WELCOME!

It is a pleasure for me to welcome you to the College of Engineering and The University of Alabama. I believe that the years that you spend here will be among the most important and enjoyable ones of your life. Learning is exciting. We understand that you learn inside and outside of the classroom, and I think you will find rich opportunities for both experiences on this campus. The friendships that you build here with faculty, staff, and other students will last a lifetime. As you learn and build relationships, you will enrich this college as a strong learning community.

We publish this **Orientation Guide** as a way of introducing you to the College. It gives you information, which is important, but it also connects you to people and services that can assist you in many ways as you progress through your freshman year. It is most important for you to get the assistance you need to be successful. Please do not hesitate to call on us.

The **Orientation Guide** is also intended to help your parents understand more about the College, our expectations for you, and the many people here willing to work with you. We believe that a partnership between you, your parents, the College of Engineering, and The University of Alabama is an important part of your good start here. We hope to nurture that partnership during the coming year. Again, welcome. I look forward to getting to know you.

Sincerely,

Charles L. Karr, Dean

Who's Who in the College of Engineering?

Contact Person	Position	Phone #	E-mail Address
Dr. Charles L. Karr	Dean	205-348-6400	ckarr@eng.ua.edu
Dr. John Wiest	Associate Dean for Research	205-348-1727	jwiest@eng.ua.edu
Dr. Viola Acoff	Associate Dean for Undergraduate and Graduate Programs	205-348-1598	vacoff@eng.ua.edu
Dr. Ken Fridley	Senior Associate Dean for Administration	205-348-1598	kfridley@eng.ua.edu
Mr. Greg Singleton	Director, Engineering Student Services	205-348-0750	gsingleton@eng.ua.edu
Dr. David Cordes	Director, Freshman Engineering Program	205-348-1671	cordes@cs.ua.edu
Ms. Naomi Powell	Director, Co-op Program	205-348-6422	npowell@eng.ua.edu
Ms. Lynsey Dill	Coordinator, Student Recruitment	205-348-2547	ldill@eng.ua.edu

ENGINEERING DEGREE PROGRAMS

Aerospace Engineering	205-348-7251
Chemical & Biological Engineering	205-348-6450
Architectural, Civil, Construction, and Environmental Engineering	205-348-6550
Computer Science	205-348-6364
Electrical & Computer Engineering	205-348-3218
Mechanical Engineering	205-348-6325
Metallurgical Engineering	205-348-1739

College of Engineering Advisors

Emili Alexander: Coordinator of Advising, MTE and AEM; ebalexander3@eng.ua.edu
Kalynn Anderson: CS and UNDG last names N-Z; kalynn.anderson@ua.edu
Mary Bell Goodson: ECE and UNDG last names A-M; mgoodson@eng.ua.edu
Derreck Humes: ME last names L-Z; djhumes@ua.edu
Ashley Newsome: CHE; annewsome@ua.edu
Crystal Parker: ME last names A-K; cparker10@eng.ua.edu
Peter Pierre: Civil, Construction, Environmental, and Architectural; papierre@eng.ua.edu

Capstone Creed

"As a member of the University of Alabama community, I will pursue knowledge, act with fairness, integrity and respect; promote equity and inclusion; foster individual and civic responsibility; and strive for excellence in all I do."

Academic Honor Pledge

"I promise or affirm that I will not at any time be involved with cheating, plagiarism, fabrication, or misrepresentation while enrolled as a student at The University of Alabama. I have read the Academic Honor Code, which explains disciplinary procedures that will result from the aforementioned. I understand that violation of this code will result in penalties as severe as indefinite suspension from the University."

Alma Mater

"Alabama, listen mother, to our vows of love. To thyself and to each other, faithful friends we'll prove. Faithful, loyal, firm and true, heart bound to hear will beat. Year by year, the ages through, until in heav'n we meet."

Get a Good Start: Connect and Engage

Make it your practice to attend class. Woody Allen said that "50% of success is showing up." If you are having difficulty with a class, please continue to attend. Our research shows that class absences and failure are closely related. It really matters that you are there.

At the beginning of each class, you receive a syllabus for the course. **READ IT!** The syllabus lets you know the expectations of the course, how you will be graded, any special policies, who your instructor is and how you can reach him or her, and assignment/test dates.

Ask questions. Talk to your teachers. Participate in your classes. Attend office hours!

Manage your time well. A calendar or planner of some sort and an alarm clock are essential. Give yourself time to think and reflect.

We strongly recommend two hours of study for every hour in class. This means 30 hours in preparation for 15 hours in class each week. Set a schedule that is realistic and stick with it. Find a quiet place to study.

Be Informed

1. **Check your Crimson e-mail multiple times each day! All University emails will be sent to your Crimson email. Be sure to include your name & CWID in any correspondence with your advisor and instructors! If you have another e-mail address that you want to keep, make sure your campus email messages are forwarded.**

2. **Use myBama.ua.edu.** This is **THE** source of information for you on University happenings, important dates on the academic calendar, and schedules and courses.

3. Attend **GET ON BOARD DAY!** Go to (http://thesource.ua.edu/gobd) to learn how you can get involved.

4. Follow the Engineering Advising Center on Twitter **@CoE_AAC**!

Get a Good Start:
IMPORTANT PLACES ON CAMPUS

Engineering Advising Center (students.eng.ua.edu/advising) Located in 290 Hardaway Hall, the Engineering Advising Center is the place to go for information regarding degree requirements, campus resource referrals, course registration, and more! **You may reach the Engineering Advising Center by calling 205-348-0750 or e-mailing coeadvising@ua.edu. Please put your major in the subject line.**

Pre-Professional Services Office. The Pre-Professional Services Office, located on the 2nd floor of Clark Hall, includes Pre-Law and all Pre-Health programs. While you cannot major in one of these areas, you should take advantage of the services available to follow one of the programs. The advisors and resources are available to help you become the most competitive applicant possible. Visit their websites at www.premed.ua.edu and www.prelaw.ua.edu!

Engineering Career Center. The Engineering Career Center is located on the 1st floor of Bevill Hall. Both the Engineering and UA Career Centers sponsor various workshops and job fairs throughout the year. The UA Career Center is located on the 3rd floor of the Ferguson Center (205-348-5848).

Center for Academic Success. (205-348-5175 or www.cas.ua.edu) - The Center for Academic Success (CAS), located in 124 Osband Hall, is used by many students and is an excellent resource. The CAS has special courses and workshops, study sessions before tests, and offers free tutoring.

Student Health Center (205-348-6262) and the UA Counseling Center (205-348-3863). Good health is important to your academic success. If you need medical attention, the Student Health Center is a great on-campus resource. The Health Center is located on 5th Avenue East next to the UA Rec Center Tennis Courts. The Counseling Center is located in the 1000 South Lawn Building (next to the Law School) and provides confidential counseling to students.

Other Important Campus Resources

Cooperative Education Program (Co-op). www.coop.eng.ua.edu (205-348-6422)

The Honors College. http://honors.ua.edu/ - 288 Nott Hall - (205-348-5500)

Office of Disability Services. http://ods.ua.edu/ - 133B Martha Parham East – (205-348-4285)

Veteran and Military Affairs. http://vets.ua.edu/ - 1 B.B. Comer Hall – (205-348-6770)

Office of Student Receivables. http://studentreceivables.ua.edu/ - 105 Student Services Center – (205-348-5350)

Financial Aid Office. www.financialaid.ua.edu – 106 Student Services Center – (205-348-6756)

Scholarships Office. www.scholarships.ua.edu – 203 Student Services Center - (205-348-8201)

The Registrar's Office. www.registrar.ua.edu – 206 Student Services Center – (205-348-2020)

Registration Tips

1. We recommend 12-15 hours for first semester freshmen – which equates to four or five classes.

2. You do not need three or four Honors level courses your first semester! The Honors College curriculum is structured so that a student can complete the 18 hours required within eight semesters – so spread them out!

3. Most classes are three or four credit hours. Introductory foreign language and natural science courses are four credit hours. Natural science courses will include a lab component.

