April 17, 2013

MEMORANDUM

TO: Linda Johnsrud
Office of the Executive Vice President for Academic Affairs/Provost

VIA: Michael Pecskó
Vice Chancellor for Academic Affairs

FROM: Manuel J. Cabral
Chancellor

SUBJECT: Curriculum Approval

I have approved the following program modifications on 4/12/13. The modifications are effective Fall 2013. The approvals can be found at: http://curriculumcentral.its.hawaii.edu:8080/central/core_cas.jsp

Associate in Arts (AA) – Liberal Arts
Associate in Applied Science (AAS) – Automotive Technology
Associate in Applied Science (AAS) – Culinary Arts
Academic Subject Certificate (ASC) – Community Food Service
Academic Subject Certificate (ASC) – Hawaiian Studies
Academic Subject Certificate (ASC) – Plant Biology and Tropical Agriculture
Academic Subject Certificate (ASC) – TIM

Attachments

c Division Chairs
James Goodman
Ron Umehira
Della Anderson
Alicia Brown
Candy Hochstein
Blake Hunrick
Michael Lane
Pearl Imada-Iboshi
Degree: Associate in Arts

Title: Liberal Arts

Description: The two-year liberal arts degree, consisting of at least 60 semester credits, entirely at the baccalaureate level (100 level and above), which provides students with skills and competencies essential for successful completion of a baccalaureate degree.

Effective Date: Fall 2013

Program Modifications:

Updated outline’s effective date.

Updated mission statement

The AA Liberal Arts degree helps the college to meet these principles from the 2012-2013 Leeward Mission Statement:

- Nurture and inspire all students.
- Help students to attain their goals through high-quality liberal art education.
- Help students to attain their goals through high-quality career and technical education.
- Foster students to become responsible global citizens locally, nationally, and internationally.
- Advance the educational goals of all students with a special commitment to Native Hawaiians.

Updated diversification courses

The following academic skill standards for critical thinking, technology and information literacy, oral communication, quantitative reasoning, and written communication represent the minimum outcomes expected of students who have completed their general education experiences. Each course included in the general education curriculum should address at least one of these academic skill standards.

Critical Thinking

Students should be able to:
1. Identify and state problems, issues, arguments and questions contained in a body of information.
2. Identify and analyze assumptions and underlying points of view relating to an issue or problem.
3. Evaluate a problem, distinguishing between relevant and irrelevant facts, opinions and assumptions through the use of appropriate evidence.
4. Synthesize information from various sources, drawing appropriate conclusions.
5. Demonstrate fundamental concepts intrinsic to aesthetic appreciation.
6. Demonstrate the understanding of the relationship between cause and effect.
Technology and Information Literacy

Students should be able to:
1. Identify and define an information need.
2. Access information effectively and efficiently
3. Make informed choices about technology.
4. Evaluate information and its sources for accuracy and authenticity.
5. Incorporate information into their knowledge base to accomplish a specific purpose.
6. Collect and present information ethically and legally, with an understanding of socio-economic issues.

Oral Communication

Students should be able to:
1. Identify and analyze the audience and purpose of any intended communication.
2. Gather, evaluate, select, and organize information for the communication.
3. Use language, techniques, and strategies appropriate to the audience and occasion.
4. Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion.
5. Summarize, analyze, and evaluate oral communications and ask coherent questions as needed.
6. Use competent oral expression to initiate and sustain discussions.

Quantitative Reasoning

Students should be able to:
1. Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately.
2. Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriate.
3. Communicate clearly and concisely the methods and results of quantitative problem solving.
4. Formulate and test hypotheses using numerical experimentation.
5. Define quantitative issues and problems, gather relevant information, analyze that information, and present results.
6. Assess the validity of statistical conclusions.

Written Communication

Students should be able to:
1. Use writing to discover and articulate ideas.
2. Identify and analyze the audience and purpose for any intended communication.
3. Choose language, style, and organization appropriate to particular purposes and audiences.
4. Gather information and document sources appropriately.
5. Express a main idea as a thesis, hypothesis, or other appropriate statement.
6. Develop a main idea clearly and concisely with appropriate content.
7. Demonstrate mastery of the conventions of writing, including grammar, spelling, and mechanics.
8. Demonstrate proficiency in revision and editing.

