

CONSENT AGENDA ACTION ITEM

Governing Board Agenda

Meeting Date: March 24, 2009

<u>Item Number</u>	<u>Item Title</u>	<u>Responsible Agents</u>
	Curriculum	Dr. Maria Harper-Marinick

Recommendation

The curriculum proposals attached have been processed through all procedures established by the Maricopa County Community Colleges.

It is recommended that the proposals be approved as submitted.

AGENDA HIGHLIGHTS: Please refer to the curriculum Summary on page 2 for a complete listing of all program and course proposals.

Justification

Funding	Approvals/Certifications
<p><u>Source:</u></p> <p><u>Account Identification:</u></p>	<p>Chancellor _____</p> <p>Academic & Student Affairs _____</p> <p>Business Services _____</p> <p>Human Resources _____ ITS _____</p> <p>Res Dev & Cmty Relations _____</p> <p>College President _____</p>

GBA March 24, 2009 MCCCD Governing Board Action Items
Curriculum Summary

COURSE PROPOSALS:

Course Modifications.....page 5

CGCC AET203, AET207, AET210, AET213, AET217, AET220
RSC CSR207, HSA160, LET224
GWCC MET109, MET112, MET116, MET124

New Courses.....page 12

CGCC IBS155
EMCC EDS250, EDS251, EDS252
MCC WLD209
RSC ELN100, ELN103, ELN109, ELN111, ELN115, ELN122, LET224AB

Experimental Courses.....page 15

GWCC MET199WA, MET199WB, MET299WA, MET299WB

PROGRAM PROPOSALS:

New Occupational Programs (NOP).....page 16

EMCC CCL/5661 Foundations of Student Services 16

Occupational Program Modifications (OPM).....page 17

GWCC AAS/3788 Hydrologic Studies 17

MCC AAS/3502 Construction 19
AAS/3802 Architecture 23
CCL/5349 Residential Drafting CADD Level II 27
CCL/5350 Commercial Drafting CADD Level II 28
CCL/5352 Architectural Detailing CADD Level III 29
CCL/5354 Architectural CADD Level III 30
CCL/5501 Surveying and Civil Drafting CADD Level II 31
CCL/5502 Construction Drafting CADD Level III 32

CCL/5197 Community Health Advocate, Diabetes 33
Shared by: MCC,SCC(MOR)

Note: *Indicates Addition of Occupational Program from OPM process

GBA March 24, 2009 MCCCDD Governing Board Action Items
Curriculum Summary

PROGRAM PROPOSALS: - Continued

Occupational Program Modifications (OPM) - Continued

MCC	CCL/5488	Forensic Investigation	34
	CCL/5505	Home Inspection	35
	CCL/5508	Plan Review	36
	CCL/5509	Pre-Contractor Licensing	37
	CCL/5554	Building Inspection Shared (MCC, EMCC)	38
PC	AAS/3144	Therapeutic Massage Shared by: CGCC, PC	39
	CCL/5144	Therapeutic Massage Shared by: CGCC, PC	43
	AAS/3266	Fashion Merchandising	46
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SCC	AAS/3045	Advanced Professional Culinary Arts	51
	AAS/3073	Culinary Fundamentals	53
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Occupational Program Deletions (OPD).....page 57

MCC	CCL/5519	Construction Drafting I	57
	CCL/5523	Construction Drafting II	58
	CCL/5527	Construction Drafting III	59

Academic Program Modifications (APM).....page 60

PC	AC/5242	Creative Writing	60
RSC	AC/6229	Sustainability and Ecological Literacy	61

Note: *Indicates Addition of Occupational Program from OPM process

CURRICULUM ACTIVITY: COURSES FOR March 24, 2009

Total Course Proposals Submitted (28/*3 with 0 modules added, 0 X-refs added and, 0 X-refs deleted)												
Proposal Type/Outcomes	CGCC	EMCC	GWCC	GCC	MCC	PVCC	PC	RSC	SCC	SMCC	Dist	Totals
Course Modification (CM)	6		4					3				13
Course Deletions												0
CM: X-Ref Added (new course generated)												0
CM: Modules Added (new courses generated)												0
CM: Variation Credits/Periods Module Added (new courses generated)												0
New Course (excludes above CM additions)	1	3	*3		1			7				12/*3
Total Courses College Columns	7	3	4/*3	0	1	0	0	10	0	0	0	25/*3
Overall New Courses Generated for MCCC	1	3	*3	0	1	0	0	7	0	0	0	12/*3
Overall Course Modifications Generated for MCCC	6	0	4	0	0	0	0	3	0	0	0	13

*Exp = Experimental Courses # = AES or MIR (Aerospace Studies or Military Science)

CURRICULUM ACTIVITY: PROGRAMS FOR March 24, 2009

Total Program Proposals Submitted (28, with 0 Program Addition(s))												
Proposal Type/Outcomes	CGCC	EMCC	GWCC	GCC	MCC	PVCC	PC	RSC	SCC	SMCC	Dist	Totals
Occupational Program Deletions (OPD)					3							3
New Occupational Program (NOP) (college specific)		1										1
NOP-Shared (*primary college)												0
Occupational Program Modification (OPM)			1		14		4		3			22
OPM-Program Additions (new programs generated)												0
OPM-Program Additions-shared (^primary college)												0
OPM-Change in Availability (shared, new programs generated, *primary college)												0
OPM-Change in Availability (programs no longer offered)												0
Academic Program Deletions (APD)												0
New Academic Program (NAP) (college specific)												0
NAP-Shared (*primary college)												0
Academic Program Modification (APM)							1	1				2
APM-Program Additions-college specific (new programs generated)												0
APM-Change in Availability (new program generated)	2			1	1			1				5
MCCC New Programs Generated	2	1	0	1	1	0	0	1	0	0	0	6
MCCC Modified Programs Generated	0	0	1	0	17	0	5	1	3	0	0	27

Shared Programs include programs offered by two or more colleges and District Wide Programs are offered by all 10 colleges.

NOTE: Program attachments use strikeovers to signify deletion of program information. Text in bold print signifies additions to the program.

ATTACHMENT: CM
COURSE MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

ACT CREDITS PERIODS

PRESENT:

AET203	Basic Airplane Systems	LEC	2.0	2.0
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Initial instrument and commercial pilot ground course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate and Instrument rating written examinations. Includes night flight, flight instrument systems and operation, and basic engine, airplane, and altitude systems.
 Prerequisites: Permission of instructor. Prerequisites or Corequisites: AET115.
 Corequisites: AET207 and AET210.

PROPOSED: (Change in: Description, Prerequisites, Corequisites, Competencies, Outline.)

AET203	Basic Airplane Systems	LEC	2.0	2.0
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Beginning commercial pilot ground course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate and Commercial written examination. Discussions will include, but not be limited to reciprocating engines, engine systems, airplane systems, altitude systems, and commercial regulations.
 Prerequisites: AET207, AET217 and AET210 or permission of Instructor. Corequisites: AET220 and AET213.

Type: 0	College: CGCC	Effective: 2009 Fall
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PRESENT:

AET207	Attitude Instruments and Navigation	LEC	2.0	2.0
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Continuing instrument and commercial pilot ground course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate and Instrument rating written examinations. Includes flight physiology, theory of instrument flight, radio navigation, flight and navigation aids, and instrument charts and approach plates.
 Prerequisites: Permission of instructor. Prerequisites or Corequisites: AET115.
 Corequisites: AET203 and AET210.

PROPOSED: (Change in: Description, Prerequisites, Corequisites, Competencies, Outline.)

AET207	Attitude Instruments and Navigation	LEC	2.0	2.0
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Beginning instrument pilot ground course in preparation for the Federal Aviation Administration (FAA) Instrument Pilot Rating and Instrument rating written examinations. Includes preflight preparation, flight instruments, basic attitude instrument flying, radio navigation systems, and technically advanced aircraft systems.
 Prerequisites: AET110, or permission of Instructor. Corequisites: AET210 and AET217.

Type: 0	College: CGCC	Effective: 2009 Fall
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ATTACHMENT: CM
COURSE MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

ACT CREDITS PERIODS

PRESENT:

AET210	Commercial Pilot Flight I	LAB	2.0	5.0
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Initial flight course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate with Instrument rating practical examination. Emphasis on night and instrument operations. Student must fly approximately 60 hours at own expense. Requires passing an operational phase check.
 Prerequisites: Permission of instructor. Prerequisites or Corequisites: AET115.
 Corequisites: AET203 and AET207.

PROPOSED: (Change in: Description, Prerequisites, Corequisites, Title.)

AET210	Instrument Commercial Flight I	LAB	2.0	5.0
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Initial flight course in preparation for the Federal Aviation Administration (FAA) Instrument rating practical examination. Emphasis on night and instrument operations. Student must fly approximately 60 hours at own expense. Requires passing operational phase checks.
 Prerequisites: AET110 or permission of Instructor. Corequisites: AET207 and AET217.

