Ohlone Community College District
Curriculum Committee – Agenda
Monday, October 3, 2011
3:00-5:00 p.m.
Fremont Campus: 7104 / Newark Campus: NC1317

CALL TO ORDER:

APPROVAL OF MINUTES: (Action)
- September 12, 2011

CHAIR'S REPORT: (Informational/Action)
- November 7, 2011 meeting at Newark Center, Spring semester alternate chairing between campuses
- Flex week, setting up a norming session

SELECTED TOPICS: (Consent/Action)
CNET 210B Windows 7 Essentials – Richard Grotegut
CNET 212S MPICT/SISO Collaborative Netacad Capstone Project – Richard Grotegut

CONSORTIUM COURSES: (Consent/Action)
NONE

MINOR REVISIONS: (Consent/Information)
BIOT 120C SEM - Applications in Physical Science & Engineering – Yvette Niccolls
Title change from SEM – Physical Science.

DEACTIVATIONS: (Consent/Action)
No longer being taught

AJ 144	Leadership Skills Development – Mikelyn Stacey
ATHL 232	Women's Tennis – Chris Warden
ATHL 233	Men's Tennis - Chris Warden
BA 107	Cost and Managerial Accounting – Walt Birkedahl
CNET 162A	Microsoft Server Operating Systems - Richard Grotegut
CNET 164B	Designing Microsoft Windows Directory Services Infrastructure – Richard Grotegut
CS 169A	Digital Photography – Ron Quinta
CS 169B	Intermediate Digital Photography – Ron Quinta
FREN 110	Beginning Conversational French – Mikelyn Stacey
JOUR 132	Introduction to Public Relations – Walt Birkedahl
MATH 196	Geometry – Bob Bradshaw
MUS 166C	Applied Music – Dennis Keller
MUS 166D	Applied Music – Dennis Keller
PE 378A3	Indoor Cycling – Chris Warden
PE 378B2	Term and Burn – Chris Warden
PE 378B3	Term and Burn – Chris Warden
PE 379A3	Body Sculpting – Chris Warden
PE 397A3	Adaptive Physical Education - Exercise – Chris Warden

RE 145 Escrow Procedures – Walt Birkedahl
TD 127 Summerfest-Chorus and Instrument Members – Walt Birkedahl
TD 160L Production Lab – Walt Birkedahl
WEX 101 Introduction to Work Experience

Renumbered
MM 115 Three Dimensional Animation – David Folker (New number MM 121B)
MM 116 Three Dimensional Modeling – David Folker (New number MM 121A)
MM 117 Advanced Three Dimensional Modeling and Animation – David Folker (New number MM 121C)

SUBCOMMITTEE APPROVALS/REPORTS (Action/Information)
Distance Education Subcommittee:
Approved: BSM 102

General Education Subcommittee
- New Approvals: NONE
- Reaffirmation of GE Approvals:
  - SPCH 101 – Information Competency (approved May 9, 2011)
  - TD 100 – Fine Arts/Humanities (approved September 19, 2011)
  - MUS 104 – Fine Arts/Humanities (approved September 19, 2011)
  - MUS 110A – Humanities (approved May 9, 2011)
  - MUS 111A – Humanities (approved May 9, 2011)
  - MUS 162A – Humanities (approved September 19, 2011)
  - MUS 166A – Humanities (approved September 19, 2011)
  - TD 110 – Humanities (approved September 19, 2011)
- Disapproved for Reaffirmation: NONE
- Deleted from GE Plan A:
  - CAOT 153 – Information Competency (approved for deletion - May 9, 2011)
  - AH/HLTH 130 – Physical Education/Wellness (approved for deletion - September 19, 2011)
- Additional Information Approvals: GE Committee voted to approve the following in April 2011: "If any program has courses on GE Plan A, The GE SLOs need to be added in the Program Review module as "program outcomes." This plan needs to go to the Curriculum Committee for approval.