**Arts, Humanities, Natural Sciences, and Social Sciences**

Students should be able to:

1. Participate in intellectual and aesthetic pursuits, which encourage a creative and self-fulfilling existence.
2. Understand the humanities as a collection of disciplines that study human nature, culture, attitudes, and accomplishments.
3. Analyze the various attempts to explore the ethical and fundamental questions of life.
4. Understand basic, general scientific laws, theories, concepts, and terminology from the biological and physical sciences, including their origins and universality.
5. Use scientific laws, theories, concepts, mathematics, and data sufficiently well to determine the validity of experimental procedures, devise experiments to test hypotheses, and interpret results of experimentation.
6. Understand the scientific method, and that experimental results used to support theories, concepts, and laws must be repeatable.
7. Possess the knowledge and ability to use the tools of science.
8. Understand the scientific nature of the social sciences.
9. Describe the alternative theoretical frameworks used to explain social phenomena.
10. Analyze select units of the social sciences using various analytical or theoretical models: social interactions, individuals, families, organizations, communities, spatial relations (geography), economies, governments, cultures, or societies.

**General Education Core and Graduation Requirements**

The General Education Core and Graduation requirements develop a deeper appreciation of the complexities and potentialities of the human experience from the perspectives of the arts, humanities, and the social and natural sciences while encouraging an understanding of imagination and creativity through the application of abstract and intuitive thinking.

Upon graduation, students will be able to:

- appreciate the values and ideas of cultures as they have evolved and as they find expression in literature, history, philosophy, religion, art, and music;
- reason and analyze effectively;
- communicate clearly and effectively in Standard English;
- know the aims and methods of science;
- recognize the ways in which humans organize and how social institutions shape human behavior.
Rationale for General Education Requirements

General education provides students the opportunity to develop understandings, abilities, values, and attributes which enable them to apply their knowledge, skills, and talents to make judicious decisions and to analyze and solve human problems within a multi-cultural community.

General education is that part of education, which encompasses the common knowledge, skills, and attitudes, needed by each individual to be effective as a person, a family member, a worker, and a citizen. General education is integrated with, but different in emphasis and approach from special training for a job or a profession. Further, general education for the vocational-technical associate degree student should not be confused with liberal education for a baccalaureate student. General education should allow a student to gain a more integrated view of knowledge, a more realistic view of life and a more defined sense of community and social responsibility. Because of the belief that knowledge leads to actions, students should be actively engaged in learning. This holistic point of view provides the student a foundation of lifelong learning in a changing world.

Curriculum Organization and Degree Requirements

There are two components to the General Education requirements: Core requirements and Graduation requirements. Core requirements include Foundations and Diversification. Graduation requirements include Focus and Oral Communication requirements.

Core Requirements: Foundations and Diversification

Foundations Requirements: 12 credits

Foundations courses are intended to give students skills and perspectives that are fundamental to undertaking higher education. Courses taken to fulfill the Foundations requirement may not be used to fulfill Diversification or Focus requirements. Only courses taken after they have an official Foundations designation (FW, FS, or FG) will count as meeting the Foundations requirement. To enroll in a course that meets the Foundations requirement, students must first meet the prerequisites, if any.

Written Communication (FW): 3 credits

Written Communication courses introduce students to the rhetorical, conceptual, and stylistic demands of writing at the college level; courses give instruction in composing processes, search strategies, and composing from sources. These courses also provide students with experiences in the library and on the Internet and enhance their skills in accessing and using various types of primary and secondary materials.
Approved FW courses are listed below

Symbolic Reasoning (FS): 3 credits

Symbolic Reasoning courses expose students to the beauty and power of formal systems, as well as to their clarity and precision; courses will not focus solely on computational skills. Students learn the concept of proof as a chain of inferences. They learn to apply formal rules or algorithms; engage in hypothetical reasoning; and traverse a bridge between theory and practice. In addition, students develop the ability to use appropriate symbolic techniques in the context of problem solving and to present and critically evaluate evidence.

Approved FS courses are listed below

Global and Multicultural Perspectives (FG): 6 credits

Global and Multicultural Perspectives courses provide thematic treatments of global processes and cross-cultural interactions from a variety of perspectives. Students will gain a sense of human development from prehistory to modern times through consideration of narratives and artifacts of and from diverse cultures. At least one component of each of these courses will involve the indigenous cultures of Hawai‘i, the Pacific, or Asia.

To satisfy this requirement, students must take six credits; the six credits must come from two different groups.

Approved FG courses are listed below

Diversification Requirements: 19 credits

The Diversification requirement is intended to assure that every student has a broad exposure to different domains of academic knowledge, while at the same time allowing flexibility for students with different goals and interests.

To enroll in a course that meets the Diversification requirement, students must first meet the prerequisites, if any. Some courses that satisfy the Diversification requirement may also simultaneously satisfy Focus requirements. (See a counselor for “Requirements that may be Double-Dipped.”) Approved courses are identified below. They are also indicated by the following letters after the course description:

- DA = Arts
- DB = Biological Science
DH = Humanities
DL = Literatures
DP = Physical Science
DS = Social Science
DY = Science Laboratory

Arts, Humanities, and Literatures (DA, DH, DL): 6 credits

To satisfy this requirement, students must take six credits from two separate sub-categories. Each course must be taken from a different discipline. Arts area courses are designated "DA," Humanities area courses as "DH," and Literatures area courses as "DL" in the course descriptions in the Leeward Catalog.

Approved DA, DH, and DL courses are listed below

Social Sciences (DS): 6 credits

To satisfy this requirement, students must take six credits from two different disciplines. Approved courses are identified in the Leeward catalog with the letters "DS" after the course description.

Approved DS courses are listed below

Natural Sciences (DB, DP, DY): 7 credits

Designations are: "DB" for Biological science courses, "DP" for physical science courses and "DY" for laboratory courses.

To satisfy this requirement, students must take two courses and a lab for a total of seven credits. The three courses must include a biological science (DB), a physical science (DP) and a laboratory (DY) course; one of the courses must have a matching lab class. Course numbers with an "L" are separate lab courses. Some DB and DP courses have a lab embedded. Approved courses are identified in the Leeward catalog with the appropriate letters after the course description.

Approved DB, DP, and DY courses are listed below

Graduation Requirements

Focus Requirements

The Focus requirements identify important additional skills and discourses necessary for living and working
in diverse communities. Only Focus courses taken after they have received official designation can count as meeting the Focus requirement. Focus courses are not shown in this Catalog but appear in each semester’s Class Availability listing. Because the approved Focus courses may change each semester, students should consult the College’s up-to-date online course listing before they register.

Hawaiian, Asian, and Pacific Issues (HAP): 1 course

These courses focus on issues in Hawaiian and Asian or Pacific cultures and history; they promote cross-cultural understanding between nations and cultures. Courses fulfilling this requirement are offered in departments across the curriculum. Approved sections are identified in the College’s Class Availability with an “HAP”; offerings vary each semester.

Writing Intensive (WI): 2 courses

Because writing helps students both to learn and to communicate, Leeward Community College requires students to take two writing intensive courses. Small writing intensive classes, in which instructors work with students on writing related to course topics, are offered in various disciplines. Students need to satisfy the Written Communication “FW” requirement with a grade of C or better before they enroll in writing intensive courses. Approved sections are identified in the College’s Class Availability with a “WI”; offerings vary each semester.

Oral Communication (OR): 3 credits

Students receive training in oral delivery and give individual and group oral reports. Courses fulfilling this requirement are offered in disciplines across the curriculum. Oral Communication is a Leeward Community College requirement. It is not the same as UH Manoa’s “O” requirement.

Approved courses are listed below

Foundation Requirements 12 credits

Written Communication (FW) 3 cr.

ENG 100 Composition I

ENG 100E Composition I (for non-native speakers of English)

Symbolic Reasoning (FS) 3 cr.

ICS 141 Discrete Math for Computer Sci
ICS 241 Discrete Math for Computer Sci II
MATH 100 Survey of Mathematics
MATH 103 College Algebra
MATH 112 Math for Elem. Teachers II
MATH 135 Pre-Calculus: Elem. Functions
MATH 140 Pre-Calc: Trig & Anal Geometry
MATH 140X Accelerated Pre-Calculus
MATH 203 Calculus for Bus. & Soc Sciences
MATH 205 Calculus I
PHIL 110 Intro to Logic

Global Multicultural Perspectives (FG) 6 cr.
Select two courses, each from a different group.

Group A:
ANTH 151 Emerging Humanity
ART 175 Survey of Global Art I
HIST 151 World Civilizations I

Group B:
ART 176 Survey of Global Art II
HIST 152 World Civilizations II
ANTH 152 Global Perspectives on Humanity

Group C:
GEOG 151 Geography & Contemporary Society
MUS 107 Music in World Cultures
REL 150 Intro to the World's Major Religions

Diversification Requirements 19 credits
Arts, Humanities, and Literature 6 cr.
6 total credits required, one course from two separate sub-categories. Each course must be taken from a different discipline.

Diversification Arts (DA)
(Mainly Theory)
ART 101 Intro to the Visual Arts
DRAM 101 Intro to Drama & Theatre
MUS 108 Music Fundamentals
MUS 253 Music For Classroom Teachers
MUS 281 Music Theory I
MUS 282 Music Theory II
MUS 283 Aural Training I
MUS 284 Aural Training II
(Mainly Practice)
ART 104 Intro to Printmaking
ART 104D Intro to Printmaking Screenprinting
ART 105B Intro to Ceramics: Handbuilding
ART 105C Intro to Ceramics: Wheel Throwing
ART 107 Intro to Photography
ART 107D Intro to Digital Photography
ART 112 Digital Art
ART 113 Basic Drawing
ART 113D Intro to Computer Drawing
ART 114 Introduction Color
ART 115 Intro to Design - 2D
ART 116 Introduction to Sculpture
ART 123 Intro to Painting
ART 202 Digital Imaging
ART 213 Inter. Drawing
ART 243 Inter. Ceramics, Hand Building
ART 244 Inter. Ceramics, Wheel Throwing
DNCE 121 Beginning Ballet
DNCE 131 Modern Dance I
DNCE 132 Modern Dance II
DNCE 180 Dance Production
DRAM 221 Beg. Acting I
DRAM 222 Beg. Acting II
DRAM 240 Basic Stagecraft
DRAM 260 Dramatic Production
MUS 103 Guitar Ensemble I
MUS 104 Beginning Jazz Ensemble
MUS 112 Hawaiian Ensemble I
MUS 113 Hawaiian Ensemble II
MUS 114 College Chorus
MUS 121B Beginning Voice Class
MUS 121C Beginning Piano Class I
MUS 121D Classic Guitar I
MUS 121E Folk Guitar I
MUS 121F Slack Key Guitar
MUS 121Z 'Ukulele
MUS 122B Intermediate Voice Class
MUS 122C Beginning Piano Class II
MUS 122D Classic Guitar II
MUS 122E Folk Guitar II
MUS 122F Slack Key Guitar
MUS 122Z 'Ukulele II
MUS 180 Aural Perception and Notation
MUS 201 Vocal Ensemble:
MUS 221B Advanced Voice Class
MUS 221C Intermediate Piano Class I
MUS 221D Woodwind, Brass or Percussion
MUS 221G Contemporary Guitar
MUS 221H Classic Guitar III
MUS 222C Intermediate Piano Class II
MUS 232 Applied Music

Diversification Literature (DL)
EALL 271 Japanese Lit in Translation—Traditional
EALL 272 Japanese Lit in Translation—Modern
ENG 250 Major Works of American Lit
ENG 251 British Lit (Middle Ages to 1800)
ENG 252 British Lit (1800 to Present)
ENG 253 World Lit (Classical to Renaissance)
ENG 254 World Lit (1600 AD to Present)
ENG 255 Types of Literature I
ENG 256 Types of Literature II
ENG 257H Themes in Lit.: Man and Myth
ENG 257N Themes In Lit.: Literature and Film
HUM 261 Hawaiian Literature
HUM 262 Pacific Literature

Diversification Humanities (DH)
AMST 201 The American Experience
AMST 202 Diversity in American Life
ART 171 Intro to Western Art I
ART 172 Intro to Western Art II
ASAN 203 Philippine Cultural History
ASAN 204 History of Filipinos in the US
GEOG 122 Geography of Hawai‘i
HWST 107 Hawai‘i: Center of the Pacific
HIST 231 Modern European Civilization I
HIST 232 Modern European Civilization II
HIST 241 Civilizations of Asia I
HIST 242 Civilizations of Asia II
HIST 251 Islamic Civilization
HIST 260 20th Century World History
HIST 281 Intro to American History I
HIST 282 Intro to American History II
HIST 284 History of the Hawaiian Islands
IS 250H Leadership Development
LING 102 Intro to the Study of Language
MUS 106 Intro to Music Literature
PHIL 100 Intro to Phil: Survey of Problems
PHIL 101 Intro to Phil: Morals & Society
PHIL 102 Intro to Philosophy: Asian Traditions
PHIL 200 History of Philosophy I
PHIL 201 History of Philosophy II
PHIL 211 History of Western Philosophy I
PHIL 212 History of Western Philosophy II
PHIL 213 History of Western Philosophy III
REL 151 Religion & the Meaning of Existence
REL 200 Understanding the Old Testament
REL 201 Understanding the New Testament
REL 202 Understanding Indian Religions
REL 203 Understanding Chinese Religions
REL 204 Understanding Japanese Religions
REL 205 Understanding Hawaiian Religion
REL 207 Understanding Buddhism
REL 210 History of Christianity

Diversification Social Sciences (DS)
6 total credits required from two different disciplines.
AMST 211 Cont. American Issues: Domestic
AMST 212 Contemp. American Issues: World
ANTH 150 Human Adaptations
ANTH 200 Cultural Anthropology
ANTH 210 Archaeology
ECON 120 Intro to Economics
ECON 130 Microeconomics
ECON 131 Macroeconomics
FAMR 230 Human Development
GEOG 102 World Regional Geography
IS 221 Problems of War and Peace  
PACS 108 Pacifics Worlds  
POLS 110 Intro to Political Science  
POLS 120 Intro to World Politics  
POLS 130 Intro to American Politics  
POLS 180 Intro to Hawaiian Politics  
PSY 100 Survey of Psychology  
PSY 180 Psychology of Work  
PSY 202 Psychology of Women  
PSY 240 Developmental Psychology  
PSY 260 Psychology of Personality  
SOC 100 Survey of General Sociology  
SOC 151 Introduction to the Sociology of Food  
SOC 214 Intro to Race & Ethnic Relations  
SOC 218 Intro to Social Problems  
SOC 231 Intro to Juvenile Delinquency  
SOC 250 Community Forces in Hawai‘i  
SOC 251 Sociology of the Family  
WS 151 Intro to Women’s Studies  
WS 290 Topics in Women’s Studies  

Natural Sciences 7 cr.  
Two courses and a lab required for a total of 7 credits. The 2 courses must include a biological science (DB for 3 cr.) and a physical science (DP for 3 cr.). One of the 2 courses must include a lab (DY for 1 cr.).

Diversification Biological (DB)  
ANTH 215 Physical Anthropology  
BIOL 100 Human Biology  
BIOL 124 Environment and Ecology  
BIOL 130 Anatomy and Physiology  
BIOL 171 Intro to Biology I  
BIOL 172 Intro to Biology II  
BIOL 201 Biotechnology and Society  
BIOL 275 Cell and Molecular Biology  
BOT 101 Botany  
FSHN 185 Science of Human Nutrition (formerly FSHN 285)  
MICR 130 General Microbiology  
PTB 200 Introduction to Plant Science.  
SCI 107 The Molecular Basis of Life  

Diversification Biological + Lab (DB, DY)  
BIOL 101 Biology for Non-Majors (lect/lab)  
BIOL 200 Coral Reefs (lect/lab)  
BOT 130 Plants in the Hawaiian Environment (lect/lab)  
HORT 110 Hawaiian Horticulture & Nutrition (lect/lab)  
PBT 264 Introduction to Horticulture and Plant Propagation (lect/lab)  
ZOOL 101 Principles of Zoology (lect/lab)  
ZOOL 200 Marine Biology (lect/lab)  
ZOOL 240 Human Anatomy and Physiology I (lect/lab)  
ZOOL 241 Human Anatomy and Physiology II (lect/lab)  

Diversification Physical (DP)  
ASTR 110 Survey of Astronomy  
ASTR 111 Contemporary Astronomy
BIOC 241 Fundamentals of Biochemistry  
BIOC 251 Elements of Biochemistry  
EE 211 Basic Circuit Analysis  
EE 213 Basic Lab Measurements and Techniques  
GG 101 Intro to Geology  
GG 103 Geology of the Hawaiian Islands  
GEOG 101 Natural Environment  
OCN 201 Science of the Sea  
PHYS 151 College Physics I  
PHYS 152 College Physics II  
PHYS 170 General Physics I  
PHYS 272 General Physics II  
SCI 225 Earth & Universe, Science  

Diversification Physical + Lab (DP, DY)  
CHEM 100B Chemistry and Man (lect/lab)  
CHEM 151B Elem. Survey of Chemistry (lect/lab)  
CHEM 152B Organic & Bioorganic Chemistry (lect/lab)  
CHEM 161B General Chemistry I (lect/lab)  
CHEM 162B General Chemistry II (lect/lab)  
CHEM 272B Organic Chemistry I (lect/lab)  
CHEM 273B Organic Chemistry II (lect/lab)  
PHYS 100B Survey of Physics (lect/lab)  
SCI 122 Intro to Science-Physical (lect/lab)  

Diversification Laboratory (DY)  
ANTH 215L Physical Anthropology Lab  
BIOL 124L Environment and Ecology Lab  
BIOL 130L Anatomy and Physiology Lab  
BIOL 171L Intro to Biology I Lab  
BIOL 275L Cell and Molecular Biology Lab  
BOT 101L Botany Lab  
MICR 140 General Microbiology Lab  
GG 101L Intro to Geology Lab  
GEOG 101L Natural Environment Lab  
OCN 201L Science of the Sea Laboratory  
PBT 200L Introduction to Plant Science Lab  
PHYS 151L College Physics I Lab  
PHYS 152L College Physics II Lab  
PHYS 170L General Physics I Lab  
PHYS 272L General Physics II Lab  
SCI 225L Earth & Universe Lab  

Graduation Requirements  
In addition to two WI courses in any discipline and one HAP focus course, student must complete an oral communication (OR) course:  

Oral Communication 3 credits  
COM 210HON Honors Colloquium: Intercultural Communications  
SP 151 Personal and Public Speech  
SP 200 Speaking Skills for Prospective Teachers  
SP 231 Interpretative Reading  
SP 251 Principles of Effective Public Speaking
Degree: Associate in Applied Science

Title: Automotive Technology

Description: The Associate in Applied Science Degree is awarded to students who successfully complete both the required AMT and general education courses. The AAS degree enables students to enter the workforce. Graduates are able to seek employment in multiple areas in the automotive industry or related technical fields.

Effective Date: Fall 2013

Program Modifications:

AMT 20 (Introduction to Automotive Mechanics) 2 credits, is being substituted for AMT 25 (Preventive Maintenance and Inspection) 3 credits.
AMT 53 (Brakes) is changing from 3 credits to 4 credits.

Proposed Associate in Applied Science Degree:

First Semester Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT 20 (Introduction to Automotive Mechanics)</td>
<td>2</td>
</tr>
<tr>
<td>AMT 53 (Brakes)</td>
<td>4</td>
</tr>
<tr>
<td>AMT 55 (Suspension and Steering)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 100 or equivalent or higher</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credits: 14 credits

Second Semester Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100 or equivalent</td>
<td>3</td>
</tr>
<tr>
<td>AMT 30 (Engines)</td>
<td>7</td>
</tr>
<tr>
<td>AMT 40 (Electrical/Electronic Systems I)</td>
<td>6</td>
</tr>
<tr>
<td>NS course</td>
<td>3 or 4</td>
</tr>
</tbody>
</table>

Total Semester Credits: 19 or 20 credits

Third Semester Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMT 46 (Manual Drive-Train and Transaxles)</td>
<td>3</td>
</tr>
<tr>
<td>AMT 50 (Automatic Transmission and Transaxles)</td>
<td>6</td>
</tr>
<tr>
<td>AMT 41 (Electrical/Electronic Systems II)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credits: 12 credits
Fourth Semester Requirements:

AMT 43 (Heating and Air Conditioning and Ventilation) .......................... (3) credits
AMT 40D (Engine Performance) ......................................................... (6) credits
AMT 60 (Diagnostic and Repair) ...................................................... (3) credits
Social Sciences (100 and above) .................................................... (3) credits
Arts/Humanities (100 and above) ................................................... (3) credits

Total Semester Credits ............................... (18) credits

TOTAL DEGREE CREDITS: .................................................. (63 or 64) credits
Degree: Associate in Applied Science

Title: Culinary Arts

Description: Associate in Applied Science in Culinary Arts

Effective Date: Fall 2013

Program Modifications:

The following changes are proposed:

1) Change the degree requirement from ENG 22 to ENG 100
2) Change the degree requirement from MATH 50H to MATH 100
3.) Delete "COMM 145 or SP 151"

The action to upgrade the English and math courses to college level, is prompted by the recent ACCJC recommendation that stated, "The college needs to insure that the course requirements for any AAS degrees are consistent with the general education philosophy as outlined in the college catalogue and, in so doing, carefully consider the rigor of the courses needed to fulfill the degree requirements."
Degree: Academic Subject Certificate

Title: Community Food Security

Description: The Academic Subject Certificate in Community Food Security is intended to provide the student with knowledge of the Community Food Security movement through course work and skills and knowledge about the operation of a certified organic farm and the sale of products grown on the farm. The courses will introduce them to the CFS movement both nationally and internationally, provide them the skills for growing foods organically, preparing farm products for sale to restaurants and markets, providing educational activities to elementary, middle and high school students; knowledge about Hawaiian culture; knowledge related to plants, nutrition, the environment and agriculture. With this foundation, it is anticipated that students will be able to pursue degrees in a variety of areas including, environmental resources, education, nutrition, culinary arts, and business.

Effective Date: Fall 2013

Program Modifications:

This is a request to delete the experimental MGT 197 Agriculture Entrepreneurship in Hawaii and replace it with the approved course MGT 135 Agricultural Entrepreneurship.

This is a request to delete the experimental GEOG 197 Intro to Community Food Security and replace it with the approved course SOC 151 Sociology of Food.

This is a request to delete the experimental GEOG 297 Advanced Issues in Community Food Security and replace it with the experimental course SOC 297 Advanced Issues in Sociology of Food.

This is a request to delete Student Learning Outcome #5 Explain nutritional concepts related to agriculture.
Degree: Academic Subject Certificate

Title: Hawaiian Studies

Description: Academic Subject Certificate in Hawaiian Studies

Effective Date: Fall 2013

Program Modifications:

This is an existing program.

We are updating program learning outcomes and core course requirements to align with the current AA Hawaiian Studies. Replace BOT 130 with HWST 270 in the core requirements, add HWST 105, HWST 291, HWST 160 to the list of electives. Providing additional information to align with articulation requirements.

The program was also listed erroneously as a Social Sciences program, we have changed it to the appropriate category of Arts and Humanities.
Degree: Academic Subject Certificate

Title: Plant Biology and Tropical Agriculture

Description: The ASC in Plant Biology and Tropical Agriculture is designed to provide plant science and laboratory knowledge and skills to facilitate employment or further education in agricultural businesses.

Effective Date: Fall 2013

Program Modifications:

Name of the program has been changed from Plant Bioscience Technology to Plant Biology and Tropical Agriculture.

Old Name: Plant Bioscience Technology
New Name: Plant Biology and Tropical Agriculture

Reason for Change: Although the course package is identical for the ASC, the new name better reflects the scope of the program by avoiding a misconception that the program puts greater emphasis on biotechnology. The PBT advisory committee considered the implication for future health and growth of the program and decided on the new name for the ASC.
Degree: Academic Subject Certificate

Title: TIM

Description: The Academic Subject Certificate in Travel Industry Management is designed to provide a strong foundation for students who plan to earn a bachelor's degree in Travel Industry Management.

Effective Date: Fall 2013

Program Modifications:

Add ICS 100 and 101, both to be taken, as an alternative for BUS 101.