4. Most classes meet three days a week MWF (Monday/Wednesday/ Friday) for 50 minutes or two days a week TR (Tuesday/Thursday) for 75 minutes. Introductory foreign language courses meet every day. Natural science courses have a lecture which meets two to three days a week plus a lab which meets separately. Students must register for both lecture and lab.

5. Chemistry (CH), Math (MATH), History (HY), Anthropology (ANT), and Speech (COM 123) require students to register for both a lecture and recitation or lab. The recitation is a smaller discussion group that meets once a week and is a discussion of the week's lecture.

6. Do not try to schedule all your classes on the same days. Try to schedule classes for both MWF and TR to learn which schedule works best for you. Students tell us they are not as productive and tend to waste more time on the days not spent in class.

7. It is ok to schedule back to back classes. Most buildings can be reached during the 10 - 15 minute break between classes. The exception to this is a class (like MUS 121) in the Moody Music Building.

8. If you end up in a class you feel is too challenging or if you just misjudged the course content, you may change your schedule during the first week of class. You may add a different course to your schedule if a seat in that class is available. You may also drop the course without it showing up as a "W" on your transcript during the first week. Schedule an appointment with your Engineering advisor to discuss dropping a course (students.eng.ua.edu/advising).

9. Prepare to study and go to class! Every hour in class requires two hours of independent study time. The one factor that is a constant for a good GPA is class attendance. Students who do poorly in their first semester consistently attribute it to not attending class. Remember these classes are for one semester only. **If you have an 8:00 class your first semester, it only lasts 15 weeks. Trust us, you will survive!!!!**

10. **Make advising a priority**. Advising in Engineering is mandatory each semester before a student can register for courses. You can schedule a one-on-one appointment, participate in e-advising, or attend walk-in advising each semester. To reach us, call 205-348-0750 or e-mail coeadvising@ua.edu. All e-mail correspondence sent from the advisors will be sent to your Crimson e-mail address!

College of Engineering

Academic Advising Syllabus

Engineering Student Services/Academic Advising Center

Office: 290 Hardaway Hall, Tuscaloosa, AL 35487
Hours: Monday- Friday, 8:00 AM to 4:45 PM **(closed 12-1:00 PM each day for lunch)**
Phone: (205) 348-0750
Website: http://students.eng.ua.edu/advising/

Our Mission
The College of Engineering Academic Advising Center's mission is to educate students on the importance of academic advising by fostering a working advisor-student partnership designed to support students in achieving academic and personal goals.

Our Vision
The College of Engineering Academic Advising Center's vision is to empower students to take ownership of their educational experiences by understanding and utilizing the resources available to them through communication and involvement with our office. We envision the advisor-student relationship to be one of mutual benefit and respect in order to cultivate and support learning opportunities throughout the entirety of a student's time at The Capstone. Students should leave the Academic Advising Center with confidence in their knowledge of their curriculum, their ability to create and execute their academic plan, and their potential for success.

Advising Resources
- The University of Alabama Undergraduate Catalog (http://courseleaf.ua.edu/)
- Engineering Major Flowcharts (http://students.eng.ua.edu/degrees/flowcharts/)
- myBama log-in website (https://mybama.ua.edu/cp/home/displaylogin)
- Degree Works on myBama Student Tab (http://degreeworks.ua.edu/)

Our Goals for YOU
The goals of the Academic Advising Center are for each student to:
- Understand how to use their major flowchart, Degree Works and Undergraduate Catalog in order to make sound academic plans.
- Take ownership in their academic experiences and communicate intentions with their advisor.
- Be excited about studying at The University of Alabama and to be inspired to continue to learn and grow beyond the classroom.

What you should expect from your advisor?
- Your advisor will be accessible during reasonable hours.
- Your advisor will provide accurate information and clarify curriculum requirements, graduation requirements, and university policies.
- Your advisor will listen to questions and concerns and take steps to provide information, offer support, and make referrals as needed.
- Your advisor will respect each student's right to privacy and discuss confidential information only with appropriate individuals.

What are you responsible for?

- Students should schedule advising appointments early each semester and regularly check their Crimson E-Mail.
- Students should monitor their own academic progress and seek guidance from their advisor, in order to stay on track and graduate in a timely manner.
- Students should learn their curriculum, and register for courses required for their major with the support and guidance of their advisor.
- Students should utilize campus resources, communicate with faculty, and seek opportunities to get involved on campus.
- Students should assume responsibility for their decisions and actions.

Your Advising Appointment

- Advising in the College of Engineering is mandatory each semester. Therefore, students will not be able to register for courses until they speak with an advisor.
- It is imperative that students schedule their advising appointments early. Students can schedule:
    1. Online: http://students.eng.ua.edu/advising/;
    2. In-person: stop by 290 Hardaway Hall; OR
    3. By calling: (205) 348-0750.
- If you know that you will be unable to attend an appointment, please cancel or reschedule. Cancelling or rescheduling allows your advisor to give your appointment slot to another student.
- To maximize your time with your advisor, we ask that you turn off or silence your cell phone before you come into your advising appointment.
- Be an active participant in the advising experience. Come prepared to your appointment with questions, your major flowchart, and knowledge of courses you need to take. Also, feel free to discuss your academic and personal goals.

Important Dates

You will be receiving emails to your Crimson e-mail account regards advising options and important dates. We encourage all of our students to utilize the *Academic Calendar* available on the Registrar's Office website as well**:** http://registrar.ua.edu/academiccalendar/. Remember that **you**, and not your advisor, bear the ultimate responsibility to scheduling an advising appointment and adhering to University deadlines, policies, and procedures.

Classification of Students

- **Freshman** 0-30 semester credit hours earned
- **Sophomore** 31-60 semester credit hours earned
- **Junior** 61-90 semester credit hours earned
- **Senior** 91 or more semester credit hours earned

Keep In Mind…

Many situations arise throughout a student's academic experience in which knowledgeable academic advice can be very helpful. Please be sure to communicate with your advisor early and often, as we are here to help you through each stage of your academic career here at The Capstone.

Credit by Examination

***Credit by examination and credit for several types of out-of-class experiences are recognized by The University of Alabama. Credits can be earned through successful completion of one of the standardized national exams including, but not limited to, Advanced Placement (AP), the International Baccalaurate (IB) program, and the College Level Examination Program (CLEP).**

****Credit hours earned by examination are not considered University of Alabama institutional coursework; therefore, they are not included in the below policies: A minimum of 50% of coursework required to earn a bachelor's degree at UA must be earned at a bachelor's degree granting institution (four year college or university), and a minimum of 25% of coursework required for your degree must be earned at The University of Alabama.**

AP Credit Table (cont'd page 10)

Examination	Minimum Score	UA Course Equivalent	Credit	Core Designation
Art History	4	ARH 252 & ARH 253	6	FA
Art, Studio (2-D Design, 3-D Design or Drawing Portfolio)	4	ART 110, ART 130, ART 131, and/or ART 197	3-6°	
Biology	3	BSC 108 & BSC 109	8	N
Biology	4	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Calculus AB	3	MATH 125	4	MA
Calculus BC	3	MATH 125 & MATH 126	8	MA
Calculus BC- AB Subscore	3	MATH 125	4	MA
Chemistry	3	CH 104	4	N
Chemistry	4	CH 101	4	N
Chemistry	5	CH 101 & CH 102	8	N
Chinese Language & Culture[1]	3	CHI 101 & CHI 102	8	FL/HU
Chinese Language & Culture[1]	4	CHI 101, CHI 102 & CHI 201	11	FL/HU
Chinese Language & Culture[1]	5	CHI 101, CHI 102, CHI 201 & CHI 202	14	FL/HU
Computer Science A	4	CS 100	4	
English Language & Composition	3	EN 101	3	FC
English Language & Composition	4	EN 101 & EN 102	6	FC
English Literature & Composition	3	EN 101	3	FC
English Literature & Composition	4	EN 101 & EN 102	6	FC
If both English AP tests are completed[2]	3	EN 101 & EN 102	6	FC
If both English AP tests are completed[2]	4	EN 101, EN 102 & TRGS HU	9	FC
Environmental Science	3	GEO 105	4	N
European History	4	HY 101 & HY 102	6	HI
French Language & Culture[1]	3	FR 103	4	FL/HU
French Language & Culture[1]	4	FR 103 & FR 201	7	FL/HU
French Language & Culture[1]	5	FR 103, FR 201 & FR 202	10	FL/HU
German Language & Culture[1]	3	GN 103	4	FL/HU
German Language & Culture[1]	4	GN 103 & GN 201	7	FL/HU
German Language & Culture[1]	5	GN 103, GN 201 & GN 202	10	FL/HU
Government & Politics: Comparative	3	PSC 203	3	
Government & Politics: U.S.	3	PSC 101	3	SB
Human Geography	3	GY 110	3	SB
Italian Language & Culture[1]	3	IT 101 & IT 102	8	FL/HU
Italian Language & Culture[1]	4	IT 101, IT 102 & IT 201	11	FL/HU

