

Approved
10-19-15

**The Minutes of
THE GENERAL EDUCATION COMMITTEE
OF
ARKANSAS TECH UNIVERSITY**

The General Education Committee met Wednesday, September, 16, 2015 at 2:00 p.m. in Rothwell 308. The following were present:

Dr. Jackie Bowman	Dr. Mohammed Ibrahim
Ms. Cheryl Chaney	Dr. Thomas Nupp
Ms. Nancy Cox	Ms. Karen Riddell
Ms. Gwen Faulkenberry	Dr. David Roach
Dr. Patrick Hagge	Dr. Jeremy Schwehm
Dr. Theresa Herrick	

Guests: Dr. AJ Anglin and Dr. David Underwood

Call to Order Dr. Bowman called the meeting to order and asked for approval of the April minutes. Dr. Herrick made the motion to approve the minutes. Dr. Schwehm seconded the motion. Motion approved.

Dr. Bowman then asked everyone to introduce themselves since some were new to the committee.

After introductions, Dr. Bowman turned the floor over to Dr. AJ Anglin, Interim Vice President for Academic Affairs and Dr. David Underwood, Associate Vice President for Academic Affairs to address the committee about the charge and responsibilities of the committee. Dr. Underwood spoke first and told the committee that he was one of the ones that originally put together the charges for the committee. He also said that the General Education Committee is probably one of the most important committee's to the University since the whole idea behind education is that there is a core of knowledge to being generally educated and that core is General Education. He then spoke about what exactly the general education core is and what students are supposed to get out of it. He told the committee that when he first got here and was asked to look in to general education, due to Higher Learning Commission (HLC) concerns, there were around 37 requirements for general education. This was too many for the university to try and keep up with and assess whether they were being done. Before the last HLC visit, these were narrowed down into the current broader set of six goals. Some of these goals are not directly, easily measurable. He then spoke about how the university knows if the students are achieving these goals and what courses are being used to assess them. This is the responsibility of the General Education Committee. The committee is charged with deciding if proposed courses fit in to the general education goals and helping educate the rest of the

university regarding what is and is not appropriate for general education. The committee is also responsible for reviewing the general education goals every so often to see if they are still relevant. The university itself changes over time (for example the addition of the new doctoral program) so the general education goals may need to be adjusted along with these changes. The General Education Committee would be the ones to look at the need for these adjustments. The Higher Learning Commission expects the university to watch the general education program, know what makes up the general education program, be able to show that the general education goals are being met and in what courses they are being taught. The departments can keep up with a lot of this, but they are specific to their department and not across the board. That is why the General Education Committee is comprised of faculty from different areas. Dr. Underwood expressed concern that the committee may not have understood, until the last few years, what the university is really after and how important these things are in the process of what we do. Since we have to accept the courses on the ACTS transfer table, we need to make sure that ours are similar in the requirements. If ours are not matching up with theirs, that might mean we need to take a closer look at our courses. He said there was also a push by Complete College of America to streamline general education, so that might be something else to look at. Dr. Underwood said that he was not trying to scare the committee or steer them in a different direction, but stressed again that this was the core of everything we do in terms of education. Dr. Underwood asked if anyone had any questions. Dr. Nupp asked if the general education goals are the five that are listed. Dr. Bowman said that yes they are and that we have assessment criteria for each of them.

Dr. Bowman told the committee that the first few years of the committee were spent on setting the goals and how to assess each goal. She pointed out that there are still a few goals where assessment has not been done. She said that there have been some problems getting the cooperation from departments involved in those, which means that we need to have better communication from administration saying it is time to get that done. Dr. Underwood pointed out that there is a new Director of Assessment to use as a resource for the committee. Dr. Bowman also pointed out that for those that had already done their assessment, it might be time to look at those again since it had been several years. Dr. Herrick pointed out that there was a report from 2009 (Arkansas Tech University Report on General Education Assessment) that, if they had not already read, would be good for everyone to have. Ms. Riddell said that she would send that report to everyone via email. Dr. Underwood told the committee that he was happy with the way the committee had looked at assessment, since general education can sometimes get left out of assessment and he again encouraged the committee to recruit the help of Dr. Christine Austin, the Director of Assessment and Institutional Effectiveness. He said this is an

area that the Higher Learning Commission looks at and sometimes there is nobody assigned to make sure this is being assessed. He told the committee when he first came to Arkansas Tech, the university had just failed on assessment with HLC and one of his first tasks was to get assessment lined up so that when they came back in a year and a half, the university would be able to pass it. The university was able to pass when HLC returned, but also realized we were a long way from where we really needed to be. The University has been working to catch up since then. He stressed that we need to make our goals clear to the students, so that they know what they are working towards. He mentioned that a lot of the departments now have goals on their websites.

Dr. Bowman told Dr. Underwood that one of the things that has been unclear to the committee is who they report to. For instance, when the committee compiles an annual report, where does that report need to be sent? Also, if a department is having problems assessing their goals, who does that need to be communicated to? Dr. Underwood said that if it was an assessment issue, the committee should get with Dr. Austin and ask for her help. Any other issues could be brought to him. Dr. Bowman said one of the major concerns was communication. The committee might have important things they want to communicate to the university, but wouldn't know how to get that information to the rest of the university. Dr. Herrick mentioned that another thing that has been unclear was where departments needed to send course proposals first. Should they go to the Curriculum Committee first? Dr. Underwood said all course proposals must go to the curriculum committee, but if they involve general education, then they need to come to the General Education Committee first. All of the proposals would then need to go to Faculty Senate for the final approval. Dr. Bowman reminded the committee that the General Education Committee doesn't approve, but advises. Dr. Anglin asked if the committee had agenda items that had been brought forward from last year. Dr. Bowman told him that last year the committee started looking at the each of the goals. She said she personally thought it was time to start reevaluating whether these goals needed to stay the same or if it was time to change some of them and then write an official report stating their findings. Dr. Underwood said the next HLC visit would be in 2020 which seems like a long time, but is really not. We will need to start gearing up for a full fledged self-study type focus within the next 18 months to two years, so this is perfect timing to say that we have looked at the goals and made decisions. Dr. Anglin said it has been his observation that our Curriculum Committee is much less involved in analyzing curriculum than most universities. Dr. Bowman said she had been on the committee and that their charge had just been to approve or not approve. Dr. Anglin thought that some work needed to be done in the future as far as sharing governance and that in his experience at other universities, the Curriculum Committee is totally owned by faculty, so an administrator just played a

support role, and not a leadership role. He said at one university he was at recently, the Curriculum Committee met 2-3 hours per week because they had so much to do and they did not delegate anything to the administration office. They were just resources. He thought this might make the General Education Committee an even more important role here and that even though they don't have the power to approve changes, they do have a responsibility to evaluate each proposal carefully. He said he has observed that the Curriculum Committee is making the assumption that the General Education Committee is really scrutinizing the proposals and that this is not being done anywhere else up the ladder. Dr. Anglin again stressed that the General Education Committee is really important to anything general education related. Dr. Anglin asked what Arkansas Tech had to give up general education-wise to reach the 120 hours recommended by ADHE a few years ago. Dr. Bowman told him, unfortunately, it was the two hours of Physical Health and Wellness requirement. Dr. Underwood told Dr. Anglin that we had kept the Health and Wellness goal, but that now there was not really a good way to assess this goal. Dr. Bowman said that really the only measure was in the Student Services area. Dr. Herrick asked who had all the general education assessment data. Dr. Bowman said that would be in Institutional Research and it should be in the annual report. Dr. Anglin suggested giving departments a time limit, such as two years, to get their assessments in and if they do not get the assessment done in that time limit, to look at replacing them. Maybe get Physical Education back on the board. He thought that would be a good motivation for departments to get their assessments done. Dr. Underwood told the committee the HLC had a more structured system now with subsets and that if you failed one of these subsets, you failed that area. He said it is now more of a check list where it used to be more general. Dr. Bowman suggested the committee invite Dr. Underwood back to one of the meetings to show them more about how the HLC visit would work and specifically what they would be looking for in regards to general education. Dr. Underwood said he could send the committee an outline that might answer a lot of the questions. Dr. Nupp said he had tried to look on the ADHE website to find information, but was unable to find what he was looking for.

Dr. Roach said he felt there was a danger in focusing too much on assessment. He felt it could cause a feeling of distrust. Dr. Anglin told the committee that the NCA has been under scrutiny the last few years and are imposing more on us, so we have to comply. Dr. Anglin and Dr. Underwood again thanked the committee for their service and excused themselves from the meeting.

Elections

Dr. Bowman asked for nominations for the positions of secretary and chair-elect for the committee for this year. Ms. Gwen Faulkenberry volunteered to serve as secretary. There being no other nominations, Dr.

Roach made the motion for Ms. Faulkenberry to serve as secretary by acclimation. Seconded by Dr. Herrick. Motion carried. Dr. Bowman then asked for nominations for chair-elect and specified it needed to be someone with at least two years left on the committee. Dr. Schwehm told the committee that he would except that with his daughter's illness, he would probably miss a lot of meetings. Dr. Hagge said that he was already committed to so much that he didn't think that he could add this. The committee then discussed the possibility of having co-chair-elects. Drs. Schwehm and Hagge said they would be willing to serve as co-chair-elects. Dr. Nupp made the motion for Dr. Schwehm and Dr. Hagge to serve as co-chair-elects for this year. Ms. Chaney seconded the motion. Motion passed.

Proposal

Dr. Herrick distributed a copy of the course syllabus for AGPS 1024 Principles of Plant Science to go along with the memo and other information that had already been sent to the committee. She informed the committee that a lab had been added to this course and they would like to have it added to the list of courses acceptable as a general education science course. She said a lot of the Turf Management students took this class and she thought this would not only help the Department of Parks, Recreation and Administration, but would also help out the Biology Department to relieve them of some of the general education load. The committee discussed that adding this to the general education courses would necessitate adding more sections of the course. Dr. Herrick said Dr. Rainey was aware of this and that they teach this course in both fall and spring. The committee then discussed that the syllabus did not specify what type of experiments were done in the class. Dr. Bowman pointed out that it was one of the criteria for Scientific Reasoning, so the committee needed to be sure that the students would be able to pass the general education assessment. Dr. Herrick agreed that the committee would need more information. She said there was usually a separate page for the lab in the syllabus and she was willing to table the proposal until she could obtain more information on the lab. Dr. Herrick also mentioned she had done some research and found that no other universities in Arkansas had Plant Science as a general education course, but did have examples of this being used in universities outside of the state of Arkansas. Dr. Nupp mentioned there were no letters of support from any of the science departments when they would clearly be affected. Dr. Herrick said she was not aware those were needed. Dr. Nupp also asked if there were any other general education courses that were not gateway courses. The committee discussed some other courses that were not gateway courses (e.g., BIOL 1114). Dr. Nupp said he researched and found that in Arkansas, all of the science general education courses were taught within the science departments. The committee then discussed whether the AGPS 1024 would be transferable within ACTS. The course could still be a general education course even if it wasn't transferable, but it is preferable

to have them ACTS transferable. The committee then discussed how the students would be made aware of the fact that it was not transferable. This information is put in each course description and in the syllabus. Ms. Cox thought it should be pointed out to the student during advising sessions. The committee then decided that before they went any further, they needed to determine if the course even met the criteria for a general education science course. Dr. Nupp expressed concern that this course could take students away from the science departments to take their general education courses. Dr. Herrick pointed out that not all science courses are in the biology or physical science departments. Dr. Herrick thought it would actually help since those departments are now overloaded when it comes to the courses that can be used as general education. She also didn't believe that there would be many students other than Parks and Recreation or Agriculture majors choosing this course. She felt that it would just be another good option for students as a science general education course.

Dr. Herrick made a motion to table the proposal to add AGPS 1024 Principles of Plant Science to the science general education courses until she could get more information. Dr. Hagge seconded the motion. Motion passed.

Meeting

Dr. Bowman thought the committee needed to have another meeting to discuss what general education really is and what HLC will be expecting. The committee discussed a meeting time. Dr. Bowman asked Ms. Riddell to send out a scheduler for a time frame of two weeks after fall break.

Adjournment

The meeting adjourned at 3:00 pm

Withdrawn 10-19-15
By Dr. Herrick



ARKANSAS TECH
A CENTURY FORWARD

To: Registrar

From: Dr. Theresa Herrick

Cc: Dr. Mac Rainey

Date: January 26, 2015

This is a proposal to adopt AGPS Principles of Plant Science as a general education option under the 8 -hour requirement for Science. The ATU undergraduate catalog specifies under general education science that students "Complete a total of eight hours of science with laboratory." AGPS 1024 Principles of Plant Science is a 4-hour science course, with laboratory, as specified in the ATU Catalog under general education. I believe it fits the general education goal "Apply scientific and quantitative reasoning." It will provide ATU students another science option. Please find attached examples of other universities that include plant science as a science option for general education.

AGPS 1024: Principles of Plant Science

A study of important plant practices associated with horticulture and agronomic crop production, including classification of plants, the role of soil and the environment, plant management, cropping systems, and integrated pest management and harvest methods. Principles and practices in propagation of plants and sexual and asexual reproduction methods.

Lecture three hours, laboratory two hours. \$20 laboratory fee.

AGPS 1024

Principles of Plant Science

Instructor: Dr. Jim Collins, Professor of Agri-Business

Office Hours: MWF 7:30 - 8:00; 9:00 - 11:00;
TTh 9:30-10:30

Phone: 968-0632 (W) 968-3944 (H) 970-1066 (Cell) Set up an appointment after class and I WILL BE AVAILABLE

Email: jcollins@atu.edu

Description: Principles and practices in propagation of plants, sexual and asexual reproduction methods; construction and management of greenhouses. Lecture three hours.

Text: (Optional) Horticulture Science, Janik

Rationale: To fulfill the plant science course requirement for Agri-Business majors

Objective: To study the principles and practices in propagation of plants, sexual and asexual reproduction methods; construction and management of greenhouses.

Grading Scale: A = 90 -100% C = 70-79%
B = 80 - 89% D = 60-69%

Test Schedule: All exams will come directly from lecture material. Exams will not be comprehensive but will cover material from one exam to the other. Exams and point value are as follows:

3 regular exams = 300 points
FINAL EXAM = 100 points
Total 400 points

Any programmable calculators, cell phones, PDA's, or other forbidden electronic devices used or seen during an exam will be treated in the manner listed in the academic misconduct/dishonesty section of the syllabus. No other notes, material or technology may be used during exams unless specifically authorized by the instructor. All exams should be considered comprehensive of all material covered prior to the exam. Cell phones are NOT allowed in class. They should be placed out of sight during class periods. If a cell phone is seen, it will be confiscated until the class is over.

Missing a test will get you in major trouble. I must be notified the day before or the morning of the test if you are sick or have a family emergency. Failing to do this will result in a zero grade.

Attendance: Only excused absences are acceptable for missing an exam:

- university activity with letter
- incapacitating illness with doctor's letter
- funeral with funeral program

Class Attendances: For class success, attendance is required. Thus the following allowances and consequences will be put in place. Tardiness will be recorded for anyone showing up after attendance is taken. Five unexcused tardies will count as one absence. The professor can use his own discretion in excusing absences.

<u>Number of missed days</u>	<u>Consequence</u>
0-3	No effect
4-6	Lose one letter off final grade
7-9	Lose two letters off final grade
10-12	Lose three letters off final grade
>12	F is given for the final grade

AGPS 1023
Content

Topic 1	Horticulture Classification
Topic 2	Plant and Cell Structures
Topic 3	Growth and Metabolism
Topic 4	Differentiation and Development
Topic 5	Reproduction
Topic 6	Soil
Topic 7	Water
Topic 8	Light
Topic 9	Temperature
Topic 10	Air
Topic 11	Plant Propagation
Topic 12	Mineral Nutrition
Topic 13	Training and Pruning
Topic 14	Growth Regulation
Topic 15	Plant Protection
Topic 16	Breeding
Topic 17	Marketing
Topic 18	Horticultural Crops

General Education Requirements

General Education Course Requirements Overview

You are to complete 48 units selected from designated General Education categories and courses. If you are enrolled in or are considering one of our high-unit majors, such as engineering, computer science, or liberal studies, carefully review the GE changes outlined in Reference: Majors with Important Modifications to General Education Requirements.

Note the following general guidelines:

1. Courses must be selected according to the following pattern of General Education:
 - 18 units from the Foundation;
 - 3 units each from Oral and Written Communication, Critical Thinking, and Quantitative Reasoning (Areas A1-A4) and
 - 3 units each from Physical and Life Sciences (Areas B1 and 2)
 - 6 units of American Institutions coursework and
 - 24 units from the remaining Disciplinary Areas;
 - 15 lower division units (3 units each from Arts and Humanities (Areas C1 and 2) Individual & Society and Societal Institutions (Areas D1 and 2; NOTE: Select no more than **one** POLS course), and Learning for Life (Area E), and
 - 9 upper-division units within a single Pathway from the three major disciplinary areas of the Natural Sciences (Area B), Arts and Humanities (Area C) and Social Sciences (Area D).
2. You **must have completed** 45 semester units *and* GE Foundation requirements **before** the 9 units of upper-division coursework in a Pathway may be taken.
3. A minimum of 9 out of the 48 GE units must be taken at CSU, Chico.
4. GE courses are periodically reviewed and may be added to or deleted from the list below.

Foundation: 18 Units

Oral Communication (A1)

1 course selected from:

CMST 131	Speech Communication Fundamentals	3.0	FS	GE
CMST 132	Small Group Communication	3.0	FS	GE

Written Communication (A2)

1 course selected from:

ENGL 130I	Academic Writing	3.0	FS	GE WI
<i>Prerequisites: English Placement Test.</i>				
ENGL 130EI	Academic Writing - ESL	3.0	FS	GE WI
<i>Prerequisite: EFLN 170 with a grade of C- or higher.</i>				
<i>Corequisite: ENGL 030E.</i>				
ENGL 130PI	Academic Writing	3.0	FS	GE WI
<i>Prerequisite: English Placement Test.</i>				
HNRS 200CI	Honors Survey of Civilization	3.0	FS	GE GC WI
<i>Corequisites: HNRS 200DI, HNRS 200EI.</i>				
HNRS 200DI	Honors Survey of Civilization	3.0	FS	GE GC WI
<i>Corequisites: HNRS 200CI, HNRS 200EI.</i>				
HNRS 200EI	Honors Survey of Civilization	3.0	FS	GE GC WI
<i>Corequisites: HNRS 120C, HNRS 120D.</i>				

HNRS 2011	Beauty	3.0	FA	GE WI
<i>Prerequisite: Admission to the Honors Program</i>				
HNRS 2031	Virtue	3.0	SP	GE WI
<i>Prerequisite: Admission to the Honors Program</i>				
JOUR 1301	Professional Writing for Public Audiences	3.0	FS	GE WI
<i>Prerequisite: English Placement Test score of 147 or higher.</i>				

Critical Thinking (A3)

1 course selected from:

CMST 255	Argumentation and Debate	3.0	FS	GE
GEOS 104	Inquiry into Earth and Environmental Sciences	3.0	FS	GE
HNRS 204	Truth	3.0	SP	GE CC
<i>Prerequisite: Admission to the Honors Program</i>				
PHIL 102	Logic and Critical Thinking	3.0	FS	GE
PHIL 102E	Logic and Critical Thinking - ESL	3.0	FS	GE
<i>Prerequisites: For Students with English as a Second Language.</i>				
PSYC 100	Applications of Critical Thinking and Decision Making	3.0	FS	GE

Quantitative Reasoning (A4)

1 course selected from:

MATH 101	Patterns of Mathematical Thought	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement.</i>				
MATH 105	Statistics	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement.</i>				

OR (one of the following advanced courses may be substituted for the requirement above)

MATH 107	Finite Mathematics for Business	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement.</i>				
MATH 108	Statistics of Business and Economics	3.0	FS	GE
<i>Prerequisites: For business administration students: MATH 107. For other students: completion of GE Pathway Foundation Quantitative Reasoning requirement.</i>				
MATH 109	Survey of Calculus	4.0	FS	GE
<i>Prerequisites: Completion of ELM requirement; MATH 118, MATH 119 (or High School equivalents).</i>				
MATH 110	Concepts and Structures of Mathematics	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement.</i>				
MATH 111	Concepts and Structures of Mathematics	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement, one year of high school geometry.</i>				

Completion of both MATH 110 and MATH 111 is required for GE credit in Quantitative Reasoning.

MATH 118	Trigonometry	3.0	FS	GE
<i>Prerequisites: Completion of ELM requirement.</i>				
MATH 119	Precalculus Mathematics	4.0	FS	GE
<i>Prerequisites: Completion of ELM requirement, and either 1/2 year of high school trigonometry or MATH 118.</i>				
MATH 120	Analytic Geometry and Calculus	4.0	FS	GE

Prerequisites: Completion of ELM requirement; both MATH 118 and MATH 119 (or high school equivalent); a score that meets department guidelines on a department administered calculus readiness exam.

Physical Sciences (B1)

1 course selected from:

CHEM 100	Chemistry and Current Issues	3.0	FS	GE
GEOG 101I	Physical Geography	3.0	FS	GE WI
<i>Prerequisites: High school biology, chemistry, or physics is recommended.</i>				
GEOS 101	General Geology	3.0	FS	GE
GEOS 105	Introduction to Astronomy	3.0	FS	GE
GEOS 130	Introduction to Environmental Science	3.0	FS	GE
HNRS 202	Nature	3.0	FA	GE
<i>Prerequisite: Admission to the Honors Program.</i>				
NSCI 101	Intro to Earth's Environment	3.0	FS	GE
PHYS 100	Cosmology and Universal Evolution	3.0	FS	GE

OR (one of the following advanced courses may be substituted for the requirement above)

CHEM 107	General Chemistry for Applied Sciences	4.0	FS	GE
<i>Prerequisites: Completion of ELM requirement, Intermediate Algebra.</i>				
CHEM 108	Organic Chemistry for Applied Sciences	4.0	FS	GE
<i>Prerequisites: CHEM 107 or CHEM 111 or equivalent.</i>				
CHEM 111	General Chemistry	4.0	FS	GE
<i>Prerequisites: Completion of ELM requirement; second-year high school algebra; one year high school chemistry. (One year of high school physics and one year of high school mathematics past Algebra II are recommended.)</i>				
GEOS 102	Physical Geology	3.0	FS	GE
<i>Prerequisites: High school chemistry or physics is recommended; students with no previous science courses are advised to enroll in GEOS 101. No college credit for those who have passed GEOS 101.</i>				
PHYS 202A	General Physics	4.0	FS	GE
<i>Prerequisites: High school physics or faculty permission. High school trigonometry and second-year high school algebra or equivalent (MATH 051 and MATH 118 at CSU, Chico).</i>				
PHYS 204A	Physics for Students of Science and Engineering: Mechanics	4.0	FS	GE
<i>Prerequisites: High school physics or faculty permission. Concurrent enrollment in or prior completion of MATH 121 (second semester of calculus) or equivalent.</i>				

Life Sciences (B2)

1 course selected from:

ANTH 111	Survey of Physical Anthropology	3.0	FS	GE
BIOL 102	Introduction to Living Systems	3.0	FS	GE
This course is also offered as NSCI 102.				
BIOL 103	Human Anatomy	4.0	FS	GE
BIOL 104	Human Physiology	4.0	FS	GE
BIOL 105	Food, Fiber, and Drugs	3.0	FS	GE

CIVL 175	Biological Processes in Environmental Engineering	3.0	FS	GE
<i>Prerequisites: High school biology and chemistry.</i>				
HNRS 202	Nature	3.0	FA	GE
<i>Prerequisite: Admission to the Honors Program.</i>				
NSCI 102	Introduction to Living Systems	3.0	FS	GE
This course is also offered as BIOL 102 .				
PSSC 101	Introduction to Plant Science	3.0	FS	GE

OR (one of the following advanced courses may be substituted for the requirement above)

BIOL 151	Principles of Cellular and Molecular Biology	4.0	FS	GE
<i>Prerequisites: Recommend CHEM 111 or concurrent enrollment.</i>				
BIOL 152	Principles of Ecological, Evolutionary, and Organismal Biology	4.0	SP	GE
<i>Prerequisites: BIOL 151 or faculty permission; recommend CHEM 112 or concurrent enrollment.</i>				
BIOL 153	Principles of Physiology and Development	4.0	FA	GE
<i>Prerequisites: BIOL 151; CHEM 112 or concurrent enrollment recommended.</i>				

American Institutions: 6 Units

US History

1 course selected from:

HIST 130	United States History	3.0	FS	GE
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American Government: National, State, Local

1 course selected from:

POLS 155	American Government: National, State, and Local	3.0	FS	GE
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Pathways: 24 Units

Lower Division: 15 units

Arts (C1)

1 course selected from:

CAGD 110	Computer-Assisted Art I	3.0	FS	GE
ARTH 100	Art Appreciation: Multicultural Perspectives	3.0	FS	GE GC
ARTH 110	Art History Survey	3.0	FA	GE
ARTH 120	Art History Survey: Renaissance to 1800	3.0	SP	GE
ARTH 130	Art History Survey: 1800 to the Present	3.0	FS	GE USD
ARTH 150	Survey of Arts of the Americas, Oceania, and Africa	3.0	FS	GE GC
CMGT 275	Architectural History	3.0	FS	GE
ENGL 203	Shakespeare in Film	3.0	FS	GE

UConn

University General Education Requirements

CONTENT AREA 1. Arts and Humanities: 6 credits 1. _____
2. _____

<p>Africana American Studies AFRA 1100, 3132</p> <p>American Studies AMST 1700</p> <p>Anthropology ANTH 1001W, 3401, 3450W</p> <p>Arabic: ARAB 1121, 1122</p> <p>Art: ART 1000</p> <p>Art History ARTH 1128, 1137, 1138, 1141, 1162</p> <p>Asian American Studies AASI 3201, 3531</p> <p>Chinese CHIN 1121, 1122, 3250W</p> <p>Classics and Ancient Mediterranean Studies CAMS 1101, 1102, 1103</p> <p>Comparative Literature and Cultural Studies CLCS 1002, 1101, 1102, 1103W, 1110, 2201, 3211</p> <p>Digital Media and Design DMD 2010*</p>	<p>Drama DRAM 1101, 1110, 1811*, 3132</p> <p>Economics ECON 2101/W, 2102/W</p> <p>English ENGL 1101/W, 1103/W, 1503, 1616/W, 1640W, 2100, 2101, 2274W, 2401, 2405, 2407, 2408/W, 2409, 2411/W, 3220/W, 3320/W, 3629, 3633W</p> <p>Fine Arts FINA 1001, 1100</p> <p>French FREN 1169, 1171, 1176, 1177, 3210, 3211, 3218, 3224, 3230, 3234, 3235, 3261W, 3262W, 3267/W, 3268/W, 3270W</p> <p>Geography GEOG 1200</p> <p>German GERM 1140W, 1169, 1171, 1175, 3251, 3252W, 3253W, 3254W, 3255/W, 3258, 3261W, 3264W</p>	<p>Hebrew and Judaic Studies HEJS 1103, 3301, 3401/W</p> <p>History HIST 1100/W, 1201, 1203, 1206, 1300, 1400, 1501/W, 1502/W, 1570, 1600, 1800, 1805, 2206, 2210, 2401/W, 2402/W, 3531, 3609, 3635, 3660W, 3674, 3705</p> <p>Human Rights HRTS 2170W</p> <p>Interdepartmental INTD 3260</p> <p>Italian Literary and Cultural Studies ILCS 1101, 1149, 1158, 1160, 1170, 3255W, 3258/W, 3260W</p> <p>Landscape Architecture LAND 2210*</p> <p>Latino and Latin American Studies LLAS 1009/W, 1190/W, 1570, 3220, 3609, 3635, 3660W</p> <p>Linguistics LING 1010</p>	<p>Maritime Studies MAST 1200, 2210</p> <p>Music MUSI 1001, 1002, 1003, 1004, 1005, 1006, 1021, 1022, 1112</p> <p>Natural Resources and the Environment NRE 1235*</p> <p>Nursing NURS 2175</p> <p>Philosophy PHIL 1101, 1102, 1103, 1104, 1105/W, 1106, 1107, 1165W, 1175, 2170W, 3220</p> <p>Political Science POLS 1002</p> <p>Science SCI 2206</p> <p>Spanish SPAN 1007, 1008, 1009/W, 1010, 1020*, 3232, 3250, 3267W*</p> <p>Urban Studies URBN 1200</p> <p>Women's Gender and Sexuality Studies WGSS 1104, 1121</p>
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CONTENT AREA 2. Social Sciences: 6 credits 1. _____
2. _____

<p>Africana American Studies AFRA 3152</p> <p>Agriculture and Resource Economics ARE 1110, 1150</p> <p>Anthropology ANTH 1000/W, 1006, 1010, 1500, 2000/W, 3152</p> <p>Communication COMM 1000</p> <p>Economics ECON 1000, 1107, 1108, 1179, 1200, 1201, 1202</p>	<p>Educational Psychology EPSY 2810</p> <p>Environmental Engineering ENVE 1000</p> <p>Environmental Studies EVST 1000</p> <p>Geography GEOG 1000, 1700, 2000, 2100</p> <p>Human Development and Family Studies HDFS 1060, 1070</p> <p>Human Rights HRTS 1007</p>	<p>Interdepartmental INTD 1500</p> <p>Linguistics LING 1020, 1030, 2850, 3610W</p> <p>Political Science POLS 1202/W, 1207, 1402/W, 1602/W, 3208/W, 3237/W, 3615/W</p> <p>Psychology PSYC 1101, 1103</p> <p>Public Health PUBH 1001</p>	<p>Public Policy PP 1001</p> <p>Speech Language and Hearing Science SLHS 1150</p> <p>Sociology SOCI 1001/W, 1251/W, 1501/W, 3823</p> <p>Urban Studies URBN 1300/W</p> <p>Women's Gender and Sexuality Studies WGSS 1105, 1124, 3253/W</p>
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CONTENT AREA 3. Science & Technology: 6-7 credits 1. _____
One course must come from the laboratory category 2. _____

<p>Allied Health Sciences AH 1030</p> <p>Animal Science ANSC 1645</p> <p>Biomedical Engineering BME 1401</p> <p>Chemical Engineering CHEG 1200</p> <p>Chemistry CHEM 1101</p> <p>Cognitive Science COGS 2201</p>	<p>Computer Science & Engr CSE 1401</p> <p>Digital Media and Design DMD 2010</p> <p>Ecology & Evolutionary Bio EEB 2202</p> <p>Electrical & Computer Engr ECE 1001*</p> <p>Engineering ENGR 1101</p> <p>Geography GEOG 1070, 2300</p> <p>Geosciences GSCI 1010, 1051, 1070</p>	<p>Linguistics LING 2010Q</p> <p>Marine Science MARN 1001, 1002</p> <p>Mathematics MATH 1050Q</p> <p>Molecular & Cell Biology MCB 1401, 1405</p> <p>Natural Resources & Env. NRE 1000</p> <p>Nutritional Science NUSC 1030, 1165, 1645</p>	<p>Pharmacy PHAR 1000, 1001, 1005</p> <p>Physics PHYS 1020Q, 1030Q</p> <p>Physiology & Neurobiology PNB 1401, 3120W*</p> <p>Plant Science PLSC 1150</p> <p>Psychology PSYC 1100</p> <p>Soil Science SOIL 2120*</p> <p>Science SCI 1051</p>
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Laboratory Courses

<p>Biology BIOL 1102, 1103, 1107, 1108, 1110</p>	<p>Chemistry CHEM 1122, 1124Q, 1127Q, 1128Q, 1137Q, 1138Q, 1147Q, 1148Q</p> <p>Geography GEOG 1302</p>	<p>Geosciences GSCI 1050, 1052</p> <p>Marine Sciences MARN 1003</p>	<p>Physics PHYS 1010Q, 1025Q, 1035Q, 1075Q, 1201Q, 1202Q, 1401Q, 1402Q, 1501Q, 1502Q, 1600Q, 1601Q, 1602Q</p>
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CONTENT AREA IV: Diversity & Multiculturalism: 6 credits 1.

One course must come from the international category 2.

<p>Africana American Studies AFRA 1100, 3106/W, 3131/W, 3132, 3152, 3214/W, 3505, 3642</p> <p>Allied Health Sciences AHS 2330*</p> <p>American Studies AMST 1201</p> <p>Anthropology ANTH 2000/W, 3150/W, 3152, 3202/W, 3902, 3904/W</p> <p>Art History 3050/W</p> <p>Asian American Studies AASI 3201, 3212, 3221, 3531</p> <p>Communication COMM 3321</p>	<p>Drama DRAM 3130, 3131/W, 3132, 3133</p> <p>English ENGL 1201, 1601/W, 2274/W, 3210, 3212, 3214/W, 3218/W, 3220/W, 3605, 3609, 3613</p> <p>Fine Arts FINA 1100</p> <p>Hebrew and Judaic Studies HEJS 1103, 3301, 3401/W</p> <p>History HIST 1203, 1503, 1570, 3204/W, 3531, 3570, 3660/W, 3674</p> <p>Human Development and Family Studies HDFS 2001, 3261</p>	<p>Human Rights HRTS 3505, 3571</p> <p>Interdepartmental INTD 2245, 3584</p> <p>Italian Literary and Cultural Studies ILCS 1158, 3258/W</p> <p>Latino and Latin American Studies LLAS 1009/W, 1570, 2011/W*, 3210, 3220, 3232, 3264, 3270, 3660/W</p> <p>Linguistics LING 1030, 2850</p> <p>Music MUSI 1002, 1003</p> <p>Nursing NURS 1175/W</p> <p>Philosophy PHIL 1107</p>	<p>Political Science POLS 3642, 3662</p> <p>Psychology PSYC 2101, 2701, 3102/W, 3106/W</p> <p>Sociology SOC1 1501/W, 2501/W, 3221, 3505, 3621/W</p> <p>Spanish SPAN 1009/W</p> <p>Speech Language and Hearing Science SLHS 1150</p> <p>Urban Studies URBN 1300/W</p> <p>Women's Gender and Sexuality Studies WGSS 1104, 1105, 1121, 3102/W, 3260, 3621/W</p>
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International Courses

<p>Anthropology ANTH 1000/W, 1001/W, 1006, 1010, 1500, 3028, 3030, 3153/W, 3401, 3504</p> <p>Arabic ARAB 1121, 1122</p> <p>Art Art 3375</p> <p>Art History ARTH 1128, 1141</p> <p>Asian American Studies AASI 3375</p> <p>Chinese CHIN 1121, 1122, 3250/W</p> <p>Comparative Literature and Cultural Studies CLCS 1101, 1102, 1103/W, 2201, 3211</p> <p>Economics ECON 2104/W</p>	<p>Ecology & Evolutionary Biology EEB 2202, 3307</p> <p>English ENGL 1301, 2301/W, 3120, 3122, 3318, 3320, 3629</p> <p>French FREN 1169, 1171, 1176, 1177, 3211, 3218, 3224</p> <p>Geography GEOG 1700, 2000</p> <p>German GERM 1169, 1171, 1175, 3251, 3258, 3261/W</p> <p>History HIST 1206, 1600, 1800, 1805, 3609, 3635, 3705</p> <p>Human Rights HRTS 1007, 3028, 3153/W</p>	<p>Interdepartmental INTD 1660/W</p> <p>India Studies INDS 3375</p> <p>Italian Literary and Cultural Studies ILCS 1149, 1160, 3260/W</p> <p>Latino and Latin American Studies LLAS 1190/W, 3609, 3635</p> <p>Linguistics LING 1020, 3610/W</p> <p>Music MUSI 1004, 3421/W</p> <p>Natural Resources and the Environment NRE 2600, 3305</p> <p>Nursing NURS 2175</p>	<p>Nutritional Sciences NUSC 1167</p> <p>Philosophy PHIL 1106</p> <p>Plant Science PLSC 1125</p> <p>Political Science POLS 1202/W, 1207, 1402/W, 3472/W</p> <p>Psychology PSYC 3402/W</p> <p>Sociology 2509/W, 3823</p> <p>Spanish SPAN 1007, 1008, 1010, 1020, 3250</p> <p>Women's Gender and Sexuality Studies WGSS 1124, 2105/W, 2255/W, 3255/W</p>
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COMPETENCIES

<p>Computer Technology - Each major has established expectations for the computer technology competencies of its graduates and built the development of these into the major curriculum. Further details are given under the description of each major in the University Catalog.</p>	See Major Advisor
<p>Information Literacy - Each major program has considered the information literacy competencies required of its graduates and built those expectations into the upper-level research and writing requirements in the major.</p>	See Major Advisor
<p>Quantitative (Q) - All students must pass two Q courses, one of which must be from mathematics or statistics; Q courses may be used to satisfy Content Area Requirements.</p>	<p>_____ Q</p> <p>_____ Q</p>
<p>Second Language - A student meets the minimum requirement if admitted to the University with 3 years of a single foreign language in high school, or the equivalent. Otherwise, the student must take a minimum of 2 semesters of college level study in a single language.</p>	_____
<p>Writing (W) - All students must take either English 1010 or 1011. All students must also pass two writing-intensive courses, which may also satisfy Content Area Requirements. One of these courses must be at the 2000-level or above and associated with the student's major. English 1010 or 1011 is a prerequisite to all writing-intensive courses.</p>	<p>ENGL 1010 or ENGL 1011</p> <p>_____ W</p> <p>_____ W</p>

NOTES: Courses in content areas I, II, and III must come from 6 different academic departments/units. One Content Area IV course may also serve as a Content Area I, II, or III requirement. Course numbers in **bold** represent courses in Content Areas I, II, or III that also fulfill a Content Area IV requirement. Course numbers that are underlined represent courses that are cross-listed in more than one department. *Course numbers that have * are courses not yet approved by CLAS as satisfying their general education requirements.

COURSE TITLES

Area A: Natural Sciences

AG 3	Intro to Animal Science	BIOL 5	General Botany	GEOG 1	Intro to Physical Geography
AG 17	Intro to Soils	BIOL 8	Human Biology	GEOL 1	Physical Geology
AG 23	Intro to Plant Science	BIOL 9	Plants and People	GEOL 10	Environmental Geology
ASTRO 10	Intro to Astronomy	BIOL 15	Marine Biology	GEOL 15	Earthquakes & Plate Tectonics
ASTRO 11	The Solar System & Space Exploration	BIOL 20	Natural History	METEO 1	Intro to Meteorology
ASTRO 15A	Observational Astronomy	CET 10	Survey of Electronics	OCEAN 10	Intro to Oceanography
BIOL 1	General Biology	CHEM 1A	General Chemistry	OCEAN 11	Lab in Oceanography
BIOL 2	Microbiology	CHEM 2	Intro to Chemistry	OCEAN 12	Environmental Oceanography
BIOL 3	Fundamental Cell Biology	CHEM 10	Chemistry for the 21st Century	PHYS 2A	General Physics I
BIOL 4	General Zoology	ENVSC 10	Intro to Environmental Science	PHYS 4A	Calculus-Based Physics: Mechanics
		ENVSC 12	Earth's Changing Climate	PHYS 10	Conceptual Physics
		ENVSC 15	Intro to Energy	PHYS 10	Intro to Physical Sciences
		FNR 80	Intro to Watershed Management		

Area B: Social Sciences

AG 30	Agriculture Economics	HIST 4	Western Civilization to 1600 AD	POLSC 3	Modern World Problems
AG 33	Agriculture, Environment & Society	HIST 5	Western Civilization: 1600 AD to Present	POLSC 10	US Government & Politics
AJ 1	Intro to Administration of Justice	HIST 7	History of Modern Asia	POLSC 12	State & Local Politics
ANTH 1	Physical Anthropology	HIST 8	U.S. History through Reconstruction	PSYCH 1	General Psychology
ANTH 2	Intro to Archaeology	HIST 9	U.S. History Reconstruction to Present	PSYCH 11	Life Span Development
ANTH 3	Cultural Anthropology	HIST 11	History of Women in America: Pre-contact - 1877	PSYCH 30	Social Psychology
ANTH 5	Great Archaeological Discoveries	HIST 12	History of Women in America: 1877 - Present	PSYCH 33	Personal Growth & Adjustment
BUS 10	Intro to Business	JOURN 5	Intro to Mass Communication	SOC 1	Intro to Sociology
ECE 2	Child Growth Development	NAS 1	Intro to Native American Studies	SOC 2	Social Problems
ECON 1	Macroeconomics	NAS 21	Native American History	SOC 3	Human Sexuality
ECON 10	Microeconomics	POLSC 1	Political Controversies	SOC 5	Intro to Race & Ethnic Relations
ECON 20	Economic History of the U.S.			SOC 9	Intro to Women's Studies
GEOG 2	Cultural Geography			SOC 10	Family & Intimate Relationships
				SOC 33	Death & Dying: Transition & Growth

Area C: Humanities

ART 1A	Art History: Pre-History to Gothic	ENGL 9	World Literature: Early Modern to 20th Century	JPN 1A, 1B	Elementary Japanese I, II
ART 1B	Art History: Renaissance to Contemporary	ENGL 10	World Literature: Antiquity to the Early Modern Era	MUS 1	Intro to Music
ART 2	Intro to Art	ENGL 17	American Literature: Beginnings to the Civil War	MUS 2A	Beginning Harmony and Musicianship
ART 4	Art Appreciation	ENGL 18	American Literature: Civil War-World War II	MUS 10	Music in History
ART 10	Color and Design	ENGL 47	Intro to Shakespeare	MUS 12	American Popular Music
ART 11	Three-Dimensional Design	ENGL 60	Intro to British Literature: Beginning Through 18th Century	PHIL 1	Critical Thinking
ART 17	Basic Drawing	ENGL 61	Intro to British Literature: Romanticism to the Present	PHIL 10	Intro to Philosophy
CINE 1	Cinema History: Origins Through the Coming of Sound	ENVSC 11	Environmental Ethics	PHIL 12	Logic
CINE 2	Cinema History: Coming of Sound to the Present	FRNC 1A, 1B	Elementary French I, II	PHIL 15	Religions of the World
CINE 6	Selected Film Authors or Genres	GERM 1A, 1B	Elementary German I, II	PHIL 20	Ethics
DRAMA 24	Intro to Theatre			SNLAN 1A, 1B	Elementary American Sign Language I, II
				SPAN 1A, 1B	Elementary Spanish I, II
				SPAN 2A, 2B	Intermediate Spanish I, II

Area D: Language & Rationality

- 1. Writing**

ENGL 1A Analytical Reading and Writing or an alternative writing course at the same level and rigor

- 2. Oral Communications**

SPCH 1 Public Speaking
 SPCH 6 Small Group Communication
 SPCH 7 Interpersonal Communication

- 3. Analytical Thinking**

MATH 120 Intermediate Algebra or an alternative math course at the same level and rigor or higher:
 MATH-4, 5, 15, 25, 30, 45, 50A, 50B, 50C, 55, 194



GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE 2012-2013

Non-Redwood Degree Students **Redwood Degree Students**

PROGRAMS OF STUDY

A. Natural Science

	Minimum Units Required	Units Completed	Units Needed
Agriculture 3, 17, 23 Astronomy 10, 11, 15A (lab) Biology 1, 2, 3, 4, 5, 8, 9, 15, 20 Chemistry 1A, 2, 10 Computer Electronics 10 Environmental Science 10, 12, 15 Forestry & Natural Resources 80	3		
Geography 1 Geology 1, 10, 15 Meteorology 1 Oceanography 10, 11(lab), 12 Physics 2A, 4A, 10 Physical Science 10			

B. Social Science

Administration of Justice 1 Agriculture 30, 33 Anthropology 1, 2, 3, 5 Business 10 Early Childhood Education 2 Economics 1, 10, 20 Geography 2	3		
History 4, 5, 7, 8, 9, 11, 12 Journalism 5 Native American Studies 1, 21 Political Science 1, 3, 10, 12 Psychology 1, 11, 30, 33 Sociology 1, 2, 3, 5, 9, 10, 33			

C. Humanities

Art 1A, 1B, 2, 4, 10, 11, 17 Cinema 1, 2, 6 Drama 24 English 9, 10, 17, 18, 20, 22, 47, 60, 61 Environmental Science 11 French 1A, 1B	3		
German 1A, 1B Japanese 1A, 1B Music 1, 2A, 10, 12 Philosophy 1, 10, 12, 15, 20 Sign Language 1A, 1B Spanish 1A, 1B, 2A, 2B			

D. Language and Rationality

1 Writing	English 1A or alternative writing course at same level and rigor	3		
2 Oral Communications	Speech 1, 6, 7	3		
3 Analytical Thinking	Mathematics 120 or an alternative math course at the same level and rigor or higher: MATH 4, 5, 15, 25, 30, 45, 50A, 50B, 50C, 55, 194	3		
Total General Education Units		Minimum	18	

Additional Requirements for Graduation

- **Filing Petition:** Student must file a petition to graduate on or before published deadline.
- For fall consideration – the Last Friday of October
- For spring consideration – First Friday in March
- For summer consideration – Last Friday in June
- **Unit Requirements:** A minimum of 60 semester units; however, a maximum of 4 units of physical education activity courses and 9 units of Cooperative Education may be counted toward the degree.
- **Minimum GPA Requirements:** A minimum cumulative grade point average of 2.0 at College of the Redwoods and a grade of 'C' or higher in each course required for the degree except for unrestricted electives.
- **Residence Requirement:** A student must complete a minimum of 15 semester units and a minimum of 12 of the required units in the major field of study at College of the Redwoods.
- **Credit Classes:** A maximum of 14 units of pass (P) grades will apply towards the degree, and only the first 14 units of pass grades on the transcript will be used toward the degree.
- **Course Limitations:** Courses numbered from 200 to 399 do not apply toward the A.A./A.S. degree or transfer to other four-year colleges and universities.

Elective Units Required
 General Education (GE) 18 +
 ACE 18 + or Electives = 60 units)

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: <u>Agriculture</u>	This department <input checked="" type="checkbox"/> supports <input type="checkbox"/> does not support the change.
Comments:	

Department Head Signature: *Malcolm R. Rainey*

Date: 4-6-15