Type: 0 College: CGCC Effective: 2009 Fall

PRESENT:

AET213	Aerodynamics and Performance	LEC	2.0	2.0
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Continuing instrument and commercial pilot ground course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate and Instrument rating written examinations. Includes aerodynamics, airport and airplane operation, stability and control, commercial maneuvers, and flight computer.
 Prerequisites: AET210. Corequisites: AET217 and AET220.

PROPOSED: (Change in: Description, Prerequisites, Corequisites, Competencies, Outline.)

AET213	Aerodynamics and Performance	LEC	2.0	2.0
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Advance commercial pilot ground course in preparation for the Federal Aviation Administration (FAA) Commercial Pilot Certificate and Commercial written examinations. Includes discussion of aerodynamic factors including lift, weight, drag, and thrust. Discussions include, but are not limited to aerodynamics, performance, safe and efficient airplane operations, airplane stability and control, stalls, and spins.
 Prerequisites: AET207, AET217, and AET210. Corequisites: AET220 and AET203.

Type: 0 College: CGCC Effective: 2009 Fall

ATTACHMENT: CM
COURSE MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

		<u>ACT</u>	<u>CREDITS</u>	<u>PERIODS</u>
<u>PRESENT:</u>				
MET124	Statistical Process Control for Technicians	LEC	2.0	2.0
	Identify quality characteristics derived from variable and attribute data. Use of statistical rules for interpretation of control charts. Analyze and recommend appropriate actions on factors affecting process variation. Prerequisites: None.			
<u>PROPOSED:</u>	(Change in: Activity Type: From: Lec To: L+L, Credits From: 2.0 To: 3.0, Periods From: 2.0 To: 4.0, Load From: 2.0 To: 3.7, Competencies, Outline.)			
MET124	Statistical Process Control for Technicians	L+L	3.0	4.0
	Identify quality characteristics derived from variable and attribute data. Use of statistical rules for interpretation of control charts. Analyze and recommend appropriate actions on factors affecting process variation. Prerequisites: None.			
Type: O	College: GWCC			Effective: 2009 Summer I

ATTACHMENT: NC
NEW COURSES: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

		<u>ACT</u>	<u>CREDITS</u>	<u>PERIODS</u>
EDS250	Introduction to Student Services	Lec	3.0	3.0
<p>Student affairs profession with standards and a theoretical base explored. Integrates theory and practice of student services, with the participants exploring on-the-job situations. Prerequisites: Completion of an Associate Degree or permission of Department or Division Chair.</p>				
Type: 0	College: EMCC	Effective: 2009 Spring		
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EDS251	Foundations of Developmental Advising	Lec	3.0	3.0
<p>Academic advising using student development and developmental advising theories and framework. Fundamentals of academic advising including roles and tasks as well as skills and techniques for effective advisement, use of resources, legal and ethical issues, and advising special populations. Prerequisites: Completion of an Associate Degree or permission of Department or Division Chair.</p>				
Type: 0	College: EMCC	Effective: 2009 Spring		
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EDS252	Foundations of Student Affairs Management	Lec	3.0	3.0
<p>Management functions in a Student Affairs Division of a college or university. Practical training to manage functional units in student affairs including budgeting, fiscal management, and human resource management. Prerequisites: EDS250 and completion of an Associate Degree or permission of Department or Division Chair.</p>				
Type: 0	College: EMCC	Effective: 2009 Spring		
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ELN100	Foundations of eLearning Design for K-12	Lec	3.0	3.0
<p>Overview of eLearning design foundations for K-12 environment. Includes the history, characteristics, and theories of eLearning. Principles and models of instruction design as well as eLearning technologies and course management systems covered. Prerequisites: None.</p>				
Type: 0	College: RSC	Effective: 2009 Summer I		
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**ATTACHMENT: NC
NEW COURSES: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09**

ACT CREDITS PERIODS

ELN103 K-12 eLearning Technology and Media Lec 3.0 3.0

Overview of technology and media used in K-12 eLearning environments. Covers types of media, learning settings, instructional strategies, and visual principles as well as current and future trends. Usage of audio and video technology included.
Prerequisites: None.

Type: O College: RSC Effective: 2009 Summer I

ELN109 Engaging K-12 eLearners Lec 3.0 3.0

Overview of engaging K-12 learners in an eLearning environment. Phases of eLearning and eLearning activities covered. Tool usage and assessment emphasized.
Prerequisites: None.

Type: O College: RSC Effective: 2009 Summer I

ELN111 K-12 eLearning Environments Lec: 3.0 3.0

Introduction to eLearning environments for K-12 teachers. Synchronous and asynchronous environments as well as online collaboration covered with an emphasis on considerations for K-12 students. Course management systems for K-12 learning environments also included.
Prerequisites: None.

Type: O College: RSC Effective: 2009 Summer I

ELN115 eLearning for Multiple Generations Lec 3.0 3.0

Overview of eLearning for existing, new, and emerging generations. Covers engagement, interaction, and collaboration of eLearners from various generations. Impact of eLearning on various generations as well as usage of games, activities, rewards, and feedback included.
Prerequisites: None.

Type: O College: RSC Effective: 2009 Summer I

**ATTACHMENT: NC
NEW COURSES: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09**

		<u>ACT</u>	<u>CREDITS</u>	<u>PERIODS</u>
ELN122	K-12 eLearning Assessment Creation	Lec	3.0	3.0

Procedures for creating assessments for K-12 eLearning environment. Emphasis on importance of and plans to measure learning as well as implications for K-12 eLearners. Covers learning outcomes, performance objectives, types of assessments. Online student interaction and collaboration included.
Prerequisites: None.

Type: O College: RSC Effective: 2009 Summer I

IBS155	Islamic Countries: International Business Environment	Lec	2.0	2.0
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Introductory course which gives suggestions for trading with Islamic countries. Includes cultural, social and geographic overviews of the regions in addition to business issues. Key focus on small to medium-sized firms as importers/exporters to and from the region.
Prerequisites: None.

Type: A College: CGCC Effective: 2009 Fall

LET224AB	Crime Scene Investigations II	Lec	2.0	2.0
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Continuation of techniques for conducting a crime scene investigation. Includes interviews and interrogations, information sources, and report preparation.
Prerequisites: LET224AA.

Type: O College: RSC Effective: 2009 Summer II

WLD209	Shielded Metal Arc Welding (SMAW) (Arc) Gas Metal Arc Welding (GMAW) (Mig)	L+L	3.0	8.0
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Provides skill development in Gas Metal Arc Welding (GMAW/mig) and Shielded Metal Arc Welding (SMAW). Classes are conducted in laboratories that are equipped with modern industrial welding equipment and emphasize skill development with advanced welding techniques utilizing tig and mig machines.
Prerequisites: WLD101 or WLD102 or permission of Instructor.

Type: O College: MCC Effective: 2009 Summer I

ATTACHMENT: EXP
EXPERIMENTAL COURSES: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

		<u>ACT</u>	<u>CREDITS</u>	<u>PERIODS</u>
MET199WA	Quality Systems	L+L	3.0	4.0
<p>History of quality systems and procedures. Benefits of ISO 9000 procedures. The twenty elements of ISO 9000. Components and requirements of the International Organization for Standardization (ISO) 9000 quality and periodic audits. Prerequisites: None.</p>				
Type: 0	College: GWCC	Effective: 2009 Spring - 2010 Fall		
<hr/>				
MET199WB	Applied Statistical Process Control Methods	L+L	3.0	4.0
<p>Identification of quality characteristics derived from variable and attribute data. Usage of statistical rules for interpretation of control charts. Analysis and recommendation of appropriate actions on factors affecting process variation. Prerequisites: None.</p>				
Type: 0	College: GWCC	Effective: 2009 Spring - 2010 Fall		
<hr/>				
MET299WA	CAD/CAM Computer Numerical Control (CNC) Programming: Unigraphics NX	L+L	3.0	5.0
<p>Unigraphics manufacturing terminology, invoking manufacturing and set default module, user preferences, roles and user menus. Unigraphics NX documentation, setup program, operations, tooling and geometry groups. Geometry import, work reference and machine coordinate system. Programming of two-dimensional (2 and 2-1/2 Axis) Computer Numerical Control (CNC) machines and tool path generation for common machine tools. Tool path simulation for material removal. In process work piece creation and use. Tool path post processing with G and M code verification and editing. Prerequisites: MET216AD or permission of Instructor.</p>				
Type: 0	College: GWCC	Effective: 2009 Spring - 2010 Fall		
<hr/>				
MET299WB	Advanced CAD/CAM Computer Numerical Control (CNC) Programming: Unigraphics NX	L+L	3.0	5.0
<p>Computer programming of multi-axis (3, 4 and 5-axis positional and simultaneous) Computer Numerical Control (CNC) Machines. Tool path generation for common tool room machinery. Tool path geometry creation, importation and modification. Cutting parameters selection and control, including tool geometry, speeds, feeds and tool path optimization. Tool path simulation for material removal verification with solid geometry. Setup and application of templates for machines, processes and tools. Usage of automated shop documentation. Word Address (G-code) CNC machine tool code production and output verification on CNC machine tools. Creation and editing of Postprocessors for various Machine types. Prerequisites: MET236AD or permission of Instructor.</p>				
Type: 0	College: GWCC	Effective: 2009 Spring - 2010 Fall		
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ATTACHMENT: NOP
NEW OCCUPATIONAL PROGRAMS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**NOP**
Award Type:**CCL**
Effective First Year Term:**2009 Spring**
Overall G.P.A.:**2.00**