Italian Language & Culture[1]	5	IT 101, IT 102, IT 201 & IT 202	14	FL/HU
Japanese Language & Culture[1]	3	JA 101 & JA 102	8	FL/HU
Japanese Language & Culture[1]	4	JA 101, JA 102 & JA 201	11	FL/HU
Japanese Language & Culture[1]	5	JA 101, JA 102, JA 201 & JA 202	14	FL/HU
Latin[1]	3	LA 101 & LA 102	6	FL/HU
Latin[1]	4	LA 101, LA 102 & LA 201	9	FL/HU
Latin[1]	5	LA 101, LA 102, LA 201 & LA 202	12	Fl/HU
Macroeconomics[3]	4	EC 111	3	SB
Microeconomics[3]	4	EC 110	3	SB
Music Theory	3	TRGS HU	3	HU
Physics 1 (New Fall 2014)	3	PH 101	4	N
Physics 2 (New Fall 2014)	3	PH 102	4	N
Physics B	3	PH 101 & PH 102	8	N
Physics C: Mechanics	3	PH 105	4	N
Physics C: Electricity and Magnetism	3	PH 106	4	N
Psychology	3	PY 101	3	SB
Spanish Language & Culture[1]	3	SP 103	4	FL/HU
Spanish Language & Culture[1]	4	SP 103 & SP 201	7	FL/HU
Spanish Language & Culture[1]	5	SP 103, SP 201 & SP 202	10	FL/HU
Spanish Literature & Culture[1]	3	SP 103	4	FL/HU
Spanish Literature & Culture[1]	4	SP 103 & SP 201	7	FL/HU
Spanish Literature & Culture[1]	5	SP 103, SP 201 & SP 202	10	FL/HU
Statistics	3	ST 260	3	C
U.S. History	4	HY 103 & HY 104	6	HI
World History	4	TRGS HI	6	HI

CLEP Credit Table (cont'd page 11)

CLEP Subject Examination	Min. Score	UA Course Equivalent	Credit	Core Designation
History of the United States I: Early Colonization to 1877	52	HY 103	3	HI
History of the United States II: 1865 to the Present	52	HY 104	3	HI
Human Growth & Development	52	HD 101	3	SB
Principles of Macroeconomics	50	EC 111	3	SB
Principles of Microeconomics	50	EC 110	3	SB
Introductory Psychology	54	PY 101	3	SB
Introductory Sociology	52	SOC 101	3	SB
Western Civilization I: Ancient Near East to 1648	52	HY 101	3	HI
Western Civilization II: 1648 to Present	52	HY 102	3	HI
French, Level 1 and Level 2	Score of 50–55	FR 101 & FR 102	8	FL/HU
French, Level 1 and Level 2	Score of 56–61	FR 201	11	
French, Level 1 and Level 2	Score of 62–80	FR 202	14	
German, Level 1 and Level 2	Score of 50–55	GN 101 & GN 102	8	FL/HU
German, Level 1 and Level 2	Score of 56–62	GN 201	11	
German, Level 1 and Level 2	Score of 63–80	GN 202	14	
Spanish, Level 1 and Level 2	Score of 48–	SP 101 & SP 102	8	FL/HU

	51			
Spanish, Level 1 and Level 2	Score of 52–55	SP 201	11	
Spanish, Level 1 and Level 2	Score of 56–80	SP 202	14	
Biology (non-majors)	50	BSC 108	4	N
Biology (non-majors)	57	BSC 108 & BSC 109	8	N
Biology	60	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Chemistry	52	CH 101 & CH 102	8	N
Calculus with Elementary Functions	52	MATH 125	4	MA
Information Systems and Computer Applications	50	CS 102	3	
Introductory Business Law	50	LGS 200	3	

*FR 101/102, GN 101/102, and SP 101/102 must be considered units. No credit is given for FR 101, GN 101, or SP 101 alone, or for scores less than those listed above.

IB Credit Table

Examination	Minimum Score	UA Course Equivalent	Credit	Core Designation
GROUP 1				
Language A: Literature	5	EN 101 & EN 102	6	FC
Language A: Language & Literature	5	EN 101 & EN 102	6	FC
If both IB Language A tests are completed*	5 on both	EN 101, EN 102, and 3 hours of TRGS HU	9	FC, HU
GROUP 2: LANGUAGE B COURSES				
Arabic	5	ARB 101 & ARB 102	8	FL
Chinese	5	CHI 101 & CHI 102	8	FL/HU
French	5	FR 101 & FR 102	8	FL/HU
German	5	GN 101 & GN 102	8	FL/HU
Greek	5	GR 101 & GR 102	8	FL/HU
Italian	5	IT 101 & IT 102	8	FL/HU
Japanese	5	JA 101 & JA 102	8	FL/HU
Latin	5	LA 101 & LA 102	6	FL/HU
Portuguese	5	POR 101 & POR 102	8	FL
Russian	5	RUS 101 & RUS 102	8	FL/HU
Spanish	5	SP 101 & SP 102	8	FL/HU
GROUP 3				
Economics	5	EC 110 & EC 111	6	SB
Geography	5	GY 102	4	N
History: World	5	HY 101 or HY 102	3	HI
History: U.S.	5	HY 103 or HY 104	3	HI
Philosophy	5	PHL 100	3	HU
Psychology	5	PY 101	3	SB
Social & Cultural Anthropology	5	ANT 102	3	SB
GROUP 4				
Biology	5	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Chemistry	5	CH 101 & CH 102	8	N
Computer Science	5	CS 100	4	
Physics	5	PH 105 & PH 106	8	N

GROUP 5				
Mathematics	5	MATH 115 & MATH 125	7	MA
GROUP 6				
Theatre	5	TH 114	3	FA
Visual Arts	5	ART 110, ART 130, ART 131, and/or ART 197	3-6	

*Students scoring a 5 or better on both the Language A: Literature and Language A: Language & Literature exam will receive credit for EN 101, EN 102, and 3 hours of TRGS HU.