SLOAC – Deb Parziale
- Goals / Accomplishments/Updates

COURSE REACTIVATION (Consent/ Action)
PE 341B2 Intermediate Strength Training – Robin Kurotori
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the past year recommended.
Accepted for Credit: CSU & UC

This class is designed to assist the student with advanced strength training concepts and techniques for personal physical development and weight room independence. This course expands students' knowledge of progressive resistance (weight) training, with increased focus on free weights, thus increasing the variety and methods of training techniques. Repeatable = 3 times (GC)

MAJOR COURSE REVISIONS (Consent/Action)

MUS 104 Music of World Cultures – Dennis Keller

Spelling correction in counselor information. Revision to student learning outcomes, course content, course assignments, methods of evaluation, methods of instruction, updated textbook

Requested revisions to the student learning outcomes have been addressed

TD/ ART 100 Survey of the Arts – Mark Nelson

IS/ MUS 100 Change grading option to GR. Revision to catalog description: In this course theatre, art, and music are explored through discussion, historical review, and contemporary issues. The purpose of this course is to increase students' understanding and enjoyment of the arts. The class is taught by three instructors, one from each discipline. Revision to student learning outcomes, course content, course assignments, methods of evaluation, methods of instruction

TD 110 Introduction to Acting – Mark Nelson

Revision to student learning outcomes, course outline, course assignments, methods of evaluation, methods of instruction, added textbook

TD 111 Intermediate Acting - Scene Study – Tom Blank

Change repeatability from 1 to 2. Revision to catalog description: This course is an advanced study in the principals and practices of contemporary acting techniques. Students will analyze and evaluate the acting theories of the Stanislavski system of acting, as assessed by the 20th century American acting leaders; i.e. Uta Hagen, Stella Adler, Michael Shurtleff, Lee Strasberg, Viola Spolin, etc. Students will apply these principles to their scene work, improvisation, workshop exercises and evaluate their progress and that of their classmates. Revision to Revision to schedule description: Intermediate level acting techniques, modern scene study from the latest plays**.** Revision to counselor information, student learning outcomes, course outline, course assignments, methods of evaluation

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NEW COURSES: (Action)

BIOT 103 LAB Biotech Summer Bridge – Laurie Issel-Tarver

27.00 hrs lecture, 27.00 hours lab

Units: 2.00

Prerequisite: This course is open only to Learning Alliance for Bioscience program participants from partner high schools. Students must have successfully completed an articulated LAB biotechnology or biochemistry course
prior to participating in this Bridge course.

The Learning Alliance for Bioscience (LAB) Biotech Summer Bridge course provides hands-on experience in the biotechnology laboratory for students who have participated in LAB classes at their high schools. Students will perform experiments that involve such techniques as bacterial cell culture, DNA extraction and analysis, PCR, gene cloning, and protein extraction and purification. The theme of the course changes each summer, with the focus on such topics as cell culture, drug discovery, biofuels, environmental biotechnology, etc. Repeatable = 3 times (CR)

MM 121A 3D Modeling – David Folker

Renumbered from MM 116

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Advisory: CS 101

Accepted for Credit: CSU

Students will learn different techniques to model virtual objects and environments using 3D modeling software. The topics covered are: designing characters, modeling, texture mapping, lighting techniques, camera shots, 3D scene layout, and rendering images for different multimedia applications. Introduction to basic 3D animation techniques may be covered. Simple animations may be created. Repeatable = 1 time (GC)

MM 121B 3D Animation – David Folker
Renumbered from MM 115
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Prerequisite: MM 121A
Advisory: MM 102A
Accepted for Credit: CSU

This course will focus on the operation of 3D Computer Animation Software. Students will create their own 3D animations and present their work. The topics covered include: storyboards, principles of animation, function curves, bones, introduction to inverse kinematics, camera motion, scene direction, and exporting animations in different file formats. Repeatable = 1 time (GC)

MM 121C Advanced 3D Modeling and Animation – David Folker
Renumbered from MM 117
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Prerequisite: MM 121B
Advisory: MM 102A Introduction to Multimedia
Accepted for Credit: CSU

Students will learn advanced techniques in modeling and animation using 3D animation software. The topics include advanced modeling tools, texture mapping, lighting and reflection effects, function curves, particle systems, camera effects, scene direction, adding sound, basic video editing, and advanced animation using inverse kinematics. Repeatable = 1 time (GC)

DEGREES/CERTIFICATES: **(Action)**
Deactivated Programs: Windows MCSE – Richard Grotegut
Rationale: The MCSE certification has been replaced by Microsoft with new certificates – MCITP – System Administrators or MCITP Enterprise System Administrators.

