224 this fall. And OPTIONALLY for students taking MATH 1206 & 1224 this fall.
 - If you are taking MATH 2224 this semester, consult with your advisor.
 - **Students planning to major in CHEMICAL** CHEM 1036 and CHEM 1046 **or BIOLOGICAL SYSTEMS ENGINEERING** – CHEM 1036 Only – prerequisite, CHEM 1035 and CHEM 1045 (NOTE: If you were not able to take CHEM 1045 in Fall 2009 you will be allowed to take CHEM 1045, CHEM 1036, & 1046 at the same time)
 - **Students planning to enter all other majors** – Elective – Area 2 or Area 3 and/or Area 6

NOTE: ECON 2005, Principles of Economics (Microeconomics) is required for Aerospace Engineering and Ocean Engineering. ECON 2005 is also an Area 3 course and is required for the Business Minor (see <http://www.undergrad.pamplin.vt.edu/Files/Forms/Minor.pdf>).

--- General Notes ---

You have been assigned an academic advisor. If you need assistance, contact them!

A REMINDER TO ALL ENGINEERING STUDENTS WHO ARE EXEMPT FROM ENGL 1105 DUE TO ADVANCED STANDING – Two semesters of Freshman English are required for transfer into an Engineering

Department. If you are exempt from ENGL 1105 because of Advanced Standing, you will receive credit for 1105 if you pass ENGL 1106 or H1204 with a grade of C– or better **on your first attempt**. If you earn a D+, D, or D- in your first attempt at ENGL 1106 or H1204, you will need to take ENGL 1105. If you fail or withdraw from ENGL 1106 or H1204 in your first attempt you will need to both take ENGL 1105 and re-take 1106. Students who are exempt from ENGL 1105, but take ENGL 1106 at another college or university cannot have failed or withdrawn from ENGL 1106 at VT or they must also take ENGL 1105.

Any student needing ENGE 1024, Engineering Exploration in Spring 2010 will be required to go to www.enge.vt.edu and fill out the form requesting the course (THIS WAITING LIST WILL BE POSTED AFTER FALL GRADES COME OUT). You **MUST** be Math Ready (eligible to take MATH 1205) before you will be allowed to enroll in ENGE 1024, Engineering Exploration.

Students who have dropped required courses during the Fall Semester or who have advanced placement credits should consult with their academic advisor.

For a list of requirements to transfer from General Engineering to a degree-granting department, see http://www.enge.vt.edu/Undergraduate/undergrad_req_for_trans.html

If you are failing any courses, if your course schedule involves any unusual ramifications, or if you need assistance, see your academic advisor.

Before beginning the course request process it is a good idea to lay out your schedule to ensure that you have no time conflicts.

If you have any blocks or holds on your record, you will not be able to request courses. You should check this now and take immediate steps clear any such problems.

There is no benefit to completing your course request early during the request period. No actual scheduling is done until after the Course Request period is completed.

ALL COURSE REQUESTS MUST BE COMPLETED BY 11:59 P.M., TUESDAY, OCTOBER 27th. Please note that this is a course **request**, and that you will not actually receive your schedule for several weeks.

DO NOT wait until the last minute to complete your course request!

For additional information, see the Registrar's page http://www.registrar.vt.edu/registration/requests_restrictions.php