AICE Credit

AICE Subject	Grade	UA Course Equivalent	Credit	Core Designation
Accounting (AS-Level)	A - E	AC 197	3	
Accounting (A-Level)	A - E	AC 197	3-6	
Art and Design (AS-Level)	A - E	ART 110, ART 130, ART 131, and/or ART 197	3°	
Art and Design (A-Level)	A - E	ART 110, ART 130, ART 131, and/or ART 197	3-6°	
Biology (AS-Level)	A - E	BSC 108	4	N
Biology (A-Level)	A - E	BSC 114, BSC 115, BSC 116 &BSC 117	8	N
Business Studies (AS-Level)	A - E	GBA 197	3	
Business Studies (A-Level)	A - E	GBA 197	6	
Chemistry (AS-Level)	A - E	CH 197	4	
Chemistry (A-Level)	A - E	CH 101 and CH 197	8	N
Classical Studies (AS-Level)	A - E	CL 197	3	
Computing (AS-Level)	A - E	CS 197	3	
Computing (A-Level)	A - E	CS 197	6	
Design and Technology (AS-Level)	A - E	CTD 197	3	
Design and Technology (A-Level)	A - E	CTD 197	6	
Economics (AS-Level)	A - E	EC 197	3	
Economics (A-Level)	A - E	EC 110 and EC 111	6	SB
English Language (AS-Level)	A - E	EN 101	3	FC
Environmental Management (AS-Level)	A - E	GY 197	3	
French Language (AS-Level)	A - E	FR 101	4	FL
French Language (A-Level)	A - E	FR 101 and FR 102	8	FL
French Literature (AS-Level)	A - E	FR 197	3	
Further Mathematics (A-Level)	A - E	MATH 125 and MATH 126	8	M
General Paper (AS-Level)	A - E	NEW 197	3	
Geography (AS-Level)	A - E	GY 105	3	SB
Geography (A-Level)	A - E	GY 102 and GY 197	7	N
German Language (AS-Level)	A - E	GN 101	4	FL

German Language (A-Level)	A - E	GN 101 and GN 102	8	FL
History (AS-Level)	A - E	HY 197	3	
History (A-Level)	A - E	HY 197	6	
Language and Literature in English (AS-Level)	A - E	EN 101	3	FC
Latin (AS-Level)	A - E	LA 101	3	FL
Literature in English (AS-Level)	A - E	EN 101 and EN 102	6	FC
Marine Science (AS-Level)	A - E	BSC 197	3	
Marine Science (A-Level)	A - E	BSC 197	6	
Mathematics (AS-Level)	A - E	MATH 115	3	M
Mathematics (A-Level)	A - E	MATH 125 and MATH 197	7	M
Music (AS-Level)	A - E	MUS 197	3	
Music (A-Level)	A - E	MUS 121 and MUS 197	6	FA
Physics (AS-Level)	A - E	PH 197	4	
Physics (A-Level)	A - E	PH 101 and PH 102	8	N
Psychology (AS-Level)	A - E	PY 101	3	SB
Psychology (A-Level)	A - E	PY 101 and PY 197	6	SB
Sociology (AS-Level)	A - E	SOC 101	3	SB
Sociology (A-Level)	A - E	SOC 101 and SOC 197	6	SB
Spanish Language (AS-Level)	A - E	SP 101	4	FL
Spanish Language (A-Level)	A - E	SP 101 and SP 102	8	FL
Spanish Literature (AS-Level)	A - E	SP 197	3	
Thinking Skills (AS-Level)	A - E	PHL 197	3	
Thinking Skills (A-Level)	A - E	PHL 197	3	

[0] Decision based on review of portfolio by Department of Art and Art History

College & University Degree Requirements (courseleaf.ua.edu)

It is very important for students to read the catalog, especially the sections on Student Records and Academic Policies, and the College of Engineering section. The following is just a summary of important requirements.

Hours: Students are expected to complete a minimum of 120 hours. Some majors and programs may require more than 120 hours. They are expected to complete the requirements for general education, for a major, for a minor (if required), and other coursework to achieve the minimum hours required for degree.

Grade Point Average: To graduate, students must have a 2.0 GPA in all UA course work and a 2.0 GPA in the total number of higher education courses. **They must also have earned a 2.0 GPA in the major(s), and a 2.0 GPA in the minor(s).** The grade point average is computed by dividing earned quality points by the hours attempted (quality hours).

College of Engineering - Core Curriculum/General Education Requirements

- Nine semester hours of humanities, literature, and fine arts **(HU, L, & FA)** area courses. Six semester hours are required in a discipline (ARH 151/ARH 253 or MUS 121/MUS 250 for example) which completes the depth study requirement. There are no mandatory general education requirements for literature or fine arts.
- Nine semester hours of courses in the areas of history and social/ behavioral sciences **(HI/SB)**. May make depth study out of HI/SB electives instead of HU/L/FA's. History may be included in depth courses.
- Twelve semester hours of natural sciences **(N)** and mathematics **(MA)** area courses to include eight semester hours of calculus-based physics, including two hours of laboratory; and mathematics at the MATH 125 level and higher.
- Either six hours of foreign language **(FL)** or computer **(C)** are required in addition to the humanities requirement. **FL** can count as **HU** credit if six hours of **C** courses are earned.
- The computer "C" designated courses are automatically built into your major's curriculum, and you do not need to take additional "C" courses to meet this requirement.

If a course is not on the attached lists of HU, L, FA or HI/SB courses, the course will not count toward one of your core curriculum requirements. **No exceptions will be made.** Listings of HU, L, FA and HI/SB courses may be found on the UA Registrar's website – registrar.ua.edu.

Course Placement & Transfer Information

In English

- EN 103 Advanced English Composition is an accelerated freshman composition course open to students with ACT composite scores of 28 (or 30 for English) and above or SAT scores of 1250 (or 720 verbal) and above. With a grade of C- or higher at the completion of the course, placement credit is awarded for EN 101 (English Composition) and the general studies requirement for freshman composition is completed.

In Mathematics

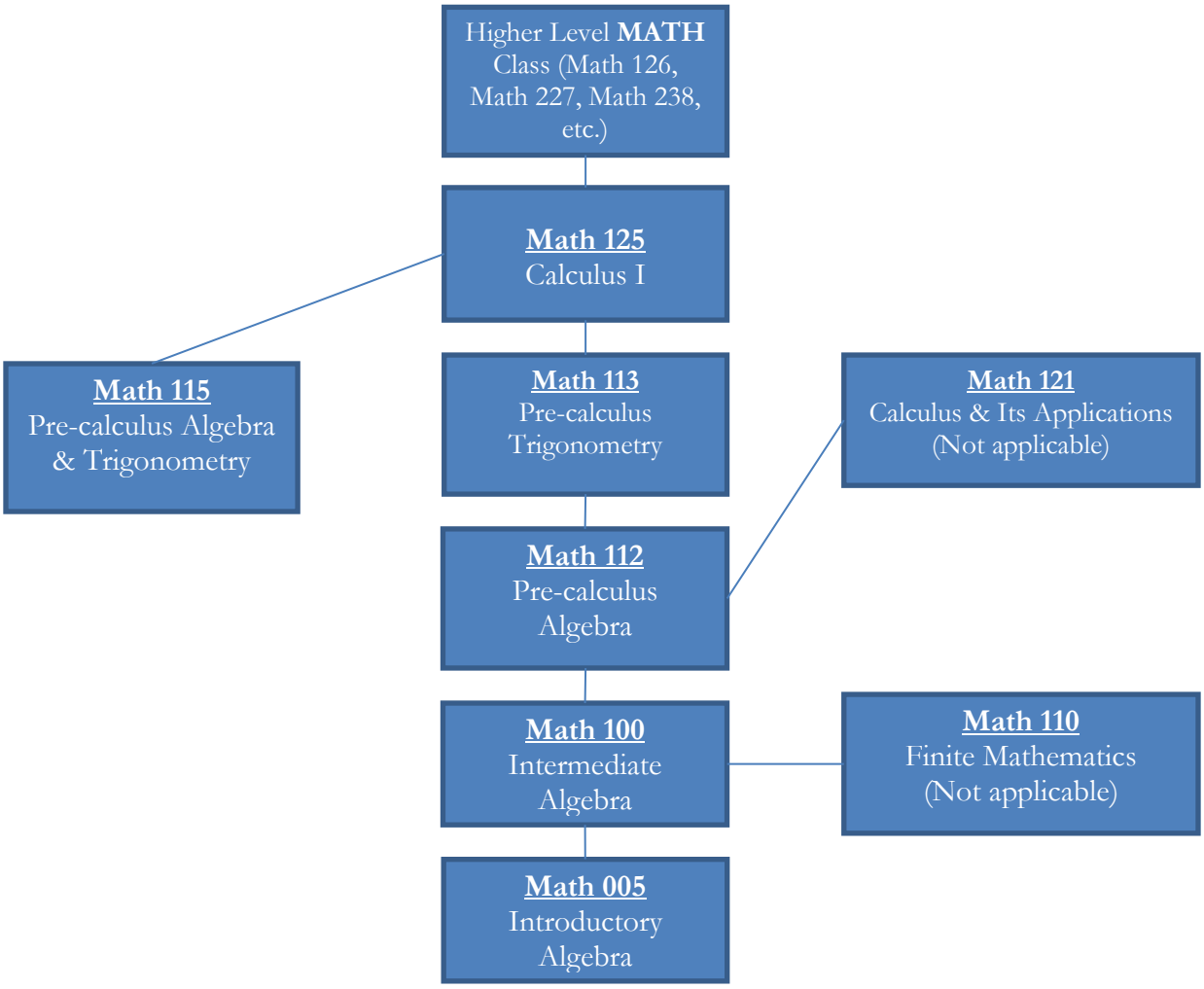
- For those students who do not have credit for any college-level mathematics equivalent to UA mathematics courses, placement is determined by ACT or SAT scores in mathematics. If students are not pleased with their placement based on their ACT or SAT mathematics scores, they may take the UA Math Placement Assessment through the Office of Testing Services. The Math Placement Assessment may be taken twice. The first attempt may be completed online. The second attempt must be taken at the Testing Center. Please visit www.testing.ua.edu for more information.