Revised Programs:
Certificate of Achievement: Administration of Justice – Mikelyn Stacey
This curriculum is designed to prepare students for employment in entry level and advanced positions in the public and private sectors. The program prepares students for positions such as police officer, deputy sheriff, state or federal patrol and investigative officer, correctional aide, security specialist, community service officer, police cadet, and reserve officer, as well as manager and supervisor in these individual fields. Placement may depend on job availability and the successful completion of an entrance examination.

Requirements for Certificate of Achievement:
a. Complete Major Field courses as indicated below.
b. Complete a minimum of eight units of Major Field Electives.
c. Complete at least six units at Ohlone College.
d. Maintain a 2.0 grade point average in Major Field courses.

Associate in Arts Degree: Administration of Justice
This curriculum is designed to prepare students for employment in entry level and advanced positions in the public and private sectors. The program prepares students for positions such as police officer, deputy sheriff, state or federal patrol and investigative officer, correctional aide, security specialist, community service officer, police cadet, and reserve officer, as well as manager and supervisor in these individual fields. Placement may depend on job availability and the successful completion of an entrance examination.

Requirements for AA Degree:

a. Complete Major Field courses with a grade of C or better.
b. Complete Plan A, B, or C General Education requirements. These are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes

1. Name and describe the steps in the criminal adjudication process that involve the police, the courts, and corrections.
2. Articulate and explain the rights of citizens contained in the 4th, 5th, and 6th Amendments related to any one specific case within the criminal justice system.
3. Demonstrate knowledge of the terminology, concepts, issues, skills sets, laws and procedures, which surround the Criminal Justice professions/agencies, along with the connectivity between agencies, courtroom work group members, and the community.
4. Demonstrate an understanding of procedural law and how it affects citizens, from police contact through the adjudication process, appeal process and the correctional goals.
5. Demonstrate an appreciation for the role of police within society by participating in role-playing scenarios involving police and community interactions and other means of developing interpersonal skills.
6. Define the basic teachings of criminology, criminalistics, criminal justice, and forensic science.

MAJOR FIELD

AJ 101	Administration of Justice	3
AJ 102	Criminal Law	3
AJ 104	Criminal Evidence	3
AJ 106	Criminal Procedure	3
AJ 117	Police and Society	3
AJ 118	Criminology	3
Major Field Electives		16
		Total Units = 34.00

Major Field Electives (choose a minimum of 8 units for Certificate of Achievement; 16 units for AA Degree):

AJ 107	Criminal Investigation	3
AJ 115	Cyber Crime	3
AJ 116	Criminalistics	3
AJ 119	Murder in America	3
AJ 123	Terrorism	3
AJ 131	Administration of Juvenile Justice	3
AJ 132	Civil Law	2
AJ 135	Drug Enforcement	2
AJ 140	Post PC 832 Laws of Arrest	2
AJ 141	Post PC 832 Basic Firearms	1
BA 139	Psychology in the Workplace	3
or		
PSY 139	Psychology in the Workplace	3
PSY 101	General Psychology	3
SOC 101	Introduction to Sociology	3
SOC 102	Social Problems of a Diverse Society	3
SOC 105	Marriage and Family	3
AJ 195A1	Occupational Work Experience Education	1
or		
AJ 195A2	Occupational Work Experience Education	2
or		
AJ 195A3	Occupational Work Experience Education	3
or		
AJ 195A4	Occupational Work Experience Education	4
		Total Units = - 16.00

SUPPORTING COURSE: It is recommended that students select additional courses from among their Major Field Electives in order to broaden their preparation or to direct their program toward such specializations as law enforcement, corrections, investigations, or security. Counselor or instructor assistance in appropriate courses selection is advised. Computer literacy and Spanish language capability recommended.