Program Title:**Foundations of Student Services**
Initiating College:**EMCC**
Program Availability:**College Specific**
Total Credits:**12**

Major Code:**5661**
Initiator:**Peter Turner**

CIPS Code:**13.0407**
Instructional Council:**Education (56)**

Description: **Provides professional preparation and enhances the professional development of student services employees.**

Program Notes:

+indicates course has prerequisites and/or corequisites

Students must earn a grade of "C" or better for each course in the "Required Courses" area

Admission Criteria:None

Program Prerequisites:None

Required Courses: Credits: 12

EDU250	Teaching and Learning in the Community College	3
+ EDS250	Introduction to Student Services	3
+ EDS251	Foundations of Developmental Advising	3
+ EDS252	Foundations of Student Affairs Management	3

Restricted Electives: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Hydrologic Studies
Award Type: AAS	Initiating College: GW
Effective First Year Term: 2009 Summer I	Program Availability: College Specific
Overall G.P.A.: 2.00	Total Credits: 72.5-75.5
Major Code: 3788	CIPS Code: 15.05.06
Initiator: Lisa Young	Instructional Council Receiving Proposal: Occupational Deans (53)

(AAS in Hydrologic Studies continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 73.5-76.5

+ WRT260	Applied Hydrology: Groundwater, Surface Water and Water Quality	4
+ WRT270AA	Water Resources Internship	1
+ WRT270AB	Water Resources Internship	2
+ WRT270AC	Water Resources Internship	3
General Education: Credits: 25-27		
CORE Credits: 15-17		
First-Year Composition		
+ ENG101	First-Year Composition (3) AND	
ENG102	First-Year Composition (3) OR	
+ ENG111	Technical and Professional Writing (3)	6
Oral Communication		
COM100	Introduction to Human Communication (3) OR	
COM110	Interpersonal Communication (3) OR	
+ COM230	Small Group Communication (3)	3
Critical Reading		
+ CRE111	Critical Reading for Business and Industry (3) OR Equivalent as indicated by assessment	3
Mathematics		
+ MAT120	Intermediate Algebra (5) OR	
+ MAT121	Intermediate Algebra (4) OR	
+ MAT122	Intermediate Algebra (3) OR Equivalent as indicated by assessment.	3-5
DISTRIBUTION Credits: 10		
Humanities and Fine Arts		
	Any approved general education course from the Humanities and Fine Arts area.	3
Natural Sciences		
+ CHM130	Fundamental Chemistry (3) AND	
+ CHM130LL	Fundamental Chemistry Laboratory (1)	4
Social and Behavioral Sciences		
	Any approved general education course from the Social and Behavioral Sciences area.	3

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: **AAS**
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: **2.0**

Program Title: **Construction**
 Initiating College: **MCC**
 Program Availability: **College Specific**
 Total Credits: **67**

Major Code: **3502**
 Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
 Instructional Council Receiving Proposal: **Drafting (24)**

(AAS in Construction continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

+ CET257	Route and Construction Surveying	3
+ CNS201	Construction Management: Office Operation	3
+ CNS230	Computer Aided Design & Drafting (CADD) 3D for Construction and Architecture (CADD II)	3
+ CNS240	Advanced Computer Aided Design & Drafting (CADD) for Construction and Architecture (CADD III)	3
+ CNS250	Civil Drafting I: Land Development	3
+ CNS251	Civil Drafting II: Land Development	3
+ CNS252	Civil Drafting III: Land Development	3
+ CNS261	Microcomputers for Constructors	3
+ CNS282++	Volunteerism for Construction: A Service Learning Experience (any suffixed courses)	1-3
+ CNS290++	Construction Internship (any suffixed courses)	1-3
+ CNS296++	Cooperative Education	1-3
+ CNS298++	Special Project	1-3

Track II—Construction Inspection: 27 credits

+ ARC161	Residential Architecture Drafting I: Computer & Board	3
+ ARC163	Commercial Architecture Drafting I: Computer & Board	3
ELC123	Residential Electrical Wiring and Codes	3
BLT121	Electrical Codes	3
BLT127	Plumbing Codes	3
BLT128	Mechanical Codes	3
BLT140	Environmentally Responsible Building	3
BLT262	Introduction International Residential Code (IRC)	3
BLT263	Building Codes	3
+ BPC170	Computer Maintenance I: A+ Prep	3
+ CNS200	Construction Management: Field Operation	3
+ CNS201	Construction Management: Office Operation	3
CNS263	Electrical Construction Fundamentals	3
+ CNS271	Home Inspection Structure	3
+ CNS272	Home Inspection Plumbing, Electrical & HVAC	3
+ CNS273	Home Inspection Insulation and Interior	3
+ CNS274	Home Inspection Roofing and Exteriors	3
+ CNS282++	Volunteerism for Construction: A Service Learning Experience (any suffixed courses)	1-3
+ CNS285	Introduction to Residential Plan Review	3
+ CNS286	Introduction to Commercial Plan Review	3
+ CNS290++	Construction Internship (any suffixed courses)	1-3
+ CNS296++	Cooperative Education	1-3
+ CNS298++	Special Project	1-3

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: **AAS**
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: **2.0**

Program Title: **Construction**
 Initiating College: **MCC**
 Program Availability: **College Specific**
 Total Credits: **67**

Major Code: **3502**
 Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
 Instructional Council Receiving Proposal: **Drafting (24)**

(AAS in Construction continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Track III—Construction Management: 27 credits

	BLT140	Environmentally Responsible Building	3
	BLT262	Introduction International Residential Code (IRC)	3
	BLT263	Building Codes	3
+	CET101	Surveying I	3
+	CET102	Surveying II	3
	CNS182	Construction Estimating and Print Reading	4
+	CNS200	Construction Management: Field Operation	3
+	CNS201	Construction Management (Office Operation)	3
	CNS221	Applied Engineering Mechanics-Statics	3
	CNS243	Heavy Construction Equipment, Methods, and Materials	3
+	CNS260	Strength of Materials	3
	CNS261	Microcomputers for Constructors	3
	CNS263	Electrical Construction Fundamentals	3
+	CNS282++	Volunteerism for Construction: A Service Learning Experience (any suffixed courses)	1-3
+	CNS290++	Construction Internship (any suffixed courses)	1-3
+	COM225	Public Speaking	3
	ECN211	Macroeconomic Principles	3
	ECN212	Microeconomic Principles	3
	GBS206	Business Law (UCC)	3
+	GBS221	Business Statistics	3
+	CNS296++	Cooperative Education	1-3
+	CNS298++	Special Project	1-3

Free Electives: None

General Education: Credits: 22

CORE: Credits: 12

First-Year Composition

Any approved general education course in the First-Year Composition area 6

Oral Communication

COM100 Introduction to Human Communication 3

Critical Reading

+ CRE101 Critical and Evaluative Reading I (3) OR
 Equivalent as indicated by assessment 3

Mathematics

Met by ~~GTC108~~ **MAT150, MAT151, or MAT152**, in required courses area 0

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**AAS**
Effective First Year Term:**2009 Fall**
Overall G.P.A.: **2.0**

Program Title:**Construction**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits: **67**

Major Code:**3502**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

(AAS in Construction continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

DISTRIBUTION: Credits: 10

Humanities and Fine Arts

Any approved general education course in the Humanities and Fine Arts area 3

Social and Behavioral Sciences

Any approved general education course from the Social and Behavioral Sciences area 3

Natural Sciences

PHY111 General Physics I 4

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: **AAS**
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: **2.0**

Program Title: **Architecture**
 Initiating College: **MCC**
 Program Availability: **College Specific**
 Total Credits: **67**

Major Code: **3802**
 Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
 Instructional Council Receiving Proposal: **Drafting (24)**

(AAS in Architecture continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

+ ARC282++	Volunteerism for Architecture: A Service Learning Experience	1-3
+ ARC290++	Architecture Internship	1-3
+ ARC296++	Cooperative Education	1-4
+ ARC298++	Special Projects	1-3
BLT140	Environmentally Responsible Building	3
BLT262	Residential Building Code	3
+ BPC170	Computer Maintenance I: A+ Prep	3
CIS105	Survey of Computer Information Systems (3) OR	3
CSC180	Computing for Scientists, Engineers and Medical/Health Specialists (3)	3
+ CIS190	Introduction to Local Area Networks	3
+ CNS201	Construction Management (Office Operation)	3
+ CNS230	Computer Aided Design & Drafting II	3
+ CNS240	Computer Aided Design & Drafting III	3
+ CNS285	Introduction to Residential Plan Review	3

Track II—Architectural Drafting: 27 credits

ARC140	Design Foundation I Rendering and Portfolio Development	3
+ ARC150	Architectural Desktop I	3
+ ARC161	Residential Architecture Drafting I: Computer & Board	3
+ ARC162	Advance Residential Architecture Drafting II: Computer & Board	3
+ ARC163	Commercial Architecture Drafting I: Computer & Board	3
+ ARC164	Advance Commercial Architecture Drafting II: Computer & Board	3
ARC165	Introduction to Architecture Professional Practice and Ethics	3
+ ARC225	Fundamentals of Architectural Detailing	3
+ ARC226	Advanced Architectural Detailing	3
+ ARC282++	Volunteerism for Architecture: A Service Learning Experience	1-3
+ ARC290++	Architecture Internship	1-3
+ ARC296++	Cooperative Education	1-4
+ ARC298++	Special Projects	1-3
BLT140	Environmentally Responsible Building	3
BLT262	Residential Building Code	3
+ BPC170	Computer Maintenance I: A+ Prep	3
CIS105	Survey of Computer Information Systems (3) OR	3
CSC180	Computing for Scientists, Engineers and Medical/Health Specialists (3)	3
+ CIS190	Introduction to Local Area Networks	3
+ CNS201	Construction Management (Office Operation)	3
+ CNS230	Computer Aided Design & Drafting II	3
+ CNS240	Computer Aided Design & Drafting III	3
+ CNS285	Introduction to Residential Plan Review	3

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: **AAS**
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: **2.0**

Program Title: **Architecture**
 Initiating College: **MCC**
 Program Availability: **College Specific**
 Total Credits: **67**

Major Code: **3802**
 Initiator: **Mehrzad Khorsandi**

CIPS Code: **15.13.03**
 Instructional Council Receiving Proposal: **Drafting (24)**

(AAS in Architecture continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Track III—Urban Development: 27 credits

AGL189	Landscape Design I	3
+ ARC161	Residential Architecture Drafting I: Computer & Board	3
+ ARC162	Advance Residential Architecture Drafting II: Computer & Board	3
+ ARC282++	Volunteerism for Architecture: A Service Learning Experience	1-3
+ ARC290++	Architecture Internship	1-3
+ ARC296++	Cooperative Education	1-4
+ ARC298++	Special Projects	1-3
BLT140	Environmentally Responsible Building	3
BLT262	Residential Building Code	3
BLT263	General Building Code	3
+ BPC170	Computer Maintenance I: A+ Prep	3
CIS105	Survey of Computer Information Systems (3) OR	3
CSC180	Computing for Scientists, Engineers and Medical/Health Specialists (3)	3
+ CIS190	Introduction to Local Area Networks	3
CNS175	Working Drawing Analysis, Blue Print Reading	3
+ CNS201	Construction Management (Office Operation)	3
+ CNS230	Computer Aided Design & Drafting II	3
+ CNS240	Computer Aided Design & Drafting III	3
+ CNS285	Introduction to Residential Plan Review	3
+ CNS286	Introduction to Commercial Plan Review	3
REA179	Real Estate Principles I	3
+ REA180	Real Estate Principles II	3
+ REA281	Principles of Real Estate	3
+ REA282	Real Estate Finance	3
+ REA284	Real Estate Appraisal	3
+ REA285	Real Estate Selling	3
+ REA286	Advance Real Estate Appraisal	3

Free Electives: None

General Education: Credits: 22

CORE: Credits: 12

First-Year Composition

Any approved general education course in the First-Year Composition area 6

Oral Communication

COM100 Introduction to Human Communication 3

Critical Reading

+ CRE101 Critical and Evaluative Reading I (3) OR
 Equivalent as indicated by assessment 3

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**AAS**
Effective First Year Term:**2009 Fall**
Overall G.P.A.: **2.0**

Program Title:**Architecture**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits: **67**

Major Code:**3802**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

(AAS in Architecture continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Mathematics

Met by ~~GTC108~~ **MAT150, MAT151, or MAT152**, in required courses area 0

DISTRIBUTION: Credits: 10

Humanities and Fine Arts

Any approved general education course in the Humanities and Fine Arts area 3

Social and Behavioral Sciences

Any approved general education course from the Social and Behavioral Sciences area 3

Natural Sciences

PHY111 General Physics I 4

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: **CCL**
Effective First Year Term: **2009 Fall**
Overall G.P.A.: **2.0**

Program Title: **Commercial Drafting CADD Level II**
Initiating College: **MCC**
Program Availability: **College Specific**
Total Credits: **21**

Major Code: **5350**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal: **Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Commercial Drafting CADD Level II prepares students to work as architectural drafting technicians in a variety of commercial (non-residential) design and drafting companies/agencies. Students will enhance their computer and board drafting skills/knowledge and also train on commercial specific drafting skills to perform intermediate level drafting technician responsibilities.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites:

~~Certificate of Completion in Computer Aided Designs and Drafting CADD Level I (5498)~~ ————— 9
None

Required Courses: Credits: ~~24~~ **27**

+ ARC163	Commercial Architecture Drafting	3
+ ARC164	Advanced Commercial Architecture Drafting	3
+ ARC226	Advanced Architectural Detailing	3
+ ARC282AC	Volunteerism for Architecture: A Service Learning Experience (3) OR	
+ ARC290AC	Architecture Internship (3) OR	
+ ARC296WC	Cooperative Education (3) OR	
+ ARC298AC	Special Projects (3)	3
BLT263	General Building Code	3
CNS130	Construction Drawing Foundation	3
CNS180	Building Construction Methods, Materials, & Equipment	3
+ CNS230	Computer Aided Design & Drafting (CADD) 3D for Construction and Architecture (CADD II)	3
+ CNS240	Advanced Computer Aided Design & Drafting (CADD) for Construction and Architecture (CADD III)	3

Restricted Electives: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**CCL**
Effective First Year Term:**2009 Fall**
Overall G.P.A.: **2.0**

Program Title:**Architectural CADD Level III**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits: **27**

Major Code:**5354**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Architectural CADD Level III prepares students to work as advanced architectural computer technicians within architectural firms/agencies. The program develops knowledge and skills required to perform various computer needed responsibilities for all types of residential and commercial construction. Students will develop knowledge and skills of two architectural software applications and residential/commercial drafting.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites:

~~Certificate of Completion in Computer Aided Designs and Drafting CADD Level I (5498)~~ **9**

None

Required Courses: Credits: 27

	ARC150	Architectural Desktop I	3
+	ARC161	Residential Architecture Drafting	3
+	ARC162	Advanced Residential Architecture Drafting	3
+	ARC163	Commercial Architecture Drafting	3
+	ARC164	Advanced Commercial Architecture Drafting	3
+	ARC282AC	Volunteerism for Architecture: A Service Learning Experience (3) OR	
+	ARC290AC	Architecture Internship (3) OR	
+	ARC296WC	Cooperative Education (3) OR	
+	ARC298AC	Special Projects (3)	3
	CNS130	Construction Drawing Foundation	3
+	CNS230	Computer Aided Design & Drafting (CADD) 3D for Construction & Architecture (CADD II)	3
+	CNS240	Advanced Computer Aided Design & Drafting (CADD) for Construction & Architecture (CADD III)	3

Restricted Electives: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Surveying and Civil Drafting CADD Level II
Award Type: CCL	Initiating College: MCC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.0	Total Credits: 21

Major Code: 5501	CIPS Code: 15.13.01
Initiator: Mehrzaad Khorsandi	Instructional Council Receiving Proposal: Drafting (24)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Program Title To: Survey and Civil Drafting - CADD Level II

Description: The Certificate of Completion (CCL) in Survey and Civil Drafting - CADD Level II prepares the student to work as a construction drafting technician for civil engineering, surveying, and construction-related company/agency. The student will be equipped with the knowledge and skills of software applications to perform various construction drafting (computer and board) related responsibilities for surveying, civil engineering, and construction-related work.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
 + indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: : ~~Credits: 9~~

~~Certificate of Completion in Computer Aided Designs & Drafting CADD Level I (5498) ————— 9~~
None