Transfer Credit

- Transfer credit is accepted from all accredited institutions including in-state and out-of-state, four year schools, and junior colleges. Equivalencies, based on available course descriptions, are determined by course content and level. For questions regarding transfer credit, please contact the Transfer Credit Center in The University of Alabama Office of University Registrar located in 206 Student Services Center.
- Courses from another school will be evaluated to match equivalent UA course numbers. The 197/397 designation is given to courses for which UA does not have an exact equivalent. The 197 designation is given to lower-level courses while the 397 designation is given for upper-level courses. All non-specific courses are considered electives.
- Official transcripts should be sent to the mailing address below:

The University of Alabama
Office of the University Registrar
206 Student Services Center
Box 870134
Tuscaloosa, AL 35487-0134

UA Introductory Math Courses



Placement Using ACT Math Score

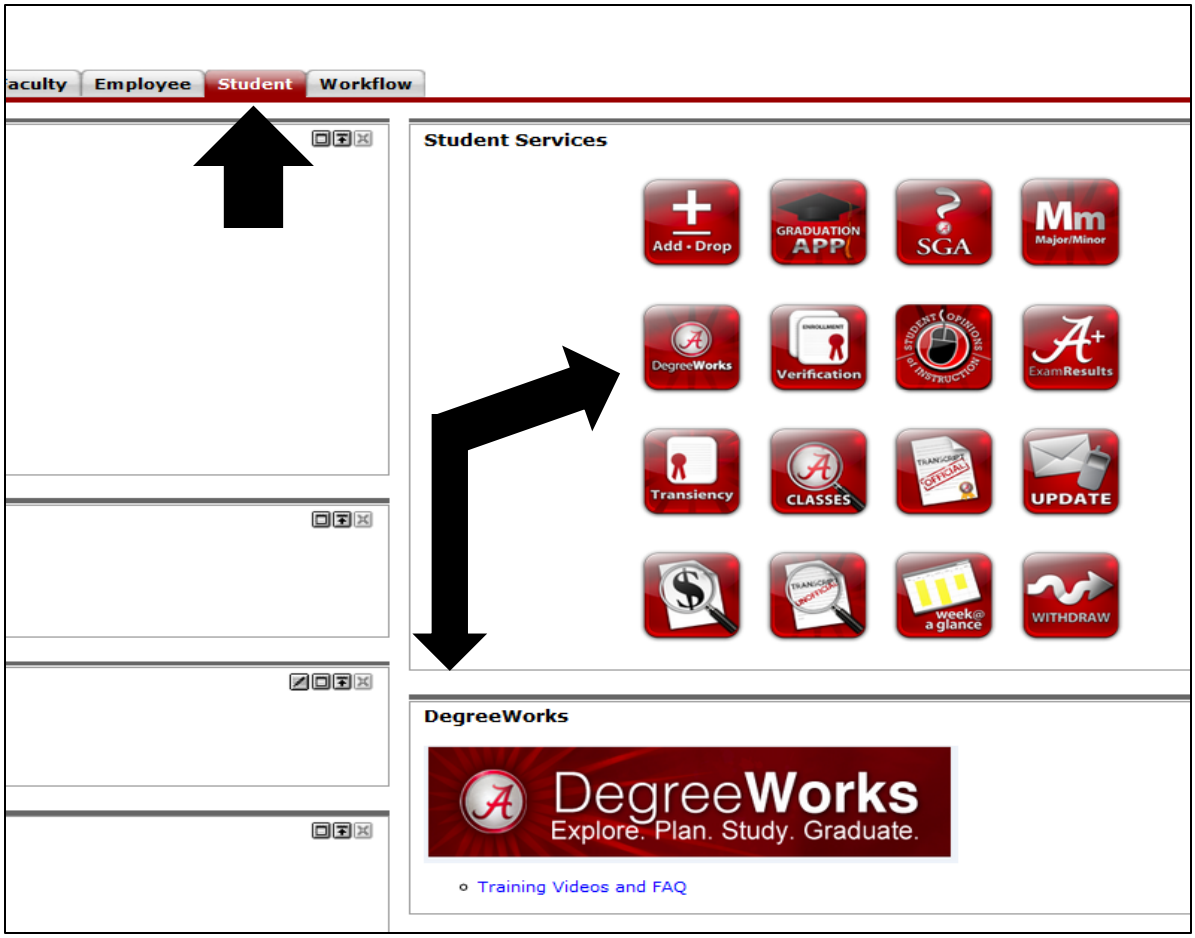
Placement	Minimum Score
Math 005	0
Math 100 or 110	18
Math 112	24
Math 115	29
Math 121 or 125	30 (or a 29 and passing high school calculus)

Placement Using SAT Math Score

Placement	Minimum Score
Math 005	0
Math 100 or 110	440
Math 112	560
Math 115	650
Math 121 or 125	680 (or a 650 and passing high school calculus)

DegreeWorks

DegreeWorks is an academic planning tool designed to help you know at all times how the courses you have taken satisfy graduation requirements. DegreeWorks should be used in conjunction with your advisor and the Engineering flow charts. To access DegreeWorks, log onto your Mybama, click on your Student Tab and then click on the DegreeWorks banner in the center of the screen.



Before you access DegreeWorks, spend a few minutes watching the training videos and reading the frequently asked questions to learn about the features of the program. DegreeWorks is a great tool to help you graduate, change majors, add a minor, or keep up with semester graduation plans. DegreeWorks can only help if you learn how to use it and then actually use it.

Worksheet Tab

When you access DegreeWorks the immediate screen that pulls up is the "Worksheets" tab. In the first block you will see all of your basic information: Name, CWID, Classification, Degree Program etc. Pay close attention to the Academic Standing, Registration holds and Alternate PIN tabs. Each block will tell you important information regarding registration holds, suspension, academic warning, and advising status.

Student Name	[redacted]	Academic Standing	Good Standing	Major	Electrical Engineering
CWID	[redacted]	Registration Holds		Concentration	
Classification	Junior	Graduation Holds		Minor	
Level	Undergraduate	Alternate Pin Cleared	Yes	Overall Credits Earned	76
College	Engineering	Special Programs		UA Credits Earned	12
Degree	B S in Electrical Engineering	Math Placement	MATH 005	Transfer Credits Earned	64
Catalog	2012-2013	Admit Type		Overall GPA	3.303
Campus Code	Main Campus (Tuscaloosa)	Advisor		UA GPA	2.250

Degree Block

The Degree block will show you how many hours must be earned and which sections of your degree have been completed or are insufficient.