Total Units = 26.00 - 34.00

Deletion of AJ 144 from Major Field Electives

Associate in Arts Degree: General Focus: Business – Walt Birkedahl

The Associate of Arts degree with an area of emphasis in Business is designed to provide graduates with the skills and knowledge required to work effectively in a variety of business settings. The curriculum provides a solid foundation in areas of business management, information technology, economics, international business, and legal and ethical issues. Graduates from the AA in Business program will be able to communicate effectively for informal, formal, and quantitative tasks and will be conversant with the values and terminology of the field. They will be able to access information resources, evaluate them for credibility and relevance, and use the sources to present a wide range of alternatives. Having utilized academic processes such as feedback from faculty and self-reflection, graduates will be situated for lifelong learning.

It is imperative that students entering Ohlone's Associate of Arts degree in Business meet with a counselor at the start of their academic work. Counselors will assist students in preparing a Student Education Plan that will prepare them to achieve their academic goals.

Requirements for AA Degree:

a. Complete Major Field and Supporting Courses with a grade of C or better.
b. Complete Plan A, B, or C General Education requirements. These are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes

1. Demonstrate understanding of all business functions, practices and related theories and be able to integrate this functional knowledge in order to address business problems.
2. Possess quantitative and technological skills enabling them to analyze and interpret business data and to improve business performance.
3. Demonstrate knowledge of today's domestic and global business environment (e.g., legal, regulatory, political, cultural, and economic).

REQUIRED DEGREE COURSES

BA 101A	Financial Accounting	5
BA 101B	Managerial Accounting	5
BA 102A	Principles of Economics-Macroeconomics	3
BA 102B	Principles of Economics-Microeconomics	3

Total Units = 16.00

SUPPORTING COURSES

Select one course from the courses listed below.

BA 104	Computer Applications in Accounting	3
BA 105	Income Tax Principles	4
BA 115	Career Communication	3
BA 116	Business English and Communication	4
BA 123	Math for Accounting and Business	3
BA 125	Introduction to Business	3
BA 139	Psychology in the Workplace	3
BA 141A	Business Law	3
BA 141C	An Introduction to International Business Law	3
BA 143	Sports Marketing	3
BA 144	Sports Management	3
CS 101	Introduction to Computers and Information Technology	3

MATH 101A	Calculus With Analytic Geometry	5
MATH 101B	Calculus With Analytic Geometry	5
MATH 101C	Calculus With Analytic Geometry	5
MATH 103	Introduction to Linear Algebra	3
MATH 104	Differential Equations	5
MATH 156	Math for Liberal Arts	3
MATH 159	Introduction to Statistics	5
MATH 163	Discrete Mathematics for Computers	3
MATH 166	Finite Mathematics	4
MATH 167	Calculus for Business and Social Science	5
PHIL 106	Ethics	3

Total Units = 2.00 - 5.00
Total Units = 19.00 - 21.00

Delete BA 107 from Supporting Courses.

Certificate of Achievement: Multimedia – David Folker
This program is designed to provide students with technical skills and a strong foundation in design. Students have the opportunity to explore the many different areas of multimedia while following professional practices and employing industry-standard software

Requirements for Certificate of Achievement:
a. Complete Major Field courses as indicated below.
b. Complete at least six units at Ohlone College.
c. Maintain a 2.0 grade point average in Major Field courses.

Associate in Arts Degree: Multimedia
This program is designed to provide students with technical skills and a strong foundation in design. Students have the opportunity to explore the many different areas of multimedia while following professional practices and employing industry-standard software

Requirements for AA Degree:
a. Complete Major Field and Supporting Courses with a grade of C or better.
b. Complete Plan A, B, or C General Education requirements. These are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Employ industry standard software and hardware to create multimedia projects
2. Create an online portfolio that demonstrates technical proficiency and solid design skills
3. Demonstrate understanding of professional practices employed in the multimedia industry
4. Design a variety of multimedia projects that include sound, animation, interactivity, video, and 3D art

MAJOR FIELD

MM 102A	Introduction to Multimedia	3
MM 105	Web Site Design	4
MM 110	Digital Video for the Web and DVD	4
MM 160	Multimedia Portfolio Development	3

Total Units = 14

GRAPHICS/ ART AREA: choose 3-4 units of the following

ART 139A	Beginning Digital Photography	3	**or**
GA 109A	Beginning Graphic Design I (Letter Forms and Typography)	3	**or**
GA 160A	Computer Graphics I	4	

Total Units = 3 - 4

SUPPORTING COURSES
Select 12-14 units from the following:

MM 103A	Introduction to Flash: Animation	0.5
MM 103B	Intermediate Flash: Interactivity	0.5
MM 104	Advanced Interactivity in Flash	3
MM 106	Advanced Web Site Design	3
MM 107	Introduction to Dreamweaver	0.5
MM 118	Introduction to Video Game Design	2
MM 119	Video Game Development	3 - 6
MM 121A	3D Modeling	3
MM 121B	3D Animation	3
MM 121C	Advanced 3D Modeling and Animation	3
MM 162	XHTML	4
MM 195A1	Occupational Work Experience Education	1
MUS 112A	Pro Tools 101	3
		Total Units = 12.00 - 14.00

Deleted from Supporting Courses: MM 114; MM 115; MM 116; MM 117
Added to Supporting Courses: MM 121A; MM 121B; MM 121C; MUS 112A

Associate in Arts Degree: General Focus: Natural Science – Dr. Ron Quinta
The Associate of Arts degree in Natural Science has three areas of emphasis: Biological; Physical Science; and Mathematics and Technology. Students may choose one of these emphases to earn a degree in Natural Science. These emphases will provide students with the knowledge and skills to succeed in a variety of science or technological careers. Graduates with an AA in Natural Science will develop a strong foundation in the life sciences, physical sciences, and mathematics. Furthermore, the theoretical knowledge and laboratory skills acquired by students in these programs will also enhance their success with obtaining entry-level jobs that require two years of college-level science and math.

It is imperative that students entering Ohlone's Associate of Arts degree in Natural Science meet with a counselor at the start of their academic work. Counselors will assist students in preparing a Student Education Plan that will prepare them to pursue their academic goals.

REQUIREMENTS FOR AA DEGREE

a. Complete the Required Degree Courses with a grade of C or better.
b. Complete a minimum of twenty transferable units selected from one of the areas of emphasis, including a minimum of twelve units in the same department and an additional eight units from any of the courses within the emphasis.
c. Complete Plan A, B, or C General Education requirements. These requirements are specified in the Ohlone College catalog. Students who do not intend to transfer may complete Plan A; students who intend to transfer may complete either plan B or C. Counselors will advise students on the general education plan that best prepares them for pursuing an associate degree and/or transfer. Complete at least 60 degree applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.
e. Complete at least 50% of the required degree courses at Ohlone College.

Student Learning Outcomes

1. gain knowledge and skills to succeed in a variety of science or technological careers.
2. gain knowledge and skills to succeed in science majors at a four-year university.

REQUIRED DEGREE COURSES
BIOLOGICAL SCIENCE EMPHASIS -
This emphasis will enable students to develop a strong foundation in the life sciences. Furthermore, the theoretical knowledge and laboratory skills acquired by students in this emphasis will also enhance their success with obtaining entry-level jobs that require two years of college-level life science and laboratory skills.

Choose a minimum of twelve units from the Biology courses listed below and an additional eight units from any of the remaining courses within this emphasis.

ANTH 101	Physical Anthropology	4
BIOL 101A	Principles of Biology--Molecular & Cellular Biology	5

BIOL 101B	Principles of Biology - Organisms and Systems	5
BIOL 103A	Human Anatomy & Physiology	4
BIOL 103B	Human Anatomy & Physiology	4
BIOL 104	Basic Human Anatomy & Physiology	4
BIOL 105	Heredity, Evolution & Society	3
BIOL 106	Microbiology	5
BIOL 107	Microbiology and Infectious Diseases	3
BIOL 108	Human Ecology	3
BIOL 109	Biology of Sexual Reproduction	3
BIOL 114	Introduction to Plant Biology	3
BIOL 130	Introduction to Biology	4
BIOL 140	Sierra Nevada Natural History	3
BIOL 141	Marine Biology	3
BIOL 142	Environmental Biology	4
CHEM 101A	General Chemistry	5
CHEM 102	Preparation for General Chemistry**ARCHIVE**	4
CHEM 106A	Principles of Chemistry	4
CHEM 109	Biochemistry for Health Science and Biotechnology	4
		Total Units = 20.00

PHYSICAL SCIENCE EMPHASIS -
This emphasis will enable students to develop a strong foundation in the physical sciences. Furthermore, the theoretical knowledge and laboratory skills acquired by students in this emphasis will also enhance their success with obtaining entry-level jobs that require two years of college-level physical science and laboratory skills.

Choose a minimum of twelve units from either Chemistry, Geology, or Physics courses listed below and an additional eight units from any of the remaining courses within this emphasis.

ASTR 101A	General Astronomy of the Solar System	3
ASTR 101B	General Astronomy Beyond the Solar System	3
ASTR 102	General Astronomy Lab	1
CHEM 101A	General Chemistry	5
CHEM 101B	General Chemistry	5
CHEM 102	Preparation for General Chemistry**ARCHIVE**	4
CHEM 106A	Principles of Chemistry	4
CHEM 106B	Principles of Chemistry	4
CHEM 108	Survey of Chemistry	3
CHEM 109	Biochemistry for Health Science and Biotechnology	4
CHEM 112A	Organic Chemistry	5
CHEM 112B	Organic Chemistry	5
GEOG 101	Physical Geography	4
GEOL 101	Introduction to Geology	4
GEOL 102	Introduction to Oceanography	3
GEOL 102L	Oceanography Laboratory	1
GEOL 103	Paleontology and Dinosaurs	3
GEOL 103L	Earth History and Paleontology Laboratory	1
PHYS 108	Survey of Physics	3
PHYS 120	Introduction to Physics I	4
PHYS 120A	Introduction to Physics - Calculus Supplement	1
PHYS 121	Introduction to Physics II	4
PHYS 121A	Introduction to Physics II - Calculus Supplement	1
PHYS 140	Mechanics	4
PHYS 141	Electricity and Magnetism	4
PHYS 142	Optics, Heat and Modern Physics	4
		Total Units = 20.00

MATHEMATICS AND TECHNOLOGY EMPHASIS
This emphasis will enable students to develop a strong foundation in mathematics and technology. Furthermore, the theoretical knowledge and laboratory skills acquired by students in this emphasis will also enhance their success with obtaining entry-level jobs that require two years of college-level mathematics and technology courses. Classes prepare students for technical careers such as in information technology,

systems administration, and networking.

Choose a minimum of twelve units in the same department, a minimum of three units in Mathematics, and a minimum of three units in technology (CS or CNET).

CNET 105	PC Hardware and Software	4
CNET 114	How Technology Works	4
CNET 115	Introduction To Robotics and Automated Systems	4
CNET 150	Network Operating System	4
CNET 170	Network Security	4
CNET 171	Information Security	3
CS 101	Introduction to Computers and Information Technology	3
CS 102	Introduction to Computer Programming Using C++	4
CS 104A	Introduction to .NET Programming	4
CS 104B	Advanced .Net Programming	4
CS 104D	Introduction To Web Services for .NET	4
CS 113	Discrete Mathematics for Computers	3
CS 116	Object-Oriented Programming using C++	4
CS 118	Introduction to Assembly Language Programming	4
CS 122	C#.NET Programming	4
CS 124	Programming With Data Structures	4
CS 125	Introduction to Programming Using Java	4
CS 131	Computing in Biotechnology	4
CS 133	Introduction to SAS Programming	3
CS 137	Introduction to SQL	4
CS 141B	SAS Graphing and ODS	2
CS 143	Advanced SAS Programming	3
CS 146	Introduction to UNIX/Linux	3
CS 147	UNIX/Linux Shell Programming	4
CS 149	PERL Programming	4
CS 152	Data Communications	2
CS 157	TCP/IP and Internetworking	3
CS 160A	Computer Graphics I	4
CS 160B	Computer Graphics II	4
CS 162	XHTML	4
CS 170	Java Programming	4
CS 175	From JavaScript to AJAX	4
CS 176	Introduction to PERL CGI Programming	4
CS 178	XML	4
MATH 101A	Calculus With Analytic Geometry	5
MATH 101B	Calculus With Analytic Geometry	5
MATH 101C	Calculus With Analytic Geometry	5
MATH 103	Introduction to Linear Algebra	3
MATH 104	Differential Equations	5
MATH 111	Introduction to Matlab	3
MATH 156	Math for Liberal Arts	3
MATH 159	Introduction to Statistics	5
MATH 163	Discrete Mathematics for Computers	3
MATH 166	Finite Mathematics	4
MATH 167	Calculus for Business and Social Science	5
MATH 181	Trigonometry	3
MATH 188	Pre-Calculus	5
		Total Units = 20.00

Delete CS 169A and CS 169B from the Mathematics and Technology Emphasis. Courses going through deactivation.

Certificate of Accomplishment: 3D Modeling and Animation – David Folker
This certificate provides students with technical and aesthetic skills needed for animation and 3D modeling.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific purpose, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment, students must:

a. Satisfactorily complete the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.

Student Learning Outcomes
1. Employ industry standard software to create 3D imagery and animations.
2. Demonstrate the ability to create 3D objects.
3. Demonstrate the ability to create 3D animations.
4. Illustrate concepts using 3D objects and animations.

MAJOR FIELD

MM 102A	Introduction to Multimedia	3
MM 121A	3D Modeling	3
MM 121B	3D Animation	3
MM 121C	Advanced 3D Modeling and Animation	3
		Total Units = 12

Added: Student Learning Outcomes
Deleted from Major Field: MM 115; MM 116; MM 117
Added to Major Field: MM 121A; MM 121B; MM 121C

Certificate of Accomplishment: Video Game Development – David Folker
This certificate prepares students for entry-level positions in the game Software Development industry, with emphasis on the following roles: Game and Interactive Software Tester, Game Artist, Game Designer.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific course, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment students must:

a. complete satisfactorily the courses listed for the particular certificate.
b. complete at least 50% of the required units at Ohlone College.
c. maintain a 2.0 grade point average.

Student Learning Outcomes
1. Demonstrate an understanding of video game terminology.
2. Produce 3D models and animations for video games.
3. Demonstrate technical and creative skills required to produce a game.
4. Plan and develop projects from concept through to completion.
5. Construct projects in a team environment while following production practices employed in the video game industry.

MAJOR FIELD

MM 118	Introduction to Video Game Design	2
MM 119	Video Game Development	3
MM 121A	3D Modeling	3
MM 121B	3D Animation	3
		Total Units = 11

Revision to: Student Learning Outcomes
Deleted from Major Field: MM 114; MM 115; MM 116

Added to Major Field: MM 121A; MM 121B
Change unit value: from 17 units to 11 units

New Programs:

ISSUES: (Action/Information)

- Approval process revision (Action)

ANNOUNCEMENTS:

- Next Screening Meeting: Monday, October 17, 2011 – 3:00 p.m. to 5:00 p.m. – 4th Floor Bldg. 1 / Newark NC1317
- Next Issues Meeting: Monday, November 7, 2011 – 3:00 p.m. to 5:00 p.m. – Fremont Campus room 7104 and Newark Campus in room NC1317

ADJOURN: