

**Attachment 2**  
**Academic Affairs Committee**  
**Discussion Agenda Items – Supplemental Information**

1. College of Arts and Sciences (approved by college on April 4, 2013):

Changes to Dual Degree Distribution Requirements  
Pages 2-13

2. College of Education (approved by college on February 26, 2013):

Add:  
Graduate Certificate in TESL for Adult Learners  
Page 14

3. Graduate School (approved by Graduate Council on April 2, 2013):

Add:  
Graduate Certificate in Genetics, Genomics, and Biotechnology  
Page 15 – **Refer to Attachment 3**

4. College of Technology and Aviation, K-State Salina (approved by college on March 8, 2013):

Add:  
New option in Bachelor of Science in Engineering Technology: Digital Media Technology  
Option (BETB-DM).  
Pages 16-27

# College of Arts and Sciences

## Dual Degree Requirements

FROM:

TO:

### Degree Requirements

At least 120 credit hours are required for graduation.

Courses numbered below 100 may not be applied toward a degree. In addition to the university's limit on credits for extracurricular work, no more than 4 credit hours in lifetime sports and exercise activity classes may be applied toward a degree.

### Common degree requirements

(Three courses, 8 credit hours minimum)

Purpose: to give students practice in oral presentation and in writing and analyzing expository and argumentative prose.

Course	Course Title	Credit hours
<a href="#">ENGL 100</a>	Expository Writing I	3
<a href="#">ENGL 200</a>	Expository Writing II	3
<a href="#">COMM 105</a> or	Public Speaking IA or	2
<a href="#">COMM 106</a>	Public Speaking I	3

### Bachelor of Arts and Bachelor of Sciences

### College of Arts and Sciences basic requirements

The aim of these requirements is to provide breadth in the major areas of knowledge outside of the student's field of specialization. Introductory and intermediate-level courses are available in departments in humanities, social sciences, and natural sciences. Basic requirements are to be fulfilled with courses chosen by students in

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<a href="#">ENGL 200</a>	Expository Writing II	3
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<a href="#">COMM 106</a>	Public Speaking I	3

### Bachelor of Arts and Bachelor of Sciences

### College of Arts and Sciences basic requirements

The aim of these requirements is to provide breadth in the major areas of knowledge outside of the student's field of specialization. Introductory and intermediate-level courses are available in departments in humanities, social sciences, and natural sciences. Basic requirements are to be fulfilled with courses chosen by students in

<p>consultation with their advisor. The requirement in the humanities enables students to appreciate and understand creative and conceptual human endeavor.</p> <p>The requirement in the social sciences improves the student's ability to analyze and understand human social systems. The requirement in the natural sciences develops the student's knowledge of the principles of scientific method as they are applied in the life and physical science.</p> <p>Up to two courses from one department may be used to fulfill the distribution requirements for humanities and the social sciences. They may be used at the same time to count towards the student's major. No course may be used to satisfy more than one specific requirement for humanities and social sciences. Only courses taken for 2 or more credit hours satisfy these requirements; courses in excess of 5 credit hours count as two courses.</p> <p>At least 120 credit hours are required for graduation.</p> <p><b>Humanities</b></p> <p>Four courses, one course for each section, 11 credit hours minimum</p> <p><b>Fine arts</b> (one course, or at least two credits) Purpose: to ensure some interpretive or expressive competence in a traditional nonliterary mode of artistic expression.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Anthropology—ANTH 515, 516, or 517</li> <li>• Art—ART 301, 305, 400, 560, or 636</li> <li>• Art History—any course</li> <li>• Art Technique—ART 200 to 799</li> <li>• Dance—DANCE 181, 205, 323, 324, 325, 326, 371, 381, 399, or 459</li> <li>• Dean of Arts &amp; Sciences—DAS 100</li> </ul>	<p>consultation with their advisor. The requirement in the humanities enables students to appreciate and understand creative and conceptual human endeavor.</p> <p>The requirement in the social sciences improves the student's ability to analyze and understand human social systems. The requirement in the natural sciences develops the student's knowledge of the principles of scientific method as they are applied in the life and physical science.</p> <p>Up to two courses from one department may be used to fulfill the distribution requirements for humanities and the social sciences. They may be used at the same time to count towards the student's major. No course may be used to satisfy more than one specific requirement for humanities and social sciences. Only courses taken for 2 or more credit hours satisfy these requirements; courses in excess of 5 credit hours count as two courses.</p> <p>At least 120 credit hours are required for graduation.</p> <p><b>Humanities</b></p> <p>Four courses, one course for each section, 11 credit hours minimum</p> <p><b>Fine arts</b> (one course, or at least two credits) Purpose: to ensure some interpretive or expressive competence in a traditional nonliterary mode of artistic expression.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Anthropology—ANTH 515, 516, or 517</li> <li>• Art—ART 301, 305, 400, 560, or 636</li> <li>• Art History—any course</li> <li>• Art Technique—ART 200 to 799</li> <li>• Dance—DANCE 181, 205, 323, 324, 325, 326, 371, 381, 399, or 459</li> <li>• Dean of Arts &amp; Sciences—DAS 100</li> </ul>
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<ul style="list-style-type: none"> <li>• Music—MUSIC 100, 112, 170, 210, 220, 230, 245, 250, 255, 280, 310, 385, 420, 424, 455, 480, 570, 601, or 650.</li> <li>• Theatre—THTRE 260 to 799</li> </ul> <p><b>Philosophy</b> (one course) Purpose: to ensure some interpretive or expressive competence in the fundamental conceptual issues of human thought and activity.</p> <p>Choose any philosophy course except PHILO 110, 320, or 510.</p> <p><b>Western heritage</b> (one course) Purpose: to ensure some interpretive or expressive competence regarding the institutions, traditions, and values that have shaped Western civilization.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• American Ethnic Studies—AMETH 160, 449, 450, 451, 452, 453, 454, 501, or 560</li> <li>• Constitutional Law—POLSC 614, 615, or 799</li> <li>• Dean of Arts &amp; Sciences—DAS 300</li> <li>• English—ENGL 230, 231, 233, or 234 (Western Humanities)</li> <li>• Foreign Civilizations—FREN 514, GRMN 530, SPAN 565, SPAN 566, or SPAN 572</li> <li>• History—courses dealing with the Greco-Roman, Western European, or North American experience; HIST 515</li> <li>• History of Sport (cross-listed with KIN 515)</li> <li>• Kinesiology—KIN 515 (cross-listed with HIST 515)</li> <li>• Music—MUSIC 245</li> <li>• Political Thought—POLSC 301, 661, 663, 667, 671, or 675</li> <li>• Sociology—SOCIO 507</li> <li>• Women’s Studies—WOMST 105, 205, 410, 480, 500, 551, or 610</li> <li>• Theatre—THTRE 572 or 573</li> </ul> <p><b>Literary or rhetorical arts</b> (one course) Purpose: to ensure some interpretive or expressive</p>	<ul style="list-style-type: none"> <li>• Music—MUSIC 100, 112, 170, 210, 220, 230, 245, 250, 255, 280, 310, 385, 420, 424, 455, 480, 570, 601, or 650.</li> <li>• Theatre—THTRE 260 to 799</li> </ul> <p><b>Philosophy</b> (one course) Purpose: to ensure some interpretive or expressive competence in the fundamental conceptual issues of human thought and activity.</p> <p>Choose any philosophy course except PHILO 110, 320, or 510.</p> <p><b>Western heritage</b> (one course) Purpose: to ensure some interpretive or expressive competence regarding the institutions, traditions, and values that have shaped Western civilization.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• American Ethnic Studies—AMETH 160, 449, 450, 451, 452, 453, 454, 501, or 560</li> <li>• Constitutional Law—POLSC 614, 615, or 799</li> <li>• Dean of Arts &amp; Sciences—DAS 300</li> <li>• English—ENGL 230, 231, 233, or 234 (Western Humanities)</li> <li>• Foreign Civilizations—FREN 514, GRMN 530, SPAN 565, SPAN 566, or SPAN 572</li> <li>• History—courses dealing with the Greco-Roman, Western European, or North American experience; HIST 515</li> <li>• History of Sport (cross-listed with KIN 515)</li> <li>• Kinesiology—KIN 515 (cross-listed with HIST 515)</li> <li>• Music—MUSIC 245</li> <li>• Political Thought—POLSC 301, 661, 663, 667, 671, or 675</li> <li>• Sociology—SOCIO 507</li> <li>• Women’s Studies—WOMST 105, 205, 410, 480, 500, 551, or 610</li> <li>• Theatre—THTRE 572 or 573</li> </ul> <p><b>Literary or rhetorical arts</b> (one course) Purpose: to ensure some interpretive or expressive</p>
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competence in a traditional literary or rhetorical mode of artistic expression.

Choose from the following:

- English—literature or creative writing—ENGL 220 to 799 except 300, 400, 415, 430, 435, 476, 490, 492, 499, 516, 600-604, 757, or 759
- Communication Studies—COMM 120, 325, or 480
- History of rhetoric—COMM 320, 330, 331, 430, 432, 434, 460, 725, 730, 732, 733, or POLSC 670
- Modern Languages—literature courses including literature in translation
- Theatre—THTRE 370, 662, or 764

Exception: Students in BS programs who take two courses in one foreign language may use these to satisfy the requirements for Western heritage and for literary and rhetorical arts.

### **Social science**

Four courses, 12 credit hours minimum, from at least three disciplines.

Purpose: to acquaint students with the adaptation of scientific method to the analysis of human social systems.

One course must be at 500 level or above, or carry a prerequisite in the same department.

Three of the four courses must be from these areas:

- Cultural Anthropology—including archaeology
- Economics—any course
- Geography—any course except GEOG 221, 321, or 535
- History—any course
- Mass Communications—MC 110, 112, 120,

competence in a traditional literary or rhetorical mode of artistic expression.

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- Cultural Anthropology—including archaeology
- Economics—any course
- Geography—any course except GEOG 221, 321, or 535
- History—any course
- Mass Communications—MC 110, 112, 120,

<p>180, 331, 396, 531, 572, 573, 576, 585, 600, 612, 623, or 670</p> <ul style="list-style-type: none"> <li>• Political Science—any course</li> <li>• Psychology—any course</li> <li>• Sociology—any course</li> </ul> <p>The fourth course must be from the above areas or from:</p> <ul style="list-style-type: none"> <li>• American ethnic studies—AMETH 160, 499, 501, 550, or 650</li> <li>• Anthropology—ANTH 520</li> <li>• Communication Studies—COMM 323, 326, 420, 425, 435, 526, 542, 550, 720, 726, 742, or 756</li> <li>• Gerontology—GERON 315, 600, or 615</li> <li>• Kinesiology—KIN 320, 330, 345, 346, or 435</li> <li>• Linguistics—any course except LG 601</li> <li>• Women’s Studies—WOMST 105, 205, 300, 450, 480, 500, 551, 590, or 610</li> </ul> <p><b>Natural sciences</b></p> <p>BS Degree: Four courses, 14 credit hours minimum. BA Degree: Three courses, 11 credit hours minimum.</p> <ol style="list-style-type: none"> <li>1. Life Sciences with a lab</li> <li>2. Physical Sciences with a lab</li> <li>3. Life or Physical Sciences, including additional Natural Science</li> </ol> <p><b>Life science</b> (one 3- or 4-hour course with laboratory) Purpose: to introduce students to the systematic study of organisms and their interrelationships.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—any course</li> <li>• Biology—any course</li> <li>• Paleobiology—GEOL 581 or 704</li> <li>• Physical anthropology—ANTH 280, 281,</li> </ul>	<p>180, 331, 396, 531, 572, 573, 576, 585, 600, 612, 623, or 670</p> <ul style="list-style-type: none"> <li>• Political Science—any course</li> <li>• Psychology—any course</li> <li>• Sociology—any course</li> </ul> <p>The fourth course must be from the above areas or from:</p> <ul style="list-style-type: none"> <li>• American ethnic studies—AMETH 160, 499, 501, 550, or 650</li> <li>• Anthropology—ANTH 520</li> <li>• Communication Studies—COMM 323, 326, 420, 425, 435, 526, 542, 550, 720, 726, 742, or 756</li> <li>• Gerontology—GERON 315, 600, or 615</li> <li>• Kinesiology—KIN 320, 330, 345, 346, or 435</li> <li>• Linguistics—any course except LG 601</li> <li>• Women’s Studies—WOMST 105, 205, 300, 450, 480, 500, 551, 590, or 610</li> </ul> <p><b>Natural sciences</b></p> <p>BS Degree: Four courses, 14 credit hours minimum. BA Degree: Three courses, 11 credit hours minimum.</p> <ol style="list-style-type: none"> <li>1. Life Sciences with a lab</li> <li>2. Physical Sciences with a lab</li> <li>3. Life or Physical Sciences, including additional Natural Science</li> </ol> <p><b>Life science</b> (one 3- or 4-hour course with laboratory) Purpose: to introduce students to the systematic study of organisms and their interrelationships.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—any course</li> <li>• Biology—any course</li> <li>• Paleobiology—GEOL 581 or 704</li> <li>• Physical anthropology—ANTH 280, 281,</li> </ul>
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<p>680, 684, 688, 691, 694, or 695</p> <p><b>Physical science</b> (one course with laboratory) Purpose: to introduce students to the appropriate attitudes and methods that characterize the systematic study of matter and energy.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—BIOCH 265 to 799</li> <li>• Chemistry—any course</li> <li>• Environmental geography—GEOG 221, 535, or 735</li> <li>• Geology—any course except GEOL 581 or 704</li> <li>• Physics—any course</li> </ul> <p><b>Additional Natural Sciences</b> (for 3rd requirement only)</p> <ul style="list-style-type: none"> <li>• Kinesiology—KIN 220 or 310</li> </ul> <p>4. BS Degree Only: One course, 3 credit hour minimum) with a prerequisite in the same department chosen from:</p> <ul style="list-style-type: none"> <li>• Life or Physical Sciences listed in #3 above</li> <li>• Biochemistry course with a chemistry prerequisite</li> <li>• Dean of Arts &amp; Sciences—DAS 333</li> <li>• Kinesiology—KIN 330, 335, or 650</li> <li>• Psychology—PSYCH 470 or 480 (you may use only one of these)</li> <li>• BIOL 310 does not fulfill this requirement</li> </ul> <p>NOTE: Only courses taken for 2 or more credit hours satisfy these requirements and courses in excess of 5 credit hours count as two courses.</p> <p><b>International studies overlay</b></p> <p>One course.</p> <p>Purpose: to equip students better to become citizens of a world where the most important problems are unavoidably defined in international terms and to understand cultures of the world</p>	<p>680, 684, 688, 691, 694, or 695</p> <p><b>Physical science</b> (one course with laboratory) Purpose: to introduce students to the appropriate attitudes and methods that characterize the systematic study of matter and energy.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—BIOCH 265 to 799</li> <li>• Chemistry—any course</li> <li>• Environmental geography—GEOG 221, 535, or 735</li> <li>• Geology—any course except GEOL 581 or 704</li> <li>• Physics—any course</li> </ul> <p><b>Additional Natural Sciences</b> (for 3rd requirement only)</p> <ul style="list-style-type: none"> <li>• Kinesiology—KIN 220 or 310</li> </ul> <p>4. BS Degree Only: One course, 3 credit hour minimum) with a prerequisite in the same department chosen from:</p> <ul style="list-style-type: none"> <li>• Life or Physical Sciences listed in #3 above</li> <li>• Biochemistry course with a chemistry prerequisite</li> <li>• Dean of Arts &amp; Sciences—DAS 333</li> <li>• Kinesiology—KIN 330, 335, or 650</li> <li>• Psychology—PSYCH 470 or 480 (you may use only one of these)</li> <li>• BIOL 310 does not fulfill this requirement</li> </ul> <p>NOTE: Only courses taken for 2 or more credit hours satisfy these requirements and courses in excess of 5 credit hours count as two courses.</p> <p><b>International studies overlay</b></p> <p>One course.</p> <p>Purpose: to equip students better to become citizens of a world where the most important problems are unavoidably defined in international terms and to understand cultures of the world</p>
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<p>outside the Western tradition.</p> <p>A student must take one course of which at least half is devoted to: economic, political, and social relations or interactions between or among different countries, in which the major focus is upon the interdependency of nations of the modern world; or contemporary features or historical traditions of non-Western cultures (excluding those dealing primarily with Greek, Roman, Western European, or North American experience).</p> <p>Students may satisfy the international studies requirement at the same time they satisfy requirements in the major, in the humanities, or the social sciences. These courses qualify:</p> <ul style="list-style-type: none"> <li>• Anthropology—ANTH 200, 204, 220, 260, 505, 508, 511, 512, 515, 516, 517, 536, 545, 550, 604, 618, 630, 634, 673, or 676</li> <li>• Communication Studies—COMM 480, 756, or 780</li> <li>• Economics—ECON 505, 507, 536, 681, or 682</li> <li>• English—ENGL 580</li> <li>• Geography—GEOG 100, 200, 201, 505, 620, 622, 640, 650, or 715</li> <li>• History—HIST 112, 250, 303, 330, 332, 501, 504, 505, 509, 510, 514, 543, 544, 545, 560, 561, 562, 576, 577, 578, 591, 592, 593, or 598</li> <li>• Mass Communications—MC 662 or 725</li> <li>• Management—MANGT 690</li> <li>• Marketing—MKTG 544</li> <li>• Modern Languages—Any Level 4 or above language course in French, German, and Spanish, including translation courses</li> <li>• Political Science—POLSC 333, 505, 511, 541, 543, 545, 622, 623, 624, 626, 627, 629, 643, 645, 647, 651, 652, 653, or 655</li> <li>• Sociology—SOCIO 363, 505, 507, 522, 535, 618, or 742</li> </ul>	<p>outside the Western tradition.</p> <p>A student must take one course of which at least half is devoted to: economic, political, and social relations or interactions between or among different countries, in which the major focus is upon the interdependency of nations of the modern world; or contemporary features or historical traditions of non-Western cultures (excluding those dealing primarily with Greek, Roman, Western European, or North American experience).</p> <p>Students may satisfy the international studies requirement at the same time they satisfy requirements in the major, in the humanities, or the social sciences. These courses qualify:</p> <ul style="list-style-type: none"> <li>• Anthropology—ANTH 200, 204, 220, 260, 505, 508, 511, 512, 515, 516, 517, 536, 545, 550, 604, 618, 630, 634, 673, or 676</li> <li>• Communication Studies—COMM 480, 756, or 780</li> <li>• Economics—ECON 505, 507, 536, 681, or 682</li> <li>• English—ENGL 580</li> <li>• Geography—GEOG 100, 200, 201, 505, 620, 622, 640, 650, or 715</li> <li>• History—HIST 112, 250, 303, 330, 332, 501, 504, 505, 509, 510, 514, 543, 544, 545, 560, 561, 562, 576, 577, 578, 591, 592, 593, or 598</li> <li>• Mass Communications—MC 662 or 725</li> <li>• Management—MANGT 690</li> <li>• Marketing—MKTG 544</li> <li>• Modern Languages—Any Level 4 or above language course in French, German, and Spanish, including translation courses</li> <li>• Political Science—POLSC 333, 505, 511, 541, 543, 545, 622, 623, 624, 626, 627, 629, 643, 645, 647, 651, 652, 653, or 655</li> <li>• Sociology—SOCIO 363, 505, 507, 522, 535, 618, or 742</li> </ul>
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<ul style="list-style-type: none"> <li>• Women's Studies—WOMST 380 or 580</li> </ul> <p>Students may use the fourth course in a single foreign language sequence (other than Latin) to satisfy the international studies overlay requirement.</p> <p><b>Additional requirements for the BA</b></p> <p><b>Foreign language</b> Level 4 (i.e., French 4, German 4, Spanish 4, etc.) or the equivalent of level 4 in a foreign language sequence offered by the Department of Modern Languages. (Conversation "4A" courses do not meet the level 4 requirement.)</p> <p>Purpose: to bring students to a point at which they are able to proceed on their own to a command of a second language—a key for access both to a foreign culture and to much primary and secondary material in many special fields.</p> <p>Exception: Students who take a language that is normally offered for only two semesters (Latin 141 and 142, for example) may complete their requirement by taking two additional semesters in another language.</p> <p><b>Mathematics</b> (One 3-credit-hour course, 100-799 level, or any other course for which there is a mathematics prerequisite) Purpose: to give students a college-level competence in mathematical reasoning and analysis.</p> <p>Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.</p> <p><b>Additional requirements for the BS</b></p> <p><b>Natural sciences</b> (One course, 3 credit hours minimum, with a prerequisite in the same department; for this requirement, biochemistry courses with a chemistry prerequisite qualify as upper-level courses.)</p>	<ul style="list-style-type: none"> <li>• Women's Studies—WOMST 380 or 580</li> </ul> <p>Students may use the fourth course in a single foreign language sequence (other than Latin) to satisfy the international studies overlay requirement.</p> <p><b>Additional requirements for the BA</b></p> <p><b>Foreign language</b> Level 4 (i.e., French 4, German 4, Spanish 4, etc.) or the equivalent of level 4 in a foreign language sequence offered by the Department of Modern Languages. (Conversation "4A" courses do not meet the level 4 requirement.)</p> <p>Purpose: to bring students to a point at which they are able to proceed on their own to a command of a second language—a key for access both to a foreign culture and to much primary and secondary material in many special fields.</p> <p>Exception: Students who take a language that is normally offered for only two semesters (Latin 141 and 142, for example) may complete their requirement by taking two additional semesters in another language.</p> <p><b>Mathematics</b> (One 3-credit-hour course, 100-799 level, or any other course for which there is a mathematics prerequisite) Purpose: to give students a college-level competence in mathematical reasoning and analysis.</p> <p>Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.</p> <p><b>Additional requirements for the BS</b></p> <p><b>Natural sciences</b> (One course, 3 credit hours minimum, with a prerequisite in the same department; for this requirement, biochemistry courses with a chemistry prerequisite qualify as upper-level courses.)</p>
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<p>Purpose: to give students who elect the bachelor of science degree an especially solid foundation in the natural sciences.</p> <p>Courses that qualify are those listed earlier under natural sciences, and:</p> <ul style="list-style-type: none"> <li>• Kinesiology—KIN 330, 335, or 650</li> <li>• Psychology—PSYCH 470 or 480</li> </ul> <p><b>Quantitative and abstract formal reasoning</b></p> <p>Purpose: to give students training in a clear, non-ambiguous, simplified language for the efficient transfer and logical analysis of information—a language in which a good deal of discussion is conducted in the sciences.</p> <p>A course that satisfies this requirement may at the same time be used to satisfy any major requirement for which it qualifies. Students may fulfill this requirement ONE of three ways:</p> <ol style="list-style-type: none"> <li>1. Three courses, 9 credit hours minimum, selected from: Computer science—CIS 111, 200 level or above Mathematics—MATH 100 level or above Philosophy—PHILO 110, 112, 320, or 510 Statistics—any course</li> <li>2. One course and its Level II prerequisite, selected from: Geography—GEOG 700 (with a statistics course) Physics—PHYS 113 (with MATH 150) PHYS 223 (with MATH 221) PHYS 224 (with MATH 221) PHYS 325 (with MATH 222) PHYS 452 (with MATH 150) Sociology—SOCIO 520 (with STAT 325) Social work—SOCWK 330 and 530 (with STAT 325)</li> <li>3. Equivalent competency: Competency may be demonstrated by taking two Level II courses or a Level III course from:</li> </ol> <p><b>Level II courses (two courses):</b></p>	<p>Purpose: to give students who elect the bachelor of science degree an especially solid foundation in the natural sciences.</p> <p>Courses that qualify are those listed earlier under natural sciences, and:</p> <ul style="list-style-type: none"> <li>• Kinesiology—KIN 330, 335, or 650</li> <li>• Psychology—PSYCH 470 or 480</li> </ul> <p><b>Quantitative and abstract formal reasoning</b></p> <p>Purpose: to give students training in a clear, non-ambiguous, simplified language for the efficient transfer and logical analysis of information—a language in which a good deal of discussion is conducted in the sciences.</p> <p>A course that satisfies this requirement may at the same time be used to satisfy any major requirement for which it qualifies. Students may fulfill this requirement ONE of three ways:</p> <ol style="list-style-type: none"> <li>1. Three courses, 9 credit hours minimum, selected from: Computer science—CIS 111, 200 level or above Mathematics—MATH 100 level or above Philosophy—PHILO 110, 112, 320, or 510 Statistics—any course</li> <li>2. One course and its Level II prerequisite, selected from: Geography—GEOG 700 (with a statistics course) Physics—PHYS 113 (with MATH 150) PHYS 223 (with MATH 221) PHYS 224 (with MATH 221) PHYS 325 (with MATH 222) PHYS 452 (with MATH 150) Sociology—SOCIO 520 (with STAT 325) Social work—SOCWK 330 and 530 (with STAT 325)</li> <li>3. Equivalent competency: Competency may be demonstrated by taking two Level II courses or a Level III course from:</li> </ol> <p><b>Level II courses (two courses):</b></p>
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<p>Computer science—CIS 200  Mathematics—MATH 150, 205, 210, or 312  Philosophy—PHILO 510  Statistics—STAT 325 or 340 or 350, 703</p> <p><b>Level III courses (one course):</b>  Computer science—CIS 300  Mathematics—MATH 220  Philosophy—PHILO 701  Statistics—STAT 341, 351, 704, or 705</p>	<p>Computer science—CIS 200  Mathematics—MATH 150, 205, 210, or 312  Philosophy—PHILO 510  Statistics—STAT 325 or 340 or 350, 703</p> <p><b>Level III courses (one course):</b>  Computer science—CIS 300  Mathematics—MATH 220  Philosophy—PHILO 701  Statistics—STAT 341, 351, 704, or 705</p> <p><u>Dual Degree BA or BS</u></p> <p><u>Students have the option of seeking a dual degree BA or BS. The dual degree seeking student is one who is enrolled in two BA or BS programs, only one of which is within the College of Arts and Sciences. The following distribution requirements apply exclusively to dual degree seeking students. They may not be applied to dual majors, who are students seeking two majors within the College of Arts and Sciences.</u></p> <p><u>Dual degree seeking BA students must fulfill all the requirements for the College of Arts and Sciences in at least two of the four required areas (Humanities, Social Science, Natural Science, and Additional Requirements of the BA), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</u></p> <p><u>Dual degree seeking BS students must fulfill all the requirements for the College of Arts and Sciences in at least two of the four required areas (Humanities, Social Science, Natural Science, and Additional Requirements of the BS), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</u></p> <p><u>Dual degree seeking students must meet the International Studies Overlay requirement.</u></p> <p><u>Half of the distribution requirements in each area</u></p>
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	<p>are:</p> <p><b><u>Humanities</u></b></p> <p><u>One course from Philosophy (3 credits) and one course in the Fine Arts, Western Heritage, or Literary or Rhetorical Arts (3 credits).</u></p> <p><u>Dual degree seeking students enrolled in Biochemistry and Molecular Physics, Biology, Chemistry, Geology, Mathematics, Physics, Physical Sciences, Natural Sciences, or Statistics, are required to take <b>PHILO 501: Perspectives on Science</b> to meet the Philosophy requirement.</u></p> <p><b><u>Social Science</u></b></p> <p><u>Two courses, 6 credit hours, from two disciplines.</u></p> <p><b><u>Natural Sciences</u></b></p> <p><u>BS or BA Degrees, 7 credit hours minimum, from two disciplines.</u></p> <p><u>Any science course with lab, and one other science course from a different discipline.</u></p> <p><b><u>Additional Requirements for BA</u></b></p> <p><u>At least a level 2 (i.e., French 2, German 2, Spanish 2, etc.) or the equivalent of level 2 in a foreign language sequence offered by the Department of Modern Languages. No additional Mathematics requirement. Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.</u></p> <p><b><u>Additional Requirements for BS</u></b></p> <p><u>At least a level 2 equivalent competency in the areas of quantitative and abstract formal reasoning. No additional Natural Sciences requirement. Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.</u></p>
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**RATIONALE:** Dual degree students, enrolled in a program in the College of Arts and Sciences and a program from another college, must satisfy each college's separate requirements. For dual degree seeking students from colleges of Education, Business, Engineering, and Human Ecology, much of their requirements are dictated by licensure and/or professional accreditation bodies. In addition, the general requirements for Arts and Sciences BA and BS degrees is extensive, translating to more than 48 hours for most students. Taken together, to graduate a dual degree seeking student must fulfill many more hours beyond 120 hours to graduate, extending their stay in college by one to three semesters. This proposal seeks to encourage more dual degree seeking students by allowing BA or BS dual degree students to fulfill half of the distribution requirements in two of the four areas (Humanities, Social Sciences, Natural Sciences, and Additional Requirements). The benefit of this proposal is that it will encourage more students in other colleges to seek dual degree opportunities in A&S. Perhaps this is most the case for students preparing to be K-12 teachers in the College of Education. Teachers with a substantive major have been shown to be much more effective classroom teachers. However, because majoring in a substantive area is not required for licensure and the total number of hours is about 135 to complete a dual degree, most College of Education major forgo the additional semester to begin their career. As a consequence, departments especially in the STEM disciplines losing majors that they may otherwise be able to add to their programs. Other dual degree opportunities between business majors with an international focus and the Modern Languages are even more difficult to achieve under the current guidelines.

**IMPACT:** College of Arts and Sciences and all other colleges on the Manhattan campus except for Vet Med and Architecture and Design. No impact for the College of Technology and Aviation. The College of Engineering, Education, Agriculture, Business Administration, Human Ecology, and Architecture and Design have all expressed support. All of the departments in the College of Arts and Sciences have expressed support also.

**EFFECTIVE DATE:** Fall 2013

## College of Education

### Non-Expedited New Curriculum – College of Education

**Program Name:** Teaching English as Second Language (TESL) for Adult Learners (Graduate Certificate Program)

	<p>This 18-credit hour online graduate certificate emphasizes instructional methods and principles of learning that promote linguistic, cognitive, and academic development for culturally and linguistically diverse (CLD) adult learners in various educational settings.</p> <p>Admission criteria: A bachelor degree from a regionally accredited institution or international equivalent. A statement of objectives explaining how this graduate certificate will support career goals or profession. As many of the students in this certificate program could be second language learners themselves, the <b>Graduate School: English Proficiency Requirements</b> will be included in the application materials.</p> <p>Required course: EDACE 790: Characteristics of the Adult Learner (3 credits) EDACE 820: Principles of Teaching Adult (3 credits) EDACE 822: International Adult Education and Literacy (3 credits) EDCI 720: ESL/Dual Language Methods (3 credits) EDCI 742: ESL/Dual Language Assessment (3 credits) EDCI 731: ESL/Dual Language Linguistics (3 credits)</p>
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**IMPACT:** None. The Modern Languages Department was contacted to make sure there was not impact concerning the Teaching English as Foreign Language Program. The approaches and audiences are completely different.

**RATIONALE:** With increasing globalization of industry calling for greater capacities of executives and employees in countries around the world to be proficient in the English language (e.g., Aviles, 2011) and to have skills in cross-cultural communication, this program is marketable to an international audience. Teaching English as A Second Language to adult learners is a growing need for industry and education sectors. The primary audience will be U.S. education professionals who are striving to meet the needs of adult learners who reflect the changing demographics of our nation. There is a great need for a program that assist people in teaching English as a second language to an adult population.

**EFFECTIVE DATE:** Fall 2013

## **Graduate School**

**Add:**

**Genetics, Genomics, and Biotechnology Graduate Certificate Program**

**See attachment 3**

## College of Technology and Aviation, K-State Salina

### NEW B.S. DEGREE OPTION IN ENGINEERING TECHNOLOGY: DIGITAL MEDIA TECHNOLOGY

<b>Digital media technology option (BETB-DM)</b>	
121 hours required for graduation	
<b>Major requirements (63 credit hours)</b>	
<b>Core courses (51 credit hours)</b>	
CMST 102 Introduction to Computer Technology .....	3
CMST 103 Introduction to Program Design .....	3
CMST 115 Graphics Software Applications .....	3
CMST 135 Web Page Development I .....	3
CMST 137 Fundamentals of Visual Literacy .....	3
CMST 146 Digital Photography .....	3
CMST 180 Introduction to Database Systems .....	3
CMST 216 Digital Media I .....	3
CMST 247 Java Programming I .....	3
CMST 250 Networking I .....	3
CMST 256 Digital Media II .....	3
CMST 323 Game Programming .....	3
CMST 326 Page Layout and Type .....	3
CMST 336 Digital Media Project .....	3
CMST 356 Motion Graphics Technology .....	3
CMST 406 Social Media Technology .....	3
CMST 456 Digital Media Senior Project .....	3
ETA 020 Engineering Technology Seminar .....	0
<b>Computer systems technology electives (12 credit hours, 9 credits upper division)</b>	
Choose four additional computer system technology classes:	
CMST 155 Web Page Development II .....	3
CMST 270 Introduction to Unix .....	3
CMST 310 Visual Basic Programming .....	3
CMST 315 Networking II .....	3
CMST 317 C# Programming .....	3
CMST 323 Game Programming .....	3
CMST 335 Web Programming .....	3
CMST 341 C++ Programming .....	3
CMST 344 Internetworking .....	3
CMST 347 Java Programming II .....	3
CMST 350 Unix Administration .....	3
CMST 355 Network Programming .....	3
CMST 362 Introduction to Business Programming .....	3
CMST 370 Applied Data Structures .....	3
CMST 410 Operating Systems .....	3
CMST 412 Software Architecture and Design .....	3
CMST 420 Advanced Database Systems .....	3
CMST 445 Network Security .....	3
CMST 470 Applied Algorithm Design .....	3
<b>Math requirements (9 credit hours)</b>	
<i>Choose from:</i>	
MATH 100 College Algebra .....	3
MATH 150 Plane Trigonometry .....	3
<i>or</i>	
MATH 151 Applied Plane Trigonometry .....	2
MATH 205 General Calculus and Linear Algebra .....	3
<i>or</i>	
MATH 220 Analytic Geometry and Calculus I .....	4
MATH 221 Analytic Geometry and Calculus II .....	4
STAT 325 Introduction to Statistics .....	3
<b>Other requirements (30 credit hours)</b>	
COMM 105 Public Speaking IA .....	2
ENGL 100 Expository Writing I .....	3
ENGL 200 Expository Writing II .....	3
ENGL 302 Technical Writing .....	3
PSYCH 110 General Psychology .....	3
ECON 110 Principles Of Macroeconomics .....	3
PHYS 113 General Physics .....	4
MKTG 400 Introduction to Marketing .....	3
PHILO 105 Introduction to Critical Thinking .....	3
PHILO 390 Business Ethics .....	3
<b>Other electives (10 credit hours)*</b>	
Science Elective .....	4
Business Elective .....	3
Humanities/Social Science Elective .....	3
<b>Unrestricted Electives (9 credit hours)*</b>	
* Electives should be selected to meet Kansas Board of Regents requirement of 45 upper-division credit hours (>=300)	

#### RATIONALE:

Digital communications have exploded in recent years. Digital media hardware and software have become affordable to most businesses and institutions. However, access to these tools does not guarantee competence in using them. The K-State bachelor's degree in digital media technology will help to meet the anticipated growth in technology careers.

The US Department of Labor and Statistics occupational outlook for software developers is extremely favorable with 30% projected growth over the next decade. The current number of new computing jobs outpaces new graduates in computing by 3.5 jobs per degree awarded. ([www.bls.gov](http://www.bls.gov)) This degree is designed to provide graduates to a portion



of this growth. The degree provides both the digital media content and technical computer programming to make these graduates uniquely qualified in their field.

Computer technology has historically been a male-dominated degree. Digital media combines visual communication with computer technology, bringing diversity to the degree by expanding into new areas of study in the field.

Professionals in digital media will enhance the Kansas economy because many forms of working digitally are not place-bound. With expanding access to broadband in many rural areas, digital work can be done wherever Kansans are at home, allowing participation in the growing global economy.

The unique blend of visual arts and computer technology will place K-State among only a handful of institutions in the USA with this form of interdisciplinary degree. K-State Salina is an ideal location in which to grow this program, as it is a small campus with existing faculty already committed to interdisciplinary work.

There is strong support for this degree from both students and from industry. Existing associate's degree students are indicating interest in pursuing a bachelor's degree in digital media. Adding this option will undoubtedly attract even more new students to the campus.

**IMPACT:** The Department of Arts, Sciences and Business has been notified of these changes.

**CONTACT:** Bill Genereux (785-826-2927; E-mail: [billgx@ksu.edu](mailto:billgx@ksu.edu)).

**EFFECTIVE DATE:** Fall 2013.

**B.S. in Engineering Technology – Digital Media Technology Option**  
**Assessment of Student Learning Plan**

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**A. College, Department, and Date**

College: Technology and Aviation  
Department: Engineering Technology  
Date: January 31, 2013

**B. Contact Person(s) for the Assessment Plans**

Troy Harding, Professor

**C. DEGREE PROGRAM**

B.S. in Engineering Technology – Digital Media Technology Option (ETB-DM)

**D. ASSESSMENT OF STUDENT LEARNING THREE-YEAR PLAN**

**1. Student Learning Outcome(s)**

Graduates of the Digital Media Technology option will demonstrate:

**A. Technical Skills and Knowledge.**

1. Knowledge of current tools and techniques of digital media technology, web technology, networking, and computer programming.
2. Ability to apply current tools and techniques in the design of web and digital media systems.

**B. Creative Design, Application and Lifelong Learning.**

1. Ability to apply the principles of design to digital media projects.
2. Ability to creatively solve problems.
3. Ability to develop and follow a project management plan in the development of digital media projects.
4. Ability to apply life-long learning skills.
5. Quality and continuous improvement.

**C. Communication.**

1. Writing of clear and effective technical documents and reports.
2. Effective communication of technical information to a variety of audiences.

**D. Professional Behavior in a Diverse World.**

1. Demonstrate awareness and understanding of the skills necessary to live and work in a diverse world.
2. An ability to work effectively on teams.

**E. Professional Development.**

1. Knowledge of professional ethics and social responsibility.
2. Awareness of the impact of technology on society.

Relationship to K-State Student Learning Outcomes:

The five areas listed above relate directly to the university's undergraduate student learning outcomes of knowledge, critical thinking, communication, diversity, and academic and professional integrity.

**2. How will the learning outcomes be assessed? What groups will be included in the assessment?**

**Alignment Matrix** – For each stated student learning outcome, where does the student have the opportunity to learn the outcome and where is student achievement of the outcome is assessed?

SLOs	Courses – CMST																	ET	ENG L	PHIL O	
	102	103	115	135	137	146	180	216	247	250	256	326	323	336	356	406	456	020	302	390	
A.1.	X	X	X	A	X	X	A	X	A	A	A	X	A	A							
A.2.			X	X	X	X	X	X	X	X	X	X	A	A	A	A	A				
B.1.			X	X	X	X	X	X	X	X	A	X		A	A	X	A				
B.2.	X	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	A				
B.3.											X			A	X	X	A				
B.4.	X	X	X	X	X	X	X	X	X	A	X	X	X	A	X	X	A	X	X	X	
B.5.	X	X	X	X	X	X	X	X	A	A	X	X	X	A	X	X	A	X	X	X	
C.1.		X					X		X	A				A	X	X	A		A		
C.2.								X		A	X			A	X	A	A				
D.1.										A				X	X	A					X
D.2.		X					X			X	X	X	X	A	X	X	A				
E.1.												X		X	X	X	A	X			A
E.2.	X	X								A					A	A		X			

An “X” marks courses or experiences in which students have the opportunity to learn the outcome.

An “A” marks courses or experiences in which student performance is used for program level assessment of the outcome.

**Assessment measures** – A combination of projects, assignments, and exam questions will be used as direct measures. Rubrics will be used to evaluate projects and assignments. Student surveys will be used as indirect measures.

**3. When will these outcomes be assessed? When and in what format will the results of the assessment be discussed?**

SLOs	Timetable for Assessment Learning Outcomes		
	2013-14	2014-15	2015-16
A.1.	X		
A.2.	X		
B.1.			X
B.2.	X		
B.3.			X

<b>B.4.</b>		X	
<b>B.5.</b>			X
<b>C.1.</b>			X
<b>C.2.</b>	X		X
<b>D.1.</b>		X	
<b>D.2.</b>			X
<b>E.1.</b>		X	
<b>E.2.</b>		X	

<b>Discussion of Results</b>
<p><b>Meeting of program faculty</b> - At the end of each semester the information will be combined and documented. The primary instructors in the curriculum will conduct an informal discussion at the end of each semester.  <i>At the beginning of the spring semester, a formal evaluation of the student learning outcomes will be conducted. This evaluation will be conducted by the curriculum primary instructors.</i></p> <p><b>Annual industrial advisory board meeting</b> - Results will be shared with industry representatives and program faculty in attendance. Reaction and suggestions of board members will be noted and considered toward improvement efforts.</p>

**4. What is the unit’s process for using assessment results to improve student learning?**

Based on the program faculty meetings and advisory board feedback, faculty will recommend changes to the respective classes and curriculum. It is anticipated that the first year will be used to help establish a baseline and test the assessment process and tools. Strengths and weaknesses will be acknowledged and shared with students, colleagues and advisory board members. In addition, these groups will be made aware of how the weaknesses are being addressed. Students will be made aware through revised syllabi and verbal communication during classes. Information will be shared with faculty and administrators during faculty meetings and annual assessment reports.

The CMST faculty will work closely with the faculty of the K-State at Salina Writing Center. The Writing Center and English faculty will assist in the development of rubrics and the evaluation of writing.

## **Supporting Documents for Engineering Technology Option in Digital Media Technology**

The Digital Media degree option is well supported by both area wide businesses wanting to employ our graduates and current students wanting to pursue this area of study.

### **Employers:**

"We are currently at 25 employees in the multimedia training development division. This year an additional 25 employees 3 years out another 50 to 75 employees."

"I think this if a nitch position for manufacturing firms like ours. If we have someone who has these skills, they also need to do other things, because this would not be a full time position."

"Has a high growth. We use those skills now and then. We do not have the demand for full time, however as a skill we can use the person in another job, that would be great."

"Our Web department is our fastest growing area of our business. We expect continued growth in all areas, but are seeing accelerated growth in the web area. We are constantly looking for individuals with web programming training. It is very difficult to find employees with these skills in Salina. Specifically, we have a need for programmers with knowledge of ColdFusion and MSSQL (not My SQL). If a programmer also had experience with Photoshop and Flash, they would be VERY sought after."

"We are growing rapidly and over the last 3 months have added 15 additional Multimedia positions at our company. The area of Multimedia is the fastest growing segment of our business so potential employees that have the type of skills your "new" degree program will offer will be a valuable resource to us in the future."

"In programming, it is difficult to find people who can both program and design. Most companies hire two workers to do these tasks and it would be highly beneficial to find one person who can do both. We currently contract our video editing, graphic design and web creation for sales and marketing. It is being considered to hire a person full time to do this work in-house. The future for this kind of skilled person in our industry we believe will continue to increase."

### **Students:**

"I think it is an excellent course of study to have available. So much of the business/professional world is incorporating the newest technology, and they need the people who are trained to develop and deliver digital media."

"I think this is a great idea. I hope this program will be offered here!"

"Being a non-traditional student, this type of program would help bring me into the 21st century."

### **Digital Media Technology Resources Plan**

In order to support this degree and continue to foster growth, we need to invest in the infrastructure providing students the environment they need to learn, collaborate, and grow in the Digital Media profession. An investment in the Digital Media technology will allow us to be competitive and attractive to potential students.

One of the areas needing our attention when introducing a bachelor's degree option in digital media technology is our facilities. First impressions are everything when trying to attract new students. A transfer student from the Butler County Community College digital media program had this to say about his first impression:

***When I arrived at K-State Salina I was extremely disappointed with the facilities and resources that the Digital Media and other technology degrees had at their disposal...***

***K-State is a bit of a letdown. Nearly all of their computers are old and outdated and do not even have the software students need let alone the hardware capabilities...***

***I believe that if K-State were to upgrade their facilities and allocate a larger portion of the budget to this program they would attract numerous new students much like Butler did.***

### **Digital Media Lab**

We need to create a collaborative space for digital media learning that will immediately grab the attention of prospective students. We envision remodeling STC 115 into part production studio and part collaborative and creative space for active learning that not only will be a useful instructional space, but can also be used to showcase the progressive nature of the degree and campus culture.

The library has already implemented a style of furniture similar to what is needed in the digital media lab. We will need several media tables that allow several students to gather and connect computers to a big screen for viewing. We also plan to have a theater style surround sound system. I envision an interactive space that supports teleconferencing via Internet camera, as well as a large display screen for viewing presentations, projects and conference calls. The space will have multiple connectors to the display so several students can connect their laptops and the instructor can operate a switch that determines which computer is being displayed.

We plan to collaborate with digital media industry professionals about how best to approach the design of this lab. Dr. Michael Wesch, K-State anthropology professor and Dan Holmgren of Imagemakers, Inc. in Wamego, KS are two digital media experts who have expressed willingness to consult with us on the design and implementation of this space. We also have the expertise of K-State ITAC instructional designers available to help us create an active learning, creative space that can serve as a model for all of Kansas State University.

For more examples of the environment we envision, see: <http://bit.ly/WBbads>

## **Existing Laboratory**

The computer lab in STC 167 would continue to be used for traditional style introductory courses such as graphics software applications and digital photography. Moving most of the digital media courses into STC 115 would lighten the demand in STC167.

## **Laptop Requirement**

We are planning to require all first-year digital media majors to purchase their own Apple laptop computers and Adobe software. This will enable students to have access to the tools they need for digital media anytime, anywhere. The estimated cost for this requirement is approximately \$2000, and such a system should be sufficient for any student's four-year program of study. This is likely to be a limiting factor for some students, so some sort of rental or financing options will be made available.

## **More Studio Space**

The studio in STC 115 will have little down time available for work outside of scheduled classes. So as the program continues to grow, we will need additional studio space made available to digital media students where they can land as a home base to do their creative work outside of class. This space could conceivably be located in an underutilized classroom, like those on the second floor of the Salina Science Center (SSC). Examples of similar spaces would be those found in traditional architecture or graphic arts programs.

## **E-Portfolios**

Each digital media student will be given web space for building an e-portfolio of their work during their time at K-State Salina. A model of this initiative can be found at <http://umwdomains.com/>. The University of Mary Washington has been experimenting with this approach for several years, and has recently introduced a system that gives web space to each student and faculty member at the University for self-publishing online.

This system will serve multiple purposes. One purpose is to offer a learning space for our students to gain important digital age literacies. Another purpose is to make public the good work that we do here, resulting in attracting more students and growing our reputation for potential employers.

## **Faculty Office**

We will require an office and computer for the new faculty member.



## Digital Media Staffing Build-Out

The companion spreadsheet shows the current staffing of Digital Media classes for this academic year (F2012-S2013). Also included are the Computer Systems classes required and most likely to be taken by Digital Media students. Note that not all the CMST classes are listed, as some will probably not be taken even as electives by the DM students.

I tried to carry through the existing students we currently have in Digital Media. They are listed on the left in black.

One outcome of this exercise is that we need to balance the courses between the Fall and Spring semesters. Balancing can be accomplished by moving classes and by splitting some multi-section classes across both the Fall and Spring semester.

Fall 2013: I assumed the DM students increases to 20. The numbers are listed in red. This is an increase of approximately 10 over the current year. 10 students have been added to the CMST classes to see the effect on the required sections.

Fall 2014: I assumed the growth to be an additional 5 to 25 incoming students. These students impact is shown in blue.

Fall 2015: I assumed an incoming class of 30 students and their impact is shown in green

Fall 2016: I assumed another incoming class of 30 and impact in purple.

I feel these numbers are realistic if not conservative. The numbers also assume that there is no growth in the Computer Systems Degree option, and I think that is not realistic, but is put aside for another time.

Currently, we are covering the classes with Mr. Genereux and part time faculty. Mr. Genereux also teaches non-DM computer systems classes. The growth does show a need for additional Digital Media faculty members. It is important to me to hire a qualified DM faculty member to help with the development of the new courses as well as teach the increasing load. If we could hire a full time faculty member, we could reduce some of the part time faculty, but not eliminate it.

It is my opinion that we need to hire a DM faculty member for Fall 2013. Then, an additional faculty member in the Fall 2015, no later than Fall 2016.

Digital Media Staffing Build-out																					
Class	Fall 12		Spring 13		Fall 13		Spring 14		Fall 14		Spring 15		Fall 15		Spring 16		Fall 16		Spring 17		
	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	#	FTE	
CMST 115	Graphics S	10	0.25	5	0.25	20	0.25	15	0.25	25	0.25	15	0.25	30	0.5	15	0.25	30	0.5	15	0.25
CMST 137	Fund. Of Vis	12	0.25			22	0.25			27	0.25			32	0.25			32	0.25		
CMST 146	Digital Phot	18	0.25	21	0.25	20	0.25	21	0.25	30	0.25	21	0.25	35	0.25	21	0.25			21	0.25
CMST 216	Digital Med			9	0.25			19	0.25			24	0.25			29	0.5			29	0.5
CMST 256	Digital Med	8	0.25			10	0.25			20	0.25			25	0.5			30	0.5		
CMST 323	Game Progr	5	0.25							12	0.25			18	0.25			20	0.25		
CMST 326	Page Layout	6	0.25			10	0.25			20	0.25			25	0.5			30	0.5		
CMST 356	Motion Gra					6	0.25			10	0.25			20	0.25			25	0.5		
CMST 336	Digital Med			6	0.25			10	0.25			20	0.25			25	0.25			30	0.25
CMST 406	Social Medi							6	0.25			10	0.25					20	0.25		
	Digital Media Elective (nd												10	0.25						20	0.25
	Digital Media Elective (nd														10	0.25				20	0.25
CMST 456	Digital Med							6	0.25			8	0.25			10	0.25			20	0.25
CMST 102	Intro to Con	21	0.25	11	0.25	21	0.25	21	0.25	21	0.25	26	0.25	21	0.25	31	0.25	21	0.25	31	0.25
CMST 103	Intro to Pro	20	0.25	13	0.25	20	0.25	23	0.25	20	0.25	28	0.25	20	0.25	33	0.25	20	0.25	33	0.25
CMST 135	Webpage D	16	0.25	59	0.75	26	0.5	59	0.75	31	0.5	59	0.75	36	0.5	59	0.75	36	0.5	59	0.75
CMST 180	Intro to DB	7	0.25	14	0.25	10	0.25	24	0.25	7	0.25	29	0.25	7	0.25	34	0.25	7	0.25	34	0.25
CMST 247	Java Prog. I	12	0.25	10	0.25	12	0.25	10	0.25	20	0.25	10	0.25	25	0.25	10	0.25	30	0.25	10	0.25
CMST 250	Networking			36	0.54	16	0.29	36	0.54	16	0.29	32	0.42	20	0.42	32	0.42	25	0.42	32	0.42
CMST 335	Web Progra	18	0.25			18	0.25			18	0.25			25	0.25			28	0.5		
	Digital Media Classes		1.5		1		1.5		1.5		1.75		1.5		2.75		1.75		3		1.75
	CMST classes		1.5		2.29		2.04		2.29		2.04		2.17		2.17		2.17		2.42		2.17
	Total		3		3.29		3.54		3.79		3.79		3.67		4.92		3.92		5.42		3.92
							Assume 20 new freshman (Net +10)				Assume 25 new freshman(Net +15)				Assume 30 new freshman (Net +20)				Assume 30 new freshman (Net +20)		

Digital Media Instruction Plan

<p><u>Bill Gx – Fall</u>          CMST 137 – VIS LIT          CMST 306 – DM2          CMST 323 – GAME PROGRAMMING          CMST 250 – NETWORKING I</p>	<p><u>Professor X – Fall</u>          CMST 115 – GRAPH. SOFT APPS          CMST 356 MOTION GRAPHICS          CMST 146 DIG PHOTOGRAPHY          CMST 326 PAGE LAYOUT &amp; TYPE</p>
<p><u>Bill Gx – Spring</u>          CMST 456 – DM SR PROJECT          CMST 336 – DM SOPH PROJECT          CMST 406 – SOCIAL MEDIA          CMST 250 – NETWORKING I</p>	<p><u>Professor X – Spring</u>          CMST 216 – DIGITAL MEDIA I          CMST 115 WEB II          CMST 146 DIG PHOTOGRAPHY          CMST ELECTIVE – NEW DM COURSE</p>

*With this plan, CMST 135 Web 1 and digital media online courses will still be covered by adjunct faculty.*