Bachelor of Science in Electrical Engineering		Catalog Year: 2012-2013	Credits Required: 125
		GPA: 3.286	Credits Applied: 81
Unmet conditions for this set of requirements:		A minimum of 32 credits must be taken in residence. 125 credits are required. You currently have 81, you still need 44 more credits.	
☑ 2.0 Overall GPA Requirement Met			
☑ 2.0 UA GPA Requirement Met			
☐ General Education Requirements	Still Needed:	See **General Education - Engineering** section	
☐ Pre-Calculus Mathematics	Still Needed:	See **Engineering Precalculus Mathematics Requirements** section	
☐ Engineering - Electrical Track	Still Needed:	See **Engineering - Electrical Track** section	
☐ Ancillary Courses in Electrical Engineering	Still Needed:	See **Ancillary Requirements in Electrical Engineering** section	
☐ Professional Course Requirements	Still Needed:	See **Professional Courses in Electrical Engineering** section	

DegreeWorks Blocks

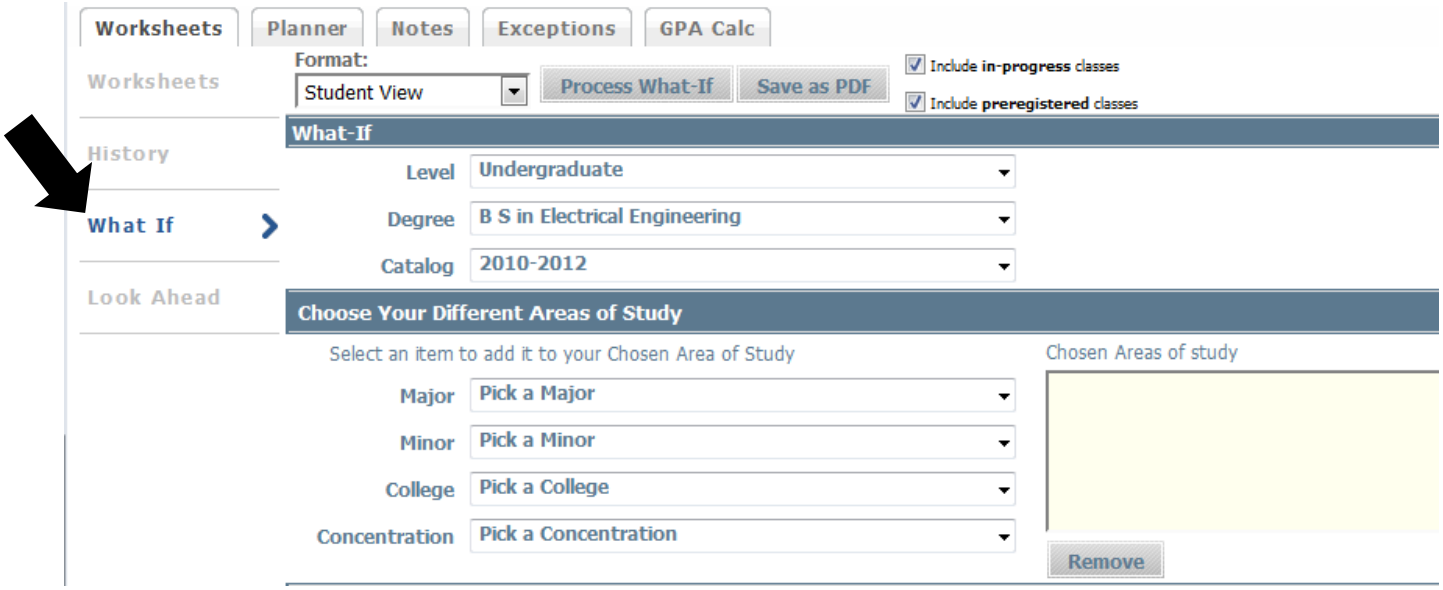
DegreeWorks is separated into education blocks. Minors and double majors will fill in separate blocks before the Elective course block. Each block will tell you what courses are required to complete your degree requirements. Some blocks will share the same classes. For example: PH 105 may show up in the *Natural Science* section of the General Education block and the Basic Courses in Engineering block. This is because PH 105 counts as a natural science but is also required for most Engineering degrees. The Professional Courses block displays all of the core courses for an Engineering degree.

Professional Courses in Electrical Engineering	Catalog Year:	2012-2013	Credits Required:	55
	GPA:	3.000	Credits Applied:	10
Unmet conditions for this set of requirements:	55 to 58 credits are required You currently have 10, you still need at least 45 more credits			

Professional Courses in Electrical Engineering					
FUND OF ELECTRICAL & COMPUTER ENG REQUIREMENT					
Fund of Electrical & Computer Engineering I & II	ECE 121	Fund. of Elec. & Comp. Eng I	C-	1	Fall 2012
	ECE 131	Fund. of Elec. Comp. Eng. II	A+	1	Fall 2012
Electric Circuits	ECE 225	Electric Circuits	IP	(3)	Summer 2013
Programming for Electrical & Comp Eng	ECE 285	Programing for Elec/Comp Eng	IP	(2)	Summer 2013
Electric Networks	Still Needed:	1 Class in ECE 326*			
Electronics I	Still Needed:	1 Class in ECE 332*			
Electronics II	Still Needed:	1 Class in ECE 333*			
Electromagnetics	Still Needed:	1 Class in ECE 340*			
Electromechanics	Still Needed:	1 Class in ECE 350*			
Signals & Systems	Still Needed:	1 Class in ECE 370*			
Digital Logic	Still Needed:	1 Class in ECE 380*			
Microcomputers	Still Needed:	1 Class in ECE 383*			
Capstone Design I	Still Needed:	1 Class in ECE 492*			
Capstone Design II	Still Needed:	1 Class in ECE 494*			
ECE Electives	Still Needed:	9 Credits in ECE 404* or CS 438* or ECE 408* or 430* or 432* or 434* or 435* or 438* or 439* or 440* or 445* or 451* or 452* or 453* or 455* or 461* or 462* or 463* or 466* or 475* or 479* or 480* or 482* or 484* or 485* or 486*			
ECE Labs	Still Needed:	2 Credits in ECE 409* or 452* or 454* or 476* or 481 or 487*			

What- If

The "What-If" option on the DegreeWorks Worksheet tab is an extremely helpful tool when you want to look at changing your major within Engineering or to a new College. The page will show you a new audit and where your current courses fulfill the new major.

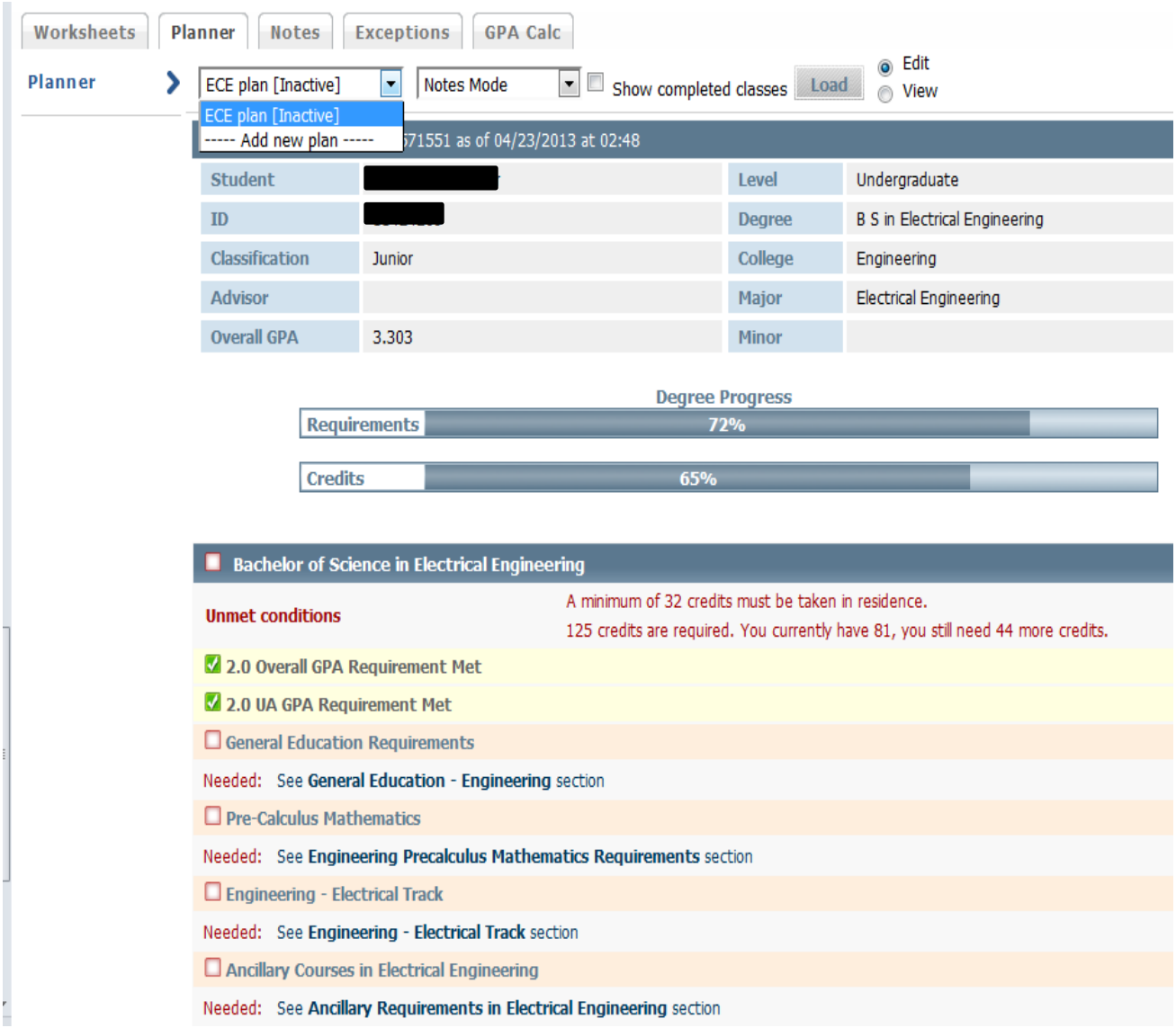


Once you choose a different major, either within Engineering or in another College on campus, hit the "process what-if" button and a new "what-if" audit will appear to show you what credits will or will not count for the new degree program.

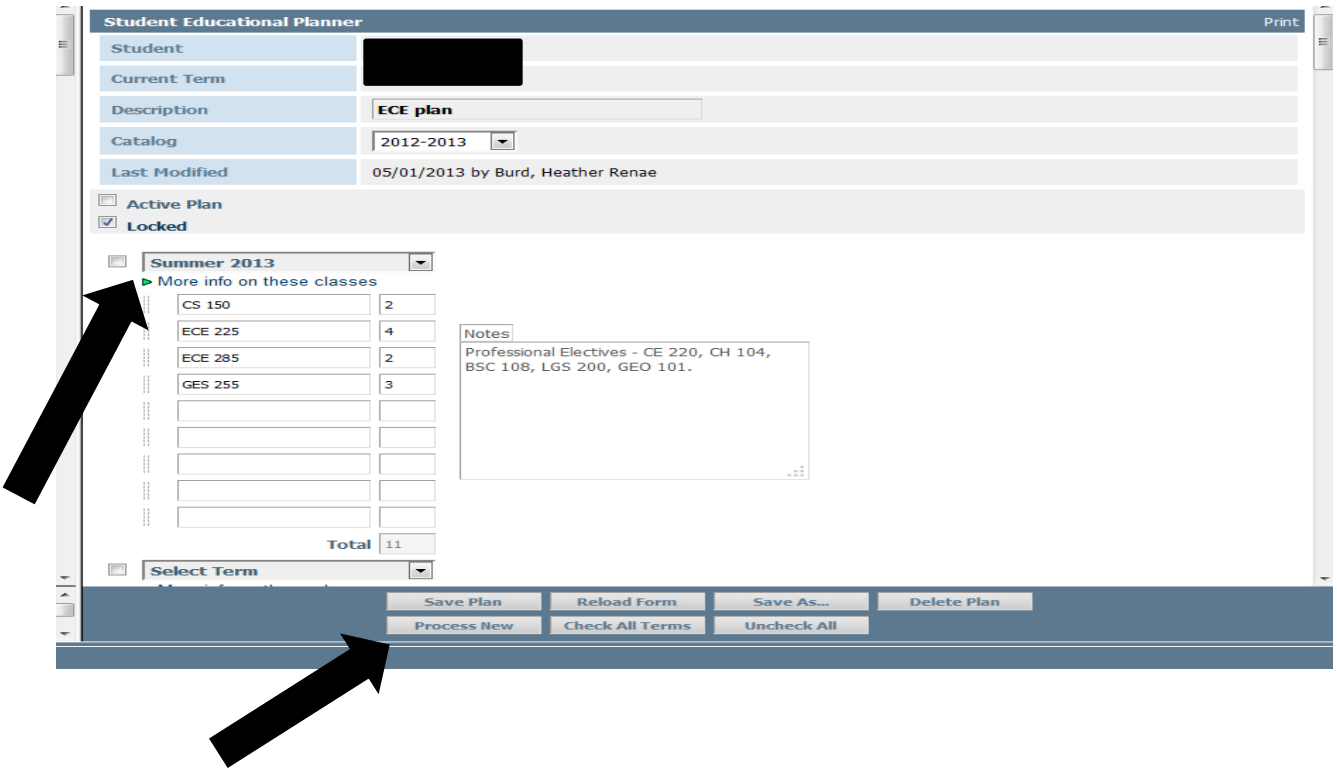
Planner

The DegreeWorks planner allows you and your academic advisor to "plan" out your graduation plan by each semester. The plans can be updated, deleted, and modified depending on degree progress. The plan is divided into two screens; the audit and the semester by semester plan. Students and Advisors can create new plans or edit current plans using the drop down box.

Left Side – audit



Right side – semester by semester plan



A great feature of the planner is to lay out your courses semester by semester, click the semester check box, then click on "Process New." The planner will process your "planned courses" into the audit and show you whether you have missed any courses on your "plan to graduation."

Tips for Success from Engineering Students

1. Go to class! You will not die if your classes begin at 8AM on a Friday during football season.

2. Eat and sleep. May seem like common sense, but you have to make time for both.

3. ALWAYS introduce yourself to your professor! If your professor knows who you are, they're less intimidating and much more willing to help when you need it. Go to office hours!

4. You'll likely find yourself in large classes and it's up to you to differentiate yourself. Don't just be part of the crowd. Build a positive reputation with peers, TA's, and your faculty. You'll succeed and have doors opened to many great opportunities.

5. Get to know your advisor and schedule regular advising appointments. Advisors are there to help you find the best route from your first class to graduation and offer insight as to which classes to take to graduate expediently without overburdening yourself. The more prepared you are before you walk in to the appointment, the more you will get out of your advising session!

6. Plan ahead. Invest in a planner and stick to it. Make sure to update deadlines. This will help minimize procrastination and will allow you to see where you have time to fit in extracurricular activities!

7. Be ready to work hard, much harder than you ever had to in high school. But make time for things other than school – enjoy your college experience and get involved! It's all about balance.

8. Take a manageable freshman year schedule. Starting with a strong GPA takes off the pressure a bit when it comes to the tougher courses. Remember, it's much harder to salvage a GPA than to maintain a great one.

9. Get to know people early on in your Engineering courses. Having friends will help with networking and finding study groups to prepare for class. You may want some of these people to be in your lab group or present a presentation with in upper level courses.

10. If you don't understand a topic or concept, don't brush it off. Take the time and energy to learn it. Brushing it off will only come back to hurt you at a later day.

11. Join a chapter of your professional society to learn more about the field, gain exposure to recruiters, and meet like-minded people (American Society of ____Engineers, Society of Women Engineers, etc.).

12. Don't give up! Take a deep breath and remind yourself why you're doing what you're doing, how far you've come, and where you've still got to go. College has its highs and lows for everyone, but don't let a bad test or rough day keep you down.

13. You're not the first person to go through college, nor will you be the last. You have every reason to succeed and there are countless people who want to help you along the way. Stay dedicated to your studies and remember, just roll with the tide!

Engineering Student Organizations

Ambassadors of the College of Engineering (ACES) – The Ambassadors of the College of Engineering use their passion and enthusiasm for engineering to serve as the official student representatives of the College of Engineering. They function as the hosts and hostesses for engineering functions, Capstone Engineering Society alumni events and prospective student recruiting functions. The student chapter adviser is Lynsey Dill.

American Institute of Aeronautics and Astronautics – The American Institute of Aeronautics and Astronautics is the world's largest technical society dedicated to the global aerospace profession. The student chapter adviser is Dr. Mike Freeman. For additional information, visit the National AIAA Website.

American Institute of Chemical Engineers – The AIChE offers students the opportunity to learn more about the chemical engineering profession and meet potential employers. The student chapter adviser is Dr. Steve Ritchie. For additional information, visit the National AIChE Website.

American Society of Civil Engineers – The American Society of Civil Engineers represents more than 140,000 members of the civil engineering profession worldwide and is America's oldest national engineering society. The student chapter adviser is Dr. Derek Williamson. For additional information, visit the National ASCE Website.

American Society of Mechanical Engineers – The American Society of Mechanical Engineers was founded in 1880 by a small group of leading industrialists and has grown through the decades to include more than 120,000 members in more than 150 countries. The student chapter adviser is Dr. Beth Todd. For additional information, visit the National ASME Website.

Associated Builders and Contractors – Associated Builders and Contractors is a national association with 75 chapters representing 23,000 merit shop construction and construction-related firms with nearly 2 million employees. ABC's membership represents all specialties within the U.S. construction industry and is comprised primarily of firms that perform work in the industrial and commercial sectors of the industry. The student chapter adviser is Dr. Ed Back. For additional information, visit the National ABC Website.

Association for Computing Machinery – UA's student chapter for computer science. Activities include an annual programming contest and regular meetings with guest speakers. The student chapter adviser is Dr. Monica Anderson. For additional information, visit the National ACM Website.

Institute of Electrical and Electronics Engineers – IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. The student chapter adviser is Dr. Patrick Kung. For additional information, visit the National IEEE Website.

Institute of Transportation Engineers – The Institute of Transportation Engineers is an international educational and scientific association of transportation professionals responsible for meeting mobility and safety needs. Through its products and services, ITE promotes professional development of its members, supports education, stimulates research, develops public awareness programs and serves as a conduit for the exchange of professional information. The student chapter adviser is Dr. Steven Jones.

Material Advantage Student Program – The Material Advantage Student Program is the premier membership option for students wanting to make the most of their materials engineering experience. Material Advantage provides a single low-cost membership with access to the materials science and engineering professional's most preeminent societies, including TMS, ASM International, ACerS and AIST. For additional information, visit the National Material Advantage Website.

National Society of Black Engineers – The National Society of Black Engineers, with more than 29,900 members, is one of the largest student-governed organizations in the country. Founded in 1975, NSBE now includes more than 394 college, pre-college and technical professional/alumni chapters in the United States and abroad. The student chapter adviser is Greg Singleton. For additional information, visit the National NSBE Website.

Society of Automotive Engineers – SAE International is a global association of more than 128,000 engineers and related technical experts in the aerospace, automotive and commercial-vehicle industries. UA students also compete as a team in the Formula SAE Collegiate Design Series. Visit the UA Formula SAE Crimson Racing site for more information. The student chapter adviser is Dr. Paul Puzinauskas. For additional information, visit the National SAE Website.

Society of Engineers in Medicine – The Society of Engineers in Medicine (SEM) is an organization dedicated to engineering students interested in pursuing a career in the medical field or biomedical technologies after graduation. The purpose of this organization is to further the development of engineers interested in medicine and its related fields through a support network, medical opportunities and aid in the pursuit of knowledge of leaders, researchers and engineers. The student chapter adviser is Dr. Chris Brazel.

Society of Women Engineers – The Society of Women Engineers (SWE) is a non-profit educational and service organization that empowers women to succeed and advance in the field of engineering along with help recognize their life-changing contributions as engineers and leaders. The student chapter adviser is Dr. Beth Todd. For additional information, visit the National SWE Website.

Student Engineers in Action – Student Engineers in Action, SEA, engages the local community and travels worldwide with the belief that its members can positively impact the lives of others through the design and implementation of sustainable engineering projects. SEA continually strives to grow our organization and build on the success of previous years. The student chapter advisers are Dr. Pauline Johnson and Dr. Philip Johnson.

Pre-Professional Information

- For anyone interested in pursuing a **Pre-Health Professions**, please visit prehealth.ua.edu. This website will include course requirement information, student organization meeting calendars, and useful information on the application process!
- Get to know your Health Professions Advisor by visiting their offices in 200 Clark Hall!
- Get involved early! There are numerous pre-health student organizations to join including, Alpha Epsilon Delta (AED), Pre-Dental Society, and the Pre-Pharmacy Society!

- For those interested in the **Pre-Law program**, please visit prelaw.ua.edu. This website will include course specific information, a timeline for application and exams, etc.
- To make an appointment to meet with a Pre-Law advisor, please stop by 200 Clark Hall!
- Make plans to join the Pre-Law Student Association (PLSA) and attend the monthly meetings!

PROFESSIONAL E-MAIL CORRESPONDENCE

We use e-mail and text messaging to communicate with friends and family and to chat informally with our peers. While we may be unguarded in our tone when we e-mail friends, a professional tone should be maintained when communicating with employers and other professional contacts. This applies to messages sent through Facebook as well.

Be aware that electronic mail is often the preferred method of communication between job seeker and employer. There are general guidelines that should be followed when e-mailing cover letters, thank-you notes, and replies to various requests for information. Apply the following advice to every e-mail you write:

Use a meaningful subject header for your e-mail—one that is appropriate to the topic.

Always be professional and businesslike in your correspondence. Address the recipient as Mr., Ms., or Mrs., and always verify the correct spelling of the recipient's name. Business etiquette resources recommend using "Ms." unless you know the recipient prefers "Mrs." or "Miss."

Be brief in your communications. Don't overload the employer with lots of questions in your e-mail. Go through your message before sending to make sure it is concise.

Avoid using slang and text message abbreviations.

Sign your e-mail with your full name.

Exclude the emoticons. While these symbols may go over well with friends and family, do not use them in your e-mail communications with business people.

Do not use strange fonts, wallpapers, or multicolored backgrounds. A standard font is most appropriate.

Be sure to proofread and spell check your e-mail before sending it. Make sure you capitalize and punctuate correctly. Avoid excessive use of capital letters and exclamation marks.

Respond to e-mails promptly.

Do not assume that professionals who tend to be informal will be tolerant of unprofessional e-mails.

NOTE THE DIFFERENCES

Example of Unprofessional E-mail

From: 2cute@....com
To: instructorname @ua.edu
Subject: hey

so how's it going? can u tell me what i missed in class b/c i've had a lot going on and i could not make it and i want an A in this class. also i need a reference for an internship and thought u would be a good one b/c i had you last yr too.

(no name provided)

Example of Professional E-mail

From: studentname@crimson.ua.edu
To: instructorname@ua.edu
Subject: Reference Request for Internship

Dear Dr. Faculty:

Thank you for taking time recently to talk with me about graduate school. I plan to continue researching programs and opportunities to get experience.

Today, I saw an internship posting and would like to stop by during your office hours to talk with you about being a reference for me. I will give you a call Thursday.

Best regards,

Full Name

If you would like for a faculty member or other potential reference to tell a prospective employer that you demonstrate professionalism, then you need to demonstrate it. Establish habits that will lead others to see you as a professional.

Notes:

Notes: