

## College of Business

Department of Computer Information Systems Contact: [Dr. Wayne Bedford](#) ext. 3687 Station # 21

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
<b>I. Course Description Change</b>	CS 300. Programming I (3) The introductory programming course for CIS majors. Structured programming concepts and current program development principles and practices. The basic constructs of the programming languages are covered. Hands-on C++ programming using microcomputers. <i>Prerequisite: "C" or higher in CS 210 and "C" or higher in MH 113.</i>	CS 300. Programming I (3) <b>The introductory programming course for CIS majors. Current programming concepts and program development principles and practices. The basic constructs of programming languages are covered. Hands-on programming using microcomputers. Prerequisite: "C" or higher in CS 210 and "C" or higher in MH 113.</b>	This change was approved at the Feb 2007 Academic Council meeting but was not included in the new catalog.	None	None
<b>II. Course Description Change</b>	CS 301. Programming II (3) The second course in a series of programming courses for CIS majors. Includes advanced concepts and object-oriented programming development principles. Introduces advanced constructs of C++ and addresses advanced data structures such as records, sequential files, pointers, and multi-dimensional arrays. Hands-on C++ programming using microcomputers. <i>Prerequisite: "C" or higher in CS 300</i>	CS 301. Programming II (3) <b>The second course in a series of programming courses for CIS majors. Includes advanced concepts and object-oriented programming development principles. Introduces advanced constructs and addresses advanced data structures such as records, sequential files, pointers, and multi-dimensional arrays. Hands-on programming using microcomputers. Prerequisite: "C" or higher in CS 300</b>	This change was approved at the Feb 2007 Academic Council meeting but was not included in the new catalog.	None	None

Division of Technology Contact: [Dr. Wayne Bedford](#) ext. 3687 Station # 21

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
<b>I. Course Name &amp; Description Change</b>	TY 251. Principles of Occupational Safety and Health (3) Safety, hazard, catastrophe control, environmental concerns, laws, costs, administration, management, liability, accident-loss prevention, and psychological considerations.	TY 251. <b>Workplace Safety and Health (3)</b> <b>Safety, hazard, catastrophe control, environmental concerns, laws, personal safety and health, workforce safety training and development.</b>	Change necessary to reflect differences between this course and TY 351	Approved by College Academic Council 10/25/2007	None
<b>II. Course Name, Description &amp; Prerequisite Change</b>	TY 351. Principles of Occupational Safety and Health(3) Safety, hazard, catastrophe control, environmental concerns, laws, costs, administration, management, liability, accident-loss prevention, and psychological considerations. Research is required on a specific topic determined by consultation with the instructor. <i>Prerequisite: EC 231</i>	TY 351. <b>Managing Occupational Safety and Health (3)</b> <b>Practical theories and principles of occupational safety and health that include costs, administration, management, liability, accident-loss prevention and psychological considerations. Research is required on a specific topic determined by consultation with the instructor. Prerequisite: EC 231 &amp; MG 300.</b>	Change necessary to reflect differences between this course and TY 251.	Approved by College Academic Council 10/25/2007	None
<b>III. Course Deletion</b>	TY 380. Network Communication (3) An introduction to the fundamentals of data communications and computer networks. Provides the student with a conceptual		Replaced by CS 380 Network Communication (3)	Approved by College Academic Council 10/25/2007	None

	foundation for the study of data communications using the Open Systems Interconnect (OSI) layered architecture model. Both technical and managerial aspects of data communications and networks are covered. <i>Prerequisite: "C" or higher in CS 210 or "C" or higher in CS 205 for non-CIS majors</i>				
<b>IV. Course Deletion</b>	TY 381. Network Administration I (3) Introduces Client/Server networking features associated with network operating systems related to the needs of business, industry, and government agencies. <i>Prerequisite: "C" or higher in CS 380.</i>			Replaced by CS 381 Network Administration I (3)	Approved by College Academic Council 10/25/2007 None
<b>V. Course Deletion</b>	TY 382. Network Administration II (3) Introduces the installation, networking and security concepts of servers as related to the needs of business, industry, and government agencies. <i>Prerequisite: "C" or higher in CS 381</i>			Replaced by CS 382 Network Administration II (3)	Approved by College Academic Council 10/25/2007 None

### Julia Tutwiler College of Education

Department of Physical Education & Athletic Training Contact: [Dr. R. T. Floyd](#), ext. 3714 Station # 14

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
<b>I. New Course</b>		<b>PE 130. SCUBA Diving I (2)</b> <b>Designed to provide the entry level training necessary for certification as an Open Water SCUBA Diver. Equipment assembly and usage, basic diving skills, emergency procedures, proficiency in dive planning and documentation through the use of RDP tables along with use of dive computers will be covered. Introduction to advanced diving environments, underwater navigation, an introduction to dive physiology and dive related illnesses will be reviewed. Training dives will be conducted in multiple environments. Course Fee: \$250</b>	This course provides the training needed for certification as a basic Open water SCUBA diver. Currently, there are no local resources to provide this training. We now have a person with all of the necessary skills and training in the area who is interested in providing this service to our physical education and marine biology students as well as the University community as a whole.	This course can serve to meet a University physical education elective. It is also expected that Natural Sciences and Marine Biology majors along with students enrolled in subtropical ecology would desire this courses. Beyond that, the courses will be offered on a non-credit basis to those interested. Approved by COE Academic Council 10/10/07	This proposal to offer SCUBA courses is provided by Robert Sample who has extensive experience in this area and is currently providing similar coursework in Meridian. Currently, Mr. Sample has an associate who is well established in the Meridian area and would continue this program should he leave the area. The University will only need to provide access to the swimming pool and a storage area for related equipment. Specific SCUBA equipment will be provided by Mr. Sample or by the students through mandatory course fees.
<b>II. New Course</b>		<b>PE 131. SCUBA Diving II (2)</b> <b>Advanced dive training for the basic certified diver. More thorough instruction in underwater navigation, multilevel and computer diving, basic equipment repair and maintenance along with training in deep and night diving will be conducted. An in-depth review of dive physiology and decompression theory, search and recovery, wreck diving, dive operations from watercraft along with Enriched Air (EAN) usage will also be covered. Prerequisite: PE 130 or permission of the instructor. Course Fee: \$250</b>	Same as above with the exception that this course provides the additional training needed for certification as an Advanced Open water SCUBA diver.	Same as above. Approved by COE Academic Council 10/10/07	Same as above.

### College of Liberal Arts

Department of History & Social Sciences Contact: [Dr. David Bowen](#), ext. 3467 Station # 22

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary

					implications of change, if any.
<b>I. Course Deletion</b>	GY 300. Geography for Teachers (3) A study of cultural and physical geography designed to provide teachers with a basic understanding of the five themes of geography: location, place, relationships within places, movements, and regions, and how to convey these geographic principles to students and the elementary and secondary levels.		The College of Education no longer requires this course for elementary education majors.	Since GY 300 will no longer be offered each semester, it will be possible to offer more upper level history. GY 100 will be taught once every other year. Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>II. Major Requirement Change</b>	HISTORY (General Social Science Teacher Certification)  <i>Additional Courses in the Teaching Field</i>  PS 340 International Relations (3)	HISTORY (General Social Science Teacher Certification)  <i>Additional Courses in the Teaching Field</i>  <b>PS 330 Comparative Government or PS 340 International Relations (3)</b>	Both of these courses cover similar material and fit state requirements. These courses will alternate every other year, allowing students to fulfill their requirements within the normal four year framework.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>III. Course Deletion</b>	HY 372. Civil Rights Movements (3) An examination of the civil rights movement in the last half of the twentieth century with particular emphasis on the South and Alabama.		This course will be replaced by HY 475/575. The Modern Civil Rights Movement (see course description below), a course available for graduates, undergraduates and on-line.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>IV. New Course</b>		<b>HY 418. U.S. Constitutional History I (3)</b> <b>An exploration of the cultural foundations of U. S. constitutional law and constitutionalism from the Glorious Revolution through 1868.</b>	This course will take advantage of the expertise of new faculty and provide a key course for pre-law students.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>V. New Course</b>		<b>HY 518. U.S. Constitutional History (3)</b> <b>An exploration of the cultural foundations of U. S. constitutional law and constitutionalism from the Glorious Revolution through 1868.</b>	This course will take advantage of the expertise of new faculty and be a popular on-line offering.	Approved by the Liberal Arts Academic Council on 10-31-07. Needs approval of Graduate Council.	None
<b>VI. New Course</b>		<b>HY 419. U.S. Constitutional History II (3)</b> <b>An exploration of the evolution of U. S. constitutional law and constitutionalism from 1868 through the 1980s.</b>	This course will take advantage of the expertise of new faculty and provide a key course for pre-law students.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>VII. New Course</b>		<b>HY 519. U.S. Constitutional History II (3)</b> <b>An exploration of the evolution of U. S. constitutional law and constitutionalism from 1868 through the 1980s.</b>	This course will take advantage of the expertise of new faculty and be a popular on-line offering.	Approved by the Liberal Arts Academic Council on 10-31-07. Needs approval of Graduate Council.	None
<b>VIII. New Course</b>		<b>HY 475. The Modern Civil Rights Movement (3)</b> <b>A study of the Civil Rights Movement from the New Deal to 1980.</b>	This course will take advantage of the expertise of new faculty and be a popular on-line offering. It will also be part of a revamped Afro-American Studies minor.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>IX. New Course</b>		<b>HY 575. The Modern Civil Rights Movement (3)</b> <b>A study of the Civil Rights Movement from the New Deal to 1980.</b>	This course will take advantage of the expertise of new faculty and be a popular on-line offering.	Approved by the Liberal Arts Academic Council on 10-31-07. Needs approval of Graduate Council.	None
<b>X. Course Deletion</b>	PY 360. Methods of Social Research (3) An introduction to research methodology in the social sciences. Logic of research, sampling, techniques of data collection and analysis are		This course should be removed from the catalogue. It covers virtually the same material as PY 440 (Experimental Psychology), which is	Approved by the Liberal Arts Academic Council on 10-31-07.	None

	discussed. <i>Prerequisite: and least nine semester ours of psychology.</i>		required for all psychology majors and is therefore not needed as a PY elective.		
<b>XI. New Course</b>		<b>PY 530. Advanced Social Psychology (3)</b> <b>A theoretical investigation of the influence of the social world on our thoughts and behaviors.</b>	This course will fill an important gap in our graduate offerings and should appeal to on-line students.	Approved by the Liberal Arts Academic Council on 10-31-07. Needs approval of the Graduate Council.	None
<b>XII. New Course</b>		<b>SY 326. Sociology of Gender (3)</b> <b>Analysis of social construction, maintenance, and changes of gender roles in contemporary society, including the impact on education, economy, family, and the criminal justice system. Prerequisite: SY 100.</b>	Our sociology program has no course specifically directed to the question of gender. This new course will correct that omission and will, undoubtedly, be a popular offering.	Approved by the Liberal Arts Academic Council on 10-31-07.	None
<b>XIII. Minor Requirement Change</b>	SOCIOLOGY (LA) 21 SY 100, Principles of Sociology 3 SY 350, Modern Sociological Theory 3 SY 360, Methods of Social Research 3 SY 370, Statistics for the Social Sciences 3 Approved electives in Sociology (from the 300 series) 9	SOCIOLOGY (LA) 21 SY 100, Principles of Sociology 3 <b>SY 110, Social Problems</b> 3 <b>SY 312, Minority Relations</b> 3 SY 350, Modern Sociological Theory 3 Approved electives in Sociology (from the 300 series) 9	This change will make the minor more desirable to the general student and will be consistent with our "core" in sociology.	Approved by the Liberal Arts Academic council on 10-31-07.	

Department of Languages and Literature Contact: [Dr. Tim Edwards](#) ext. 3622 Station # 22

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
<b>I. Course Description Change</b>	EH 310. Popular Culture (2) Study of a popular genre, theme, or mode such as science fiction, the detective story, or film. Specific course content will vary, and the course may be repeated once for a total of four credit hours provided that both courses cover substantially different material. <i>Prerequisite: Six hours of literature on the 200 level or permission of the Dean.</i>	EH 310. Popular Culture (3) Study of a popular genre, theme, or mode such as science fiction, the detective story, or film. Specific course content will vary, and the course may be repeated once for a total of six credit hours provided that both courses cover substantially different material. <i>Prerequisite: Six hours of literature on the 200 level or permission of the Dean.</i>	The two-hour specification was originally intended to be available for English majors to add it to the one-hour Senior Seminar. However, the Senior Seminar has been deleted. We have already changed three of our 300-level literature courses from two hours to three, but somehow this one never got changed.	None. Approved by COLA Academic Council 10/31/07.	None

### College of Natural Sciences & Mathematics

Department of Biological & Environmental Sciences Contact: [Dr. Doug Wymer](#), ext. 3862 Station #7

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
<b>I. Course Description &amp;</b>	EN 404. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and	EN 404. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and	The current course description does not emphasize the computer-based approach taken in the course. Additionally, a	Approved by the Academic Council of the College of Natural Sciences and	None

<b>Prerequisite Change</b>	implementing of scientific research experiments and research programs. Data analysis procedures and methods are needed to manipulate and evaluate data for validation are emphasized. <i>Prerequisites: EN 100 and MH 246.</i>	implementing of scientific research experiments. <b>Computer based data treatment, graphing, and analysis methods are covered in detail. Prerequisites: MH 114 and 20 hours in Biology and/or Environmental Science or permission of the Dean. Computer proficiency in Microsoft Excel and Word is critical.</b>	grammatical error has been eliminated. Since the course has become required for all environmental sciences majors it is not always possible for students to complete MH246 before EN404 with the limited offering of EN404. 20 Hours in biology or environmental sciences should provide the necessary background.	Mathematics, Oct 17, 2007	
<b>II. Course Description &amp; Prerequisite Change</b>	BY 404. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments and research programs. Data analysis procedures and methods are needed to manipulate and evaluate data for validation are emphasized. <i>Prerequisites: EN 100 and MH 246.</i>	BY 404. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments. <b>Computer based data treatment, graphing, and analysis methods are covered in detail. Prerequisites: MH 114 and 20 hours in Biology and/or Environmental Science or permission of the Dean. Computer proficiency in Microsoft Excel and Word is critical.</b>	The current course description does not emphasize the computer-based approach taken in the course. Additionally, a grammatical error has been eliminated. It is not always possible for students to complete MH246 before BY404 with the limited offering of BY404. 20 Hours in biology or environmental sciences should provide the necessary background.	Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	None
<b>III. Course Description &amp; Prerequisite Change</b>	EN 504. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments and research programs. Data analysis procedures and methods are needed to manipulate and evaluate data for validation are emphasized. Three lecture hours per week. <i>Prerequisites: Graduate Standing.</i>	EN 504. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments. <b>Computer based data treatment, graphing, and analysis methods are covered in detail. Prerequisites: Computer proficiency in Microsoft Excel and Word is critical.</b>	The current course description does not emphasize the computer-based approach taken in the course. Additionally, a grammatical error has been eliminated.	Graduate advisors may steer students lacking basic computer skills to CS205 before enrolling them in EN504. Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	
<b>IV. Course Description &amp; Prerequisite Change</b>	BY 504. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments and research programs. Data analysis procedures and methods are needed to manipulate and evaluate data for validation are emphasized. Three lecture hours per week. <i>Prerequisites: Graduate Standing.</i>	BY 504. Techniques of Research Design and Data Analysis (3) A study of the planning, organizing, and implementing of scientific research experiments. <b>Computer based data treatment, graphing, and analysis methods are covered in detail Prerequisites: Graduate standing. Computer proficiency in Microsoft Excel and Word is critical.</b>	The current course description does not emphasize the computer-based approach taken in the course. Additionally, a grammatical error has been eliminated.	Graduate advisors may steer students lacking basic computer skills to CS205 before enrolling them in BY504. Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	

Department of Physical Sciences Contact: [Dr. David Bailey](#), ext. 3728 Station # 23

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.																								
<b>I. Minor Requirement Change</b>	<table border="1"> <tr> <td><b>Chemistry Minor, Current Pattern:</b></td> <td>22</td> </tr> <tr> <td>CH 308, Seminar in Chemistry</td> <td>1</td> </tr> <tr> <td>CH 241, Organic Chemistry I</td> <td>4</td> </tr> <tr> <td>CH 242, Organic Chemistry II</td> <td>4</td> </tr> <tr> <td>CH 321, Quantitative Analysis</td> <td>4</td> </tr> <tr> <td>Approved electives in Chemistry</td> <td>9</td> </tr> </table>	<b>Chemistry Minor, Current Pattern:</b>	22	CH 308, Seminar in Chemistry	1	CH 241, Organic Chemistry I	4	CH 242, Organic Chemistry II	4	CH 321, Quantitative Analysis	4	Approved electives in Chemistry	9	<table border="1"> <tr> <td><b>Chemistry Minor, Proposed Pattern:</b></td> <td>21</td> </tr> <tr> <td><b>CH 111, General Chemistry I</b></td> <td>4</td> </tr> <tr> <td><b>CH 112, General Chemistry II</b></td> <td>4</td> </tr> <tr> <td>CH 308, Seminar in Chemistry</td> <td>1</td> </tr> <tr> <td>CH 241, Organic Chemistry I</td> <td>4</td> </tr> <tr> <td>CH 242, Organic Chemistry II</td> <td>4</td> </tr> </table>	<b>Chemistry Minor, Proposed Pattern:</b>	21	<b>CH 111, General Chemistry I</b>	4	<b>CH 112, General Chemistry II</b>	4	CH 308, Seminar in Chemistry	1	CH 241, Organic Chemistry I	4	CH 242, Organic Chemistry II	4	Previously, the chemistry minor was designed chiefly for other science majors (Biology, Environmental Sciences) who would have taken General Chemistry in their core curriculum. Current trends are for students majoring in the sciences to follow comprehensive patterns that do not require a minor, while increasingly students majoring in non-science areas are showing interest in the chemistry minor.	Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	None
<b>Chemistry Minor, Current Pattern:</b>	22																												
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	(from 300-400 series)	Approved electives in Chemistry (from 300-400 series)	4	The suggested revisions reflect these changes in student demand and needs.																																																																																						
II. New Course		<b>CH 432. Inorganic Chemistry II (4)</b> <b>This course will cover the synthesis and characterization of inorganic materials. Extensive laboratory work is required. Three lecture hours and three laboratory hours per week. Prerequisite or co-requisite: CH 351.</b>		American Chemical Society has changed the guidelines for program approval. For a major, one year of each discipline is required. In addition, redefining of appropriate laboratory hours by ACS has left the major below standards. Thus a laboratory course in inorganic chemistry is needed. This course will be offered when enrollment require the course.	Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	Cost of chemicals and equipments. Lab Fees should be able to cover for this expense																																																																																				
III. New Major		<table border="1"> <tr> <td><b>Comprehensive Chemistry Degree</b></td> <td><b>55-58</b></td> </tr> <tr> <td>CH 241, Organic Chemistry I</td> <td>4</td> </tr> <tr> <td>CH 242, Organic Chemistry II</td> <td>4</td> </tr> <tr> <td>CH 308, Seminar in Chemistry</td> <td>1</td> </tr> <tr> <td>CH 321, Quantitative Analysis</td> <td>4</td> </tr> <tr> <td>CH 351, Physical Chemistry I</td> <td>4</td> </tr> <tr> <td>CH 352, Physical Chemistry II</td> <td>4</td> </tr> <tr> <td>CH 431, Inorganic Chemistry I</td> <td>3</td> </tr> <tr> <td>CH 471, Biochemistry I</td> <td>4</td> </tr> <tr> <td>CH 472, Biochemistry II</td> <td>3</td> </tr> <tr> <td><b>Traditional Track</b></td> <td></td> </tr> <tr> <td>CH 360, Environmental Chemistry</td> <td>3</td> </tr> <tr> <td>CH 422, Instrumental Methods</td> <td>4</td> </tr> <tr> <td>CH 423, Advanced Analytical Chemistry</td> <td>4</td> </tr> <tr> <td>CH 432, Inorganic Chemistry II</td> <td>4</td> </tr> <tr> <td>CH 491, Undergraduate Research</td> <td>2</td> </tr> <tr> <td>MH 213, Linear Algebra</td> <td>3</td> </tr> <tr> <td>MH 223, Multivariable Calculus</td> <td>4</td> </tr> <tr> <td>MH 224, Applied Differential Equations</td> <td>3</td> </tr> <tr> <td><b>Forensic Chemistry Track</b></td> <td></td> </tr> <tr> <td>CH 422, Instrumental Analysis</td> <td>4</td> </tr> <tr> <td>CH 423, Advanced Analytical Chemistry</td> <td>4</td> </tr> <tr> <td>BY 380, Genetics</td> <td>4</td> </tr> <tr> <td>BY 472, Cell Biology</td> <td>4</td> </tr> <tr> <td>CJ 200, Introduction to Criminal Justice</td> <td>3</td> </tr> <tr> <td>SY 381, Introduction to Criminology</td> <td>3</td> </tr> <tr> <td>One of the following</td> <td>4</td> </tr> <tr> <td>BY 222, General Zoology</td> <td></td> </tr> <tr> <td>BY 212, General Botany</td> <td></td> </tr> <tr> <td><b>Biochemistry Track</b></td> <td></td> </tr> <tr> <td>BY 380, Genetics</td> <td>4</td> </tr> <tr> <td>BY 472, Cell Biology</td> <td>4</td> </tr> <tr> <td>MH 223, Multivariable Calculus</td> <td>4</td> </tr> <tr> <td>One of the following</td> <td>4</td> </tr> <tr> <td>CH 422, Instrumental Methods</td> <td></td> </tr> <tr> <td>CH 423, Advanced Analytical Chemistry</td> <td></td> </tr> <tr> <td>One of the following</td> <td>3</td> </tr> <tr> <td>CH 360, Environmental Chemistry</td> <td></td> </tr> <tr> <td>CH 341, Organic Reactions and Mechanisms</td> <td></td> </tr> <tr> <td>One of the following</td> <td>4</td> </tr> <tr> <td>BY 222, General Zoology</td> <td></td> </tr> <tr> <td>BY 212, General Botany</td> <td></td> </tr> </table>	<b>Comprehensive Chemistry Degree</b>	<b>55-58</b>	CH 241, Organic Chemistry I	4	CH 242, Organic Chemistry II	4	CH 308, Seminar in Chemistry	1	CH 321, Quantitative Analysis	4	CH 351, Physical Chemistry I	4	CH 352, Physical Chemistry II	4	CH 431, Inorganic Chemistry I	3	CH 471, Biochemistry I	4	CH 472, Biochemistry II	3	<b>Traditional Track</b>		CH 360, Environmental Chemistry	3	CH 422, Instrumental Methods	4	CH 423, Advanced Analytical Chemistry	4	CH 432, Inorganic Chemistry II	4	CH 491, Undergraduate Research	2	MH 213, Linear Algebra	3	MH 223, Multivariable Calculus	4	MH 224, Applied Differential Equations	3	<b>Forensic Chemistry Track</b>		CH 422, Instrumental Analysis	4	CH 423, Advanced Analytical Chemistry	4	BY 380, Genetics	4	BY 472, Cell Biology	4	CJ 200, Introduction to Criminal Justice	3	SY 381, Introduction to Criminology	3	One of the following	4	BY 222, General Zoology		BY 212, General Botany		<b>Biochemistry Track</b>		BY 380, Genetics	4	BY 472, Cell Biology	4	MH 223, Multivariable Calculus	4	One of the following	4	CH 422, Instrumental Methods		CH 423, Advanced Analytical Chemistry		One of the following	3	CH 360, Environmental Chemistry		CH 341, Organic Reactions and Mechanisms		One of the following	4	BY 222, General Zoology		BY 212, General Botany			<p>Students have requested a comprehensive degree over the past several years.</p> <p><b>Traditional Track</b> This degree option will follow ACS guidelines for the chemistry major. This major will become the ACS approved degree when the chemistry program is approved by the American Chemical Society</p> <p><b>Forensic Chemistry Track</b> This proposal will become the only forensic chemistry track offered by any four year institution for a BA or BS degree. The only forensic program in the state is the MSFS program at UAB. We foresee limited impact to programs and departments at other institutions, while the department forecasts an increase in enrollment due to interest in forensic science in general and forensic chemistry in particular.</p> <p><b>Biochemistry Track</b> This option is designed for those students interested in pursuing advanced degrees biotechnology, for example medicinal chemistry, toxicology, pharmacology etc.</p>	Approved by ACHE 8/2007 Via telephone call Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	None
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<b>Traditional Track</b>																																																																																										
CH 360, Environmental Chemistry	3																																																																																									
CH 422, Instrumental Methods	4																																																																																									
CH 423, Advanced Analytical Chemistry	4																																																																																									
CH 432, Inorganic Chemistry II	4																																																																																									
CH 491, Undergraduate Research	2																																																																																									
MH 213, Linear Algebra	3																																																																																									
MH 223, Multivariable Calculus	4																																																																																									
MH 224, Applied Differential Equations	3																																																																																									
<b>Forensic Chemistry Track</b>																																																																																										
CH 422, Instrumental Analysis	4																																																																																									
CH 423, Advanced Analytical Chemistry	4																																																																																									
BY 380, Genetics	4																																																																																									
BY 472, Cell Biology	4																																																																																									
CJ 200, Introduction to Criminal Justice	3																																																																																									
SY 381, Introduction to Criminology	3																																																																																									
One of the following	4																																																																																									
BY 222, General Zoology																																																																																										
BY 212, General Botany																																																																																										
<b>Biochemistry Track</b>																																																																																										
BY 380, Genetics	4																																																																																									
BY 472, Cell Biology	4																																																																																									
MH 223, Multivariable Calculus	4																																																																																									
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CH 423, Advanced Analytical Chemistry																																																																																										
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CH 360, Environmental Chemistry																																																																																										
CH 341, Organic Reactions and Mechanisms																																																																																										
One of the following	4																																																																																									
BY 222, General Zoology																																																																																										
BY 212, General Botany																																																																																										

<b>IV. Course Description Change</b>	<b>PH 201. College Physics I (4)</b> Non-calculus-based introduction to Newtonian mechanics, energy, and thermodynamics. Three lecture and three laboratory hours per week. <i>Prerequisite: MH 113 or higher.</i>	<b>PH 201. College Physics I (4)</b> Non-calculus-based introduction to Newtonian mechanics, energy, and thermodynamics. Three lecture and <b>two</b> laboratory hours per week. <i>Prerequisite: MH 113 or higher.</i>	Modern digital instrumentation and computer-based data analysis has significantly reduced the amount of time required to collect the necessary data in beginning physics laboratories. Actual time students spend in the laboratory is rarely three full hours these days. Because of this, a number of universities are shortening their introductory labs. In the state of Alabama, Troy, Jacksonville State, Montevallo, UAH, and UNA have already adopted this change. For UWA, this has the added advantage of allowing the physics courses to accommodate more students without the need to hire additional staff or purchase more laboratory equipment. Current physics enrollments have reached the maximum limit possible in the laboratory. By reducing the laboratory contact time to two hours, an additional laboratory section can be scheduled without creating an overload for the current staff. This will allow physics enrollments to grow by 33% before additional staffing and/or equipment will be needed.	Revised syllabi will be submitted to the state articulation committee upon approval by the UAC. No problems are anticipated since this change mirrors similar changes approved and adopted by the universities previously listed. Approved by the Academic Council of the College of Natural Sciences and Mathematics, Oct 17, 2007	None... However, failure to adopt this change may require funding of additional equipment and/or adjunct faculty to support growing enrollments in physics.
<b>V. Course Description Change</b>	<b>PH 202. College Physics II (4) (4)</b> Non-calculus-based introduction to electricity and magnetism, wave motion, and optics. Three lecture and three laboratory hours per week. <i>Prerequisite: PH 201.</i>	<b>PH 202. College Physics II (4)</b> Non-calculus-based introduction to electricity and magnetism, wave motion, and optics. Three lecture and <b>two</b> laboratory hours per week. <i>Prerequisite: PH 201.</i>	As above	As above	As above
<b>VI. Course Description Change</b>	<b>PH 211. Technical Physics I (4)</b> A calculus-based study of Newtonian mechanics, energy, and thermodynamics. Three lecture and three laboratory hours per week. <i>Prerequisite: MH 121, or permission of the Dean.</i>	<b>PH 211. Technical Physics I (4)</b> A calculus-based study of Newtonian mechanics, energy, and thermodynamics. Three lecture and <b>two</b> laboratory hours per week. <i>Prerequisite: MH 121, or permission of the Dean.</i>	As above	As above	As above
<b>VII. Course Description Change</b>	<b>PH 212. Technical Physics II (4)</b> A calculus-based study of electricity and magnetism, wave motion, and optics. Three lecture and three laboratory hours per week. <i>Prerequisites: PH 211 and MH 122.</i>	<b>PH 212. Technical Physics II (4)</b> A calculus-based study of electricity and magnetism, wave motion, and optics. Three lecture and <b>two</b> laboratory hours per week. <i>Prerequisites: PH 211 and MH 122.</i>	As above	As above	As above