Required Courses: Credits: ~~24~~ **27**

+ CET101	Surveying I	3
+ CET102	Surveying II	3
	CNS130 Construction Drawing Foundation	3
+ CNS230	Computer Aided Design & Drafting (CADD) 3D for Construction and Architecture (CADD II)	3
+ CNS240	Advanced Computer Aided Design & Drafting (CADD) for Construction and Architecture (CADD III)	3
+ CNS250	Civil Drafting I: Land Development	3
+ CNS251	Civil Drafting II: Land Development	3
+ CNS252	Civil Drafting III: Land Development	3
+ CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+ CNS290AC	Construction Internship (3) OR	
+ CNS296WC	Cooperative Education (3) OR	
+ CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Construction Drafting CADD Level III
Award Type: CCL	Initiating College: MCC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.0	Total Credits: 21

Major Code: 5502	CIPS Code: 15.13.01
Initiator: Mehrzaad Khorsandi	Instructional Council Receiving Proposal: Drafting (24)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 27

Description: The Certificate of Completion (CCL) in Construction Drafting - CADD Level III prepares the student to work as an advanced construction draftsman for construction-related design and drafting companies/agencies. The student will develop knowledge of and skills for commonly used computer software applications. Students will be able to perform various construction drafting-related functions necessary for any architecture, civil, and construction-related work.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
 + indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: : ~~Credits: 9~~

~~Certificate of Completion in Computer Aided Designs & Drafting CADD Level I (5498) ————— 9~~
None

Required Courses: Credits: ~~24~~ **27**

+ ARC150	Architectural Desktop I	3
+ ARC161	Residential Architecture Drafting	3
+ ARC163	Commercial Architecture Drafting	3
CNS130	Construction Drawing Foundation	3
+ CNS230	Computer Aided Design & Drafting (CADD) 3D for Construction and Architecture (CADD II)	3
+ CNS240	Advanced Computer Aided Design & Drafting (CADD) for Construction and Architecture (CADD III)	3
+ CNS250	Civil Drafting I: Land Development	3
+ CNS251	Civil Drafting II: Land Development	3
+ CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+ CNS290AC	Construction Internship (3) OR	
+ CNS296WC	Cooperative Education (3) OR	
+ CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM** Program Title: **Forensic Investigation**
Award Type: **CCL** Initiating College: **MCC**
Effective First Year Term: **2009 Summer I** Program Availability: **College Specific**
Overall G.P.A.: **2.0** Total Credits: **18**

Major Code: **5488** CIPS Code: **43.01.06**
Initiator: **Bert Ouderkirk** Instructional Council Receiving Proposal: **Administration of Justice Studies (01)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Forensic Investigation provides the student with a specialization in forensic investigation as it relates to crime. The curriculum presents a specialized scope of knowledge about photography, collection and preservation of evidence, and investigative strategies. The program provides students with an important knowledge base for investigative specialization in a wide range of disciplines and careers.

Program Notes:

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of "C" or better for all courses within the program.

Admission Criteria: None

Program Prerequisites: None

Required Courses: Credits: 18

AJS215	Criminalistics Physical Evidence	3
AJS216	Criminalistics: Biological Evidence	3
AJS241	Police Photography	3
AJS/EMT/FSC/SWU258	Victimology and Crisis Management	3
AJS275	Criminal Investigation I	3
AJS290AI	Theories of Criminal Behavior	1
AJS290AU	Child Abuse Investigation	1
AJS290BH	Sex Crimes Investigation	1
ASM275	Introduction to Forensic Anthropology	3

Restricted Electives: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: **CCL**
Effective First Year Term: **2009 Fall**
Overall G.P.A.: **2.0**

Program Title: **Home Inspection**
Initiating College: **MCC**
Program Availability: **College Specific**
Total Credits: **21**

Major Code: **5505**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal: **Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Home Inspection prepares the student for a career in home inspection. The certificate provides the student with the knowledge necessary to seek Arizona State Home Inspection certification. In addition to completing these courses, the student must also acquire additional hours of mentored home inspections in order to qualify for the state certification exam.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: None

Required Courses: Credits: 21

	CNS175	Working Drawing Analysis: Blueprint Reading	3
+	CNS201	Construction Management: Office Operation	3
+	CNS271	Home Inspection Structure	3
+	CNS272	Home Inspection Plumbing, Electrical and HAVC	3
+	CNS273	Home Inspection: Insulation and Interior	3
+	CNS274	Home Inspection: Roofing and Exteriors	3
+	CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+	CNS290AC	Construction Internship (3) OR	
+	CNS296WC	Cooperative Education (3) OR	
+	CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**CCL**
Effective First Year Term:**2009 Fall**
Overall G.P.A.: **2.0**

Program Title:**Plan Review**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits: **27**

Major Code:**5508**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Plan Review prepares students who currently have knowledge of architecture, engineering, or related fields or who are currently working for governmental agencies in lower level, related, positions and are seeking jobs in public agencies/governmental or private companies who work in these capacities for the code compliance plan review field. The student gains the knowledge and develops skills necessary to review residential and commercial plans for code compliance.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: None

Required Courses: Credits: 27

+ ARC161	Residential Architecture Drafting	3
+ ARC163	Commercial Architecture Drafting	3
BLT262	Introduction International Residential Code (IRC)	3
BLT263	Building Codes	3
CNS130	Construction Drawing Foundation	3
CNS180	Building Construction Methods, Materials, and Equipment	3
+ CNS285	Introduction to Residential Plan Review	3
+ CNS286	Introduction to Commercial Plan Review	3
+ CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+ CNS290AC	Construction Internship (3) OR	
+ CNS296WC	Cooperative Education (3) OR	
+ CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: **CCL**
Effective First Year Term: **2009 Fall**
Overall G.P.A.: **2.0**

Program Title: **Pre-Contractor Licensing**
Initiating College: **MCC**
Program Availability: **College Specific**
Total Credits: **27**

Major Code: **5509**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **15.13.03**
Instructional Council Receiving Proposal: **Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Pre-Contracting Licensing prepares the student for a career as a general contractor. Before one can practice as a general contractor, the State of Arizona requires that a passing score is obtained on the general contractor's exam. With this certificate student will gain the knowledge and develop the skills required to function as a junior contractor and/or to help them prepare for the state general contracting exam.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: None

Required Courses: Credits: 21

BLT263	Building Codes	3
CNS175	Working Drawing Analysis: Blueprint Reading	3
CNS180	Building Construction Methods, Materials, and Equipment	3
CNS181	Cost Estimating I	3
+ CNS200	Construction Management: Field Operation	3
+ CNS201	Construction Management: Office Operation	3
+ CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+ CNS290AC	Construction Internship (3) OR	
+ CNS296WC	Cooperative Education (3) OR	
+ CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: **CCL**
Effective First Year Term: **2009 Fall**
Overall G.P.A.: **2.0**

Program Title: **Building Inspection**
Initiating College: **MCC**
Program Availability: **Shared (MCC, EMCC)**
Total Credits: **21**

Major Code: **5554**
Initiator: **Mehrzaad Khorsandi**

CIPS Code: **46.04.03**
Instructional Council Receiving Proposal: **Drafting (24)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) in Building Inspection prepares the student for a career in public/governmental agencies as an inspector in various areas of the building inspection field. The student gains the knowledge and develops skills necessary to perform as a building inspector in general building code compliance inspection or in specific areas of code compliance, such as mechanical, electrical, plumbing, etc.

Program Notes:

Students must earn a grade of "C" or better for each course listed in the required courses area.
+ indicates course has prerequisites and/or corequisites.

Admission Criteria: None

Program Prerequisites: None

Required Courses: Credits: 21

BLT121	Electrical Codes	3
BLT127	Plumbing Codes	3
BLT128	Mechanical Codes	3
BLT262	Introduction International Residential Code (IRC)	3
BLT263	Building Codes	3
CNS175	Working Drawing Analysis: Blueprint Reading	3
+ CNS282AC	Volunteerism for Construction: A Service Learning Experience (3) OR	
+ CNS290AC	Construction Internship (3) OR	
+ CNS296WC	Cooperative Education (3) OR	
+ CNS298AC	Special Projects (3)	3

Restricted Elective: None

Free Electives: None

General Education: None

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Therapeutic Massage
Award Type: AAS	Initiating College: PC
Effective First Year Term: 2009 Fall	Program Availability: Shared by: CGCC, PC
Overall G.P.A.: 2.00	Total Credits: 64-68

Major Code: 3144	CIPS Code: 51.35.01
Initiator: Dianne Geddis	Instructional Council Receiving Proposal: Exercise Science, Health & Physical Education, Recreation & Wellness (32)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Associate in Applied Science (AAS) program is designed to provide students with the philosophical foundation and technical skills required to perform therapeutic massage. Students are prepared to manage a private massage practice and/or work in collaboration with other health field professionals. Students who complete this degree program will be qualified to apply for licensure as massage therapists in the State of Arizona. Students in the Therapeutic Massage program may be exposed to potentially infectious blood, tissues, and body fluids. A Certificate of Completion (CCL) is also available.

Program Notes:

+ indicates course has prerequisites and/or corequisites.

++ indicates any module.

Students must earn a grade of "C" or better for all courses required within the program.

Students must attend an orientation prior to ~~making an application~~ **applying** to the program and ~~receive advisement from~~ **be advised by** the Program Director.

A special application must be completed to be officially accepted in the program.

Contact the Program Director or Advisement to obtain the Therapeutic Massage Program packet.

Admission Criteria:

High school diploma or GED.

Completion of Program Prerequisites courses with a grade of "C" or better.

Proof of current immunization: MMR (Measles, Mumps, and Rubella), TB (tuberculosis skin test), varicella, tetanus, diphtheria, and HEB (Hepatitis B vaccine).

Have the ability to fully participate in classroom, laboratory, or clinical setting program activities.

Submit current CPR card for Health Care Provider and maintain current status throughout the practicum(s).

Complete and submit the health declaration form signed by a licensed health care provider.

Submit to a drug screening and demonstrate negative results.

Submit current fingerprinting clearance card.

Successfully complete an interview process.

Formal application and admission to the program ~~is~~ **are** required.

Program Prerequisites: 11-15 Credits

Students must earn a grade of "C" or better for all courses in the Program Prerequisites area.

OPTION 1: 15 Credits

BIO160	Introduction to Human Anatomy and Physiology	4
HCC130	Fundamentals in Health Care Delivery	3
HCC145AA	Medical Terminology for Health Care Workers I	1
WED151	Introduction to Alternative Medicine	3
WED165	Overview of Massage Therapy	2
WED215	Self-Care for Health Care Providers	2

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Therapeutic Massage
Award Type: AAS	Initiating College: PC
Effective First Year Term: 2009 Fall	Program Availability: Shared by: CGCC, PC
Overall G.P.A.: 2.00	Total Credits: 64-68
Major Code: 3144	CIPS Code: 51.35.01
Initiator: Dianne Geddis	Instructional Council Receiving Proposal: Exercise Science, Health & Physical Education, Recreation & Wellness (32)

(AAS in Therapeutic Massage continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

OPTION 2: 11 Credits

Option 2 is for students who have completed an Associate in Applied Science degree or higher degree in a health science discipline from a regionally accredited institution of higher education recognized by The Maricopa Community Colleges.

BIO160	Introduction to Human Anatomy and Physiology	4
WED151	Introduction to Alternative Medicine	3
WED165	Overview of Massage Therapy	2
WED215	Self-Care for Health Care Providers	2

Required Courses: 24 Credits

MGT253	Owning and Operating a Small Business	3
+ WED230	Therapeutic Massage Practices I	6
+ WED231	Therapeutic Massage Practices II	6
+ WED232	Therapeutic Massage Practices III	6
+ WED250	Clinical Practicum	3

Restricted Electives: 8 Credits

Students must select a minimum of one (1) course from each category **for a total of (8) eight credits.**

CATEGORY I: General

Select a minimum of one (1) course from Category I

HES100	Healthful Living	3
HES271	Prevention and Treatment of Athletic Injuries	3
WED297AC	Special Topics: Therapeutic Massage	3

CATEGORY II: Hands-on

Select a minimum of one (1) course from Category II. Permission of Program Director is required.

+ WED210	Sports Massage	2
+ WED262	Acupressure/Shiatsu I	2
+ WED264	Acupressure/Shiatsu II	2
WED297AB	Special Topics: Therapeutic Massage	2

CATEGORY III: Specialty Exploration

Select a minimum of one (1) course from Category III

WED156	Humor and Play	1
WED160	Ethics of Touch Massage	0.50
WED162	Meditation and Wellness	1
WED170	Principles of Homeopathy	1
WED172	Overview of Herbal Remedies	1
WED176	Flower Essences	1
WED182	Health Conditions and Popular Herbs	2
WED218	Aromatherapy	1
WED297AA	Special Topics: Therapeutic Massage	1

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: AAS
Effective First Year Term: **2009 Fall**
Overall G.P.A.: 2.00

Program Title: Therapeutic Massage
Initiating College: PC
Program Availability: Shared by: CGCC, PC
Total Credits: 64-68

Major Code: 3144
Initiator: Dianne Geddis

CIPS Code: 51.35.01
Instructional Council Receiving Proposal: Exercise Science,
Health & Physical Education, Recreation & Wellness (32)

(AAS in Therapeutic Massage continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

CATEGORY IV: Physical Activity

Select a minimum of one (1) course from Category IV.

PED101AK	Aikido (1) OR	
PED102AK	Aikido – Intermediate (1) OR	
PED103AK	Aikido (0.5) <i>(may be repeated)</i> OR	
PED201AK	Aikido – Advanced (1)	1
PED101TC	Tai Chi (1) OR	
PED102TC	Tai Chi (1) - Intermediate OR	
PED103TC	Tai Chi (0.5) <i>(may be repeated)</i> OR	
PED201TC	Tai Chi – Advanced (1)	1
PED101YO	Yoga (1) OR	
PED102YO	Yoga – Intermediate (1) OR	
PED103YO	Yoga (0.5) <i>(may be repeated)</i> OR	
PED201YO	Yoga – Advanced (1)	1
WED/PED121	Physical Conditioning for Massage Therapists	1

Free Electives: None.

General Education: 21 Credits

Core: 15 Credits

First-Year Composition:

+ Any approved General Education courses in the First-Year Composition area. 6

Oral Communication

COM110 Interpersonal Communication (3) OR
+ COM230 Small Group Communication (3) 3

Critical Reading

+ Any approved General Education course in the Critical Reading area. 3

Mathematics:

+ Any approved General Education course in the Mathematics area. 3

Distribution: 6 Credits

Humanities and Fine Arts

Any approved General Education course in the Humanities and Fine Arts area. 3

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: CCL
Effective First Year Term: **2009 Fall**
Overall G.P.A.: 2.00

Program Title: Therapeutic Massage
Initiating College: PC
Program Availability: Shared by: CGCC, PC
Total Credits: 64-68

Major Code: 5144
Initiator: Dianne Geddis

CIPS Code: 51.35.01
Instructional Council Receiving Proposal: Exercise Science,
Health & Physical Education, Recreation & Wellness (32)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Certificate of Completion (CCL) program is designed to provide students with the philosophical foundation and technical skills required to perform therapeutic massage. Students are prepared to manage a private massage practice and/or work in collaboration with other health field professionals. Students who complete this certificate program will be qualified to apply for licensure as massage therapists in the State of Arizona. Students in the Therapeutic Massage program may be exposed to potentially infectious blood, tissues, and body fluids. An Associate in Applied Science (AAS) degree is also available.

Program Notes:

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of "C" or better for all courses required within the program.

Students must attend an orientation prior to ~~making an application~~ **applying** to the program and ~~receive advisement from~~ **be advised by** the Program Director.

A special application must be completed to be officially accepted in the program. Contact the Program Director or Advisement to obtain the Therapeutic Massage Program packet.

Admission Criteria:

High school diploma or GED.

Completion of Program Prerequisites courses with a grade of "C" or better.

Proof of current immunization: MMR (Measles, Mumps, and Rubella), TB (tuberculosis skin test), varicella, tetanus, diphtheria, and HEB (Hepatitis B vaccine).

Successful completion of interview process.

Have the ability to fully participate in classroom, laboratory, or clinical setting program activities.

Submit current CPR card for Health Care Provider and maintain current status throughout the practicum(s).

Complete and submit the health declaration form signed by a licensed health care provider.

Submit to a drug screening and demonstrate negative results.

Submit current fingerprinting clearance card.

Formal application and admission to the program ~~is~~ **are** required.

Program Prerequisites: Credits: 11-15

Students must earn a grade of "C" or better for all courses in the Program Prerequisites area.

OPTION 1: Credits: 15

BIO160	Introduction to Human Anatomy and Physiology	4
HCC130	Fundamentals in Health Care Delivery	3
HCC145AA	Medical Terminology for Health Care Workers I	1
WED151	Introduction to Alternative Medicine	3
WED165	Overview of Massage Therapy	2
WED215	Self-Care for Health Care Providers	2

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Therapeutic Massage
Award Type: CCL	Initiating College: PC
Effective First Year Term: 2009 Fall	Program Availability: Shared by: CGCC, PC
Overall G.P.A.: 2.00	Total Credits: 64-68

Major Code: 5144	CIPS Code: 51.35.01
Initiator: Dianne Geddis	Instructional Council Receiving Proposal: Exercise Science, Health & Physical Education, Recreation & Wellness (32)

(CCL in Therapeutic Massage continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

OPTION 2: Credits: 11

Option 2 is for students who have completed an Associate in Applied Science degree or higher degree in a health science discipline from a regionally accredited institution of higher education recognized by The Maricopa Community Colleges.

BIO160	Introduction to Human Anatomy and Physiology	4
WED151	Introduction to Alternative Medicine	3
WED165	Overview of Massage Therapy	2
WED215	Self-Care for Health Care Providers	2

Required Courses: Credits: 24

MGT253	Owning and Operating a Small Business	3
+ WED230	Therapeutic Massage Practices I	6
+ WED231	Therapeutic Massage Practices II	6
+ WED232	Therapeutic Massage Practices III	6
+ WED250	Clinical Practicum	3

Restricted Electives: Credits: 4

Students must select from different categories for a total of 4 credits.
 Student should select from the following categories in consultation with the Program Director.

CATEGORY I: General

HES100	Healthful Living	3
HES271	Prevention and Treatment of Athletic Injuries	3
WED297AC	Special Topics: Therapeutic Massage	3

CATEGORY II: Hands-on

Permission of Program Director is required.

+ WED210	Sports Massage	2
+ WED262	Acupressure/Shiatsu I	2
+ WED264	Acupressure/Shiatsu II	2
WED297AB	Special Topics: Therapeutic Massage	2

CATEGORY III: Specialty Exploration

WED156	Humor and Play	1
WED160	Ethics of Touch Massage	0.50
WED162	Meditation and Wellness	1
WED170	Principles of Homeopathy	1
WED172	Overview of Herbal Remedies	1
WED176	Flower Essences	1
WED182	Health Conditions and Popular Herbs	2
WED218	Aromatherapy	1
WED297AA	Special Topics: Therapeutic Massage	1

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: CCL
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: 2.00

Program Title: Therapeutic Massage
 Initiating College: PC
 Program Availability: Shared by: CGCC, PC
 Total Credits: 64-68

Major Code: 5144
 Initiator: Dianne Geddis

CIPS Code: 51.35.01
 Instructional Council Receiving Proposal: Exercise Science,
 Health & Physical Education, Recreation & Wellness (32)

(CCL in Therapeutic Massage continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

CATEGORY IV: Physical Activity

PED101AK	Aikido (1) OR	
PED102AK	Aikido – Intermediate (1) OR	
PED103AK	Aikido (0.5) (may be repeated) OR	
PED201AK	Aikido – Advanced (1)	1
PED101TC	Tai Chi (1) OR	
PED102TC	Tai Chi (1) - Intermediate OR	
PED103TC	Tai Chi (0.5) (may be repeated) OR	
PED201TC	Tai Chi – Advanced (1)	1
PED101YO	Yoga (1) OR	
PED102YO	Yoga – Intermediate (1) OR	
PED103YO	Yoga (0.5) (may be repeated) OR	
PED201YO	Yoga – Advanced (1)	1
WED/PED121	Physical Conditioning for Massage Therapists	1

Free Electives: None.

General Education: None.

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCC D GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: AAS
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: 2.0

Program Title: Fashion Merchandising
 Initiating College: PC
 Program Availability: College Specific
 Total Credits: 64-66

Major Code: 3266
 Initiator: Brenda Maynard/Leslie Bush

CIPS Code: 52.14.01
 Instructional Council Receiving Proposal: Business/Management (03)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 66-68

Description: This Associate in Applied Science (AAS) in Fashion Merchandising program is designed to meet the needs of students who have interest and ability in fashion merchandising. A student completing this program develops competencies essential for success in a variety of occupations including retail buying, management, store planning, visual display, and wholesale merchandising. Sufficient flexibility in curriculum allows for development of individual interests. A Certificate of Completion (CCL) is also available.

Program Notes:

+Indicates course has prerequisites and/or corequisites.

++ indicates any modules.

Students must earn a grade of "C" or better in all courses within the program.

Admission Criteria: None.

Program Prerequisites: None.

Required Courses: Credits: ~~35~~ 37

— BPC/CIS114AE	Excel: Level I (1) OR	
+ BPC/CIS114BE	Excel: Level II (1) OR	
+ BPC/CIS114CE	Excel: Level III (1)	1
<hr/>		
BPC110	Computer Usage and Applications	3
MGT229	Management and Leadership I	3
+ MGT230	Management and Leadership II	3
MGT251	Human Relations in Business	3
+ MGT259	Management Seminar	1
+ MGT260AA	Management Internship	3
MKT109	Introduction to Fashion Merchandising	3
MKT151	Display and Visual Merchandising	3
MKT/TEC200	Retail Buying	3
MKT263	Advertising Principles	3
MKT267	Principles of Salesmanship	3
MKT271	Principles of Marketing	3
TEC105	Cultural Aspects of Clothing (3) OR	
TEC106	History of Fashion (3) OR	3
— TEC222	Textiles (3)	

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Fashion Merchandising
Award Type: AAS	Initiating College: PC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.0	Total Credits: 64-66
Major Code: 3266	CIPS Code: 52.14.01
Initiator: Brenda Maynard/Leslie Bush	Instructional Council Receiving Proposal: Business/Management (03)

(AAS in Fashion Merchandising continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 66-68

Restricted Electives: Credits: 4-6

Students should select from the following courses in consultation with a department advisor:

GBS205	Legal, Ethical, and Regulatory Issues in Business	3
+ INT+++++	Any INT Course	3
MGT/BTO148	Office Ethics and Culture	2
MGT253	Owning and Operating a Small Business	3
MGT276	Personnel/Human Resource Management	3
+ MKT/TEC274AC	Fashion Merchandising Study Tour	3
SPA101	Elementary Spanish I (4) OR	
SPA115	Beginning Spanish Conversation I (3)	3-4
TEC+++++	Any TEC Textiles and Clothing prefixed course not listed under the Required Courses area.	3

Free Electives: None.

General Education: Credits: 25

CORE: Credits: 15

First-Year Composition: Any approved General Education courses in the First-Year Composition area.	6
Oral Communication Any approved General Education course in the Oral Communication area.	3
Critical Reading: Any approved General Education course in the Critical Reading area.	3
Mathematics: Any approved General Education course in the Mathematics area OR Equivalent as indicated by assessment OR Satisfactory completion of a higher level mathematics course	3

DISTRIBUTION: Credits: 10

Humanities and Fine Arts: Any approved General Education course in the Humanities and Fine Arts area.	3
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ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: AAS
Effective First Year Term: **2009 Fall**
Overall G.P.A.: 2.0

Program Title: Fashion Merchandising
Initiating College: PC
Program Availability: College Specific
Total Credits: 64-66

Major Code: 3266
Initiator: Brenda Maynard/Leslie Bush

CIPS Code: 52.14.01
Instructional Council Receiving Proposal: Business/Management (03)

(AAS in Fashion Merchandising continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 66-68

Social and Behavioral Sciences:

Any approved General Education course in the Social and Behavioral Sciences area.
(Recommended: PSY or SOC)

3

Natural Sciences:

Any approved General Education course in the Natural Sciences area.

4

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
Award Type: CCL
Effective First Year Term: **2009 Fall**
Overall G.P.A.: 2.0

Program Title: Fashion Merchandising
Initiating College: PC
Program Availability: College Specific
Total Credits: 35-38

Major Code: 5266
Initiator: Brenda Maynard/Leslie Bush

CIPS Code: 52.14.01
Instructional Council Receiving Proposal: Business/Management (03)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 37- 40

Description: This Certificate of Completion (CCL) in Fashion Merchandising program is designed for students whose personal interests and needs can be met by concentration on a core program of Fashion Merchandising courses. A student completing this program develops competencies essential for success in a variety of occupations including retail buying, management, store planning, visual display, and wholesale merchandising. An Associate in Applied Science (AAS) degree is also available.

Program Notes:

+Indicates course has prerequisites and/or corequisites.

++indicates any modules.

Students must earn a grade of "C" or better in all courses required within the program.

Admission Criteria: None.

Program Prerequisites: None.

Required Courses: Credits: ~~32~~ 34

— BPC/CIS114AE	Excel: Level I (1) OR	
+ BPC/CIS114BE	Excel: Level II (1) OR	
+ BPC/CIS114CE	Excel: Level III (1)	1
BPC110	Computer Usage and Applications	3
MGT229	Management and Leadership I	3
MGT251	Human Relations in Business	3
+ MGT259	Management Seminar	1
+ MGT260AA	Management Internship	3
MKT109	Introduction to Fashion Merchandising	3
MKT151	Display and Visual Merchandising	3
MKT/TEC200	Retail Buying	3
MKT263	Advertising Principles	3
MKT267	Principles of Salesmanship	3
MKT271	Principles of Marketing	3
TEC105	Cultural Aspects of Clothing (3) OR	
TEC106	History of Fashion (3) OR	3
— TEC222	Textiles (3)	

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: CCL
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: 2.0

Program Title: Fashion Merchandising
 Initiating College: PC
 Program Availability: College Specific
 Total Credits: 35-38

Major Code: 5266
 Initiator: Brenda Maynard/Leslie Bush

CIPS Code: 52.14.01
 Instructional Council Receiving Proposal: Business/Management (03)

(CCL in Fashion Merchandising continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Total Program Credits To: 37- 40

Restricted Electives: Credits: 3-6

Students should select from the following courses in consultation with a department advisor:

— GBS205	Legal, Ethical, and Regulatory Issues in Business	3
+ INT+++++	Any INT Course	3
MGT/BTO148	Office Ethics and Culture	2
+ MGT230	Management and Leadership II	3
MGT253	Owning and Operating a Small Business	3
MGT276	Personnel/Human Resource Management	3
+ MKT/TEC274AC	Fashion Merchandising Study Tour	3
SPA101	Elementary Spanish I (4) OR	
SPA115	Beginning Spanish Conversation I (3)	3-4
TEC+++++	Any TEC Textiles and Clothing prefixed course not listed under the Required Courses area.	3

Free Electives: None.

General Education: None.

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCC D GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Advanced Professional Culinary Arts
Award Type: AAS	Initiating College: SCC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.00	Total Credits: 60

Major Code: 3045	CIPS Code: 12.05.03
Initiator: Karen Chalmers	Instructional Council Receiving Proposal: Hospitality (58)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Associate in Applied Science (AAS) in Advanced Professional Culinary Arts provides a comprehensive, hands-on course of study. It is designed to enhance and refine the skills of graduates from basic culinary arts certificate programs and to provide skills to advance the careers of current employees in the culinary industry. Instruction emphasizes specialized techniques in preparation and use of meats, seafoods, poultry and game, including production of stocks, sauces and butchering. Professional baking and pastry courses cover preparation of base products, sauces, breads and rolls, pastries, pies, cakes and decorative and design work with chocolate and sugar. Advanced garde manger instruction is provided in creating complex salads, sandwiches, appetizers and hors d'oeuvres. Professional kitchen management instruction provides essential principles to build proficiency in leadership and organizational skills.

Program Notes:

Students must earn a grade of "C" or better in all courses within the program.

+ indicates course has prerequisite and/or corequisites

++ indicates any module

Admission Criteria: None

Program Prerequisites:

High School diploma or GED AND

A score of 37 or higher on the math portion of the ASSET Placement Test AND

A Certificate of Completion in Culinary Arts OR

Two years of work experience in a professional kitchen position OR

Permission of Program Director

Required Courses: Credits: 20

+ CUL235	Advanced Culinary Techniques I - Meats	2
+ CUL236	Advanced Culinary Techniques II - Seafood	2
+ CUL237	Advanced Culinary Techniques III - Game and Poultry	2
+ CUL245	Professional Kitchen Management Techniques	2
+ CUL255	Advanced Garde Manger I – Salads and Sandwiches	2
+ CUL256	Advanced Garde Manger II – Appetizers and Hors d'Oeuvres	2
+ CUL265	Professional Baking I – Base Products and Sauces	2
+ CUL266	Professional Baking II – Breads and Rolls	2
+ CUL267	Professional Baking III – Pastries, Pies and Cakes	2
+ CUL268	Professional Baking IV – Decorative and Design Work	2

Restricted Electives: Credits: 15

CUL110	Food Service Nutrition	2
CUL140	Culinary Principles and Kitchen Management I	3
CUL180	Food in History	3
CUL190	Catering Operations I	3
CUL210	Menu Planning and Facilities Design	2
CUL220	Food Service Nutrition	2
+ CUL240	Culinary Principles and Kitchen Management II	3
+ CUL296++	Cooperative Education (any module)	1-4
CUL298AC	Special Projects	3

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCC D GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Advanced Professional Culinary Arts
Award Type: AAS	Initiating College: SCC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.00	Total Credits: 60

Major Code: 3045	CIPS Code: 12.05.03
Initiator: Karen Chalmers	Instructional Council Receiving Proposal: Hospitality (58)

(AAS in Advanced Professional Culinary Arts continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

HRM110	Introduction to Hospitality and Tourism Management	3
+ HRM150	Hospitality and Tourism Information Systems I	3
HRM230	Beverage Management	3
HRM275	Restaurant Management	3
+ HRM280	Hospitality and Tourism Law	3
FRE+++++	Any French courses	1-4
HRM+++++	Any Hospitality and Tourism Management courses	1-3
ITA+++++	Any Italian courses	1-4
SPA+++++	Any Spanish courses	1-4

Free Electives: None

General Education: Credits: 25

CORE: Credits: 15

First-Year Composition

+ ENG101	First-Year Composition (3) OR	
+ ENG107	First-Year Composition for ESL (3) AND	
+ ENG102	First-Year Composition (3) OR	
+ ENG108	First-Year Composition for ESL (3)	6

Oral Communication

Any approved general education course from the Oral Communication area	3
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Critical Reading

+ CRE101	Critical and Evaluative Reading I (3) OR equivalent as indicated by assessment	3
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Mathematics

+ Any approved general education course from the Mathematics area	3
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DISTRIBUTION: Credits: 10

Humanities and Fine Arts

Any approved general education course from the Humanities and Fine Arts area	3
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Natural Sciences

Any approved general education course from the Natural Sciences area	4
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Social and Behavioral Sciences

Any approved general education course from the Social and Behavioral Sciences area	3
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ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: OPM	Program Title: Culinary Fundamentals
Award Type: AAS	Initiating College: SCC
Effective First Year Term: 2009 Fall	Program Availability: College Specific
Overall G.P.A.: 2.00	Total Credits: 60

Major Code: 3073	CIPS Code: 12.05.03
Initiator: Karen Chalmers	Instructional Council Receiving Proposal: Hospitality (58)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Associate in Applied Science (AAS) in Culinary Fundamentals is designed to equip students with basic skills in culinary arts. The program provides instruction in culinary concepts and terminology, kitchen safety and sanitation, equipment usage, basic nutritional guidelines, standard and metric measurements, food costing, and theory and practice in the production of culinary products. Courses emphasize fundamental cooking techniques and preparation methods for hot foods, breakfast items, salads, sandwiches, dressings, breads and pastries.

Program Notes:
 Students must earn a grade of "C" or better for all courses within the program.
 + indicates course has prerequisites and/or corequisites.
 ++ indicates any module.

Admission Criteria:None

Program Prerequisites:None

Required Courses: Credits: 16

CUL101	Culinary Fundamentals: Culinary Basics	4
CUL102	Culinary Fundamentals: Hot Foods	4
CUL103	Culinary Fundamentals: Breakfast and Garde Manger	4
CUL104	Culinary Fundamentals: Bakery and Pastry	4

Restricted Electives: Credits: 17-19

ACC+++++	Any ACC Accounting courses	1-3
CUL+++++	Any CUL prefixed course(s) except courses used to satisfy	1-4
	Required Courses	
FRE+++++	Any FRE French courses	1-4
HRM+++++	Any HRM Hospitality and Tourism Management courses	1-4
IBS+++++	Any IBS International Business courses	1-3
ITA+++++	Any ITA Italian courses	1-4
MGT+++++	Any MGT Business Management courses	1-3
MKT+++++	Any MKT Marketing courses	1-3
SBS+++++	Any SBS Small Business Management courses	1-3
SPA+++++	Any SPA Spanish courses	1-4

Free Electives:None

General Education: Credits: 25-27

Core: Credits: 15-17

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**AAS**
Effective First Year Term:**2009 Fall**
Overall G.P.A.:**2.00**

Program Title:**Culinary Fundamentals**
Initiating College:**SCC**
Program Availability:**College Specific**
Total Credits:**60**

Major Code:**3073**
Initiator:**Karen Chalmers**

CIPS Code:**12.05.03**
Instructional Council Receiving Proposal:**Hospitality (58)**

(AAS in Culinary Fundamentals continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

First-Year Composition

- + ENG101 First-Year Composition (3) OR
- + ENG107 First-Year Composition for ESL (3) AND
- + ENG102 First-Year Composition (3) OR
- + ENG108 First-Year Composition for ESL (3) 6

Oral Communication

- Any approved general education course in the Oral Communication area 3

Critical Reading

- + CRE101 Critical and Evaluative Reading I (3) OR
equivalent as indicated by assessment 3

Mathematics

- + Any approved general education course in the Mathematics area 3-5

Distribution: Credits: 10

Humanities and Fine Arts

- Any approved general education course in the Humanities and Fine Arts area 3

Natural Sciences

- Any approved general education course in the Natural Sciences area 4

Social and Behavioral Sciences

- Any approved general education course in the Social and Behavioral Sciences area 3

ATTACHMENT: OPM
OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPM**
Award Type:**AAS**
Effective First Year Term:**2009 Fall**
Overall G.P.A.: **2.00**

Program Title:**Culinary Arts**
Initiating College:**SCC**
Program Availability:**College Specific**
Total Credits: **65-67**

Major Code:**3564**
Initiator:**Karen Chalmers**

CIPS Code:**12.05.03**
Instructional Council Receiving Proposal:**Hospitality (58)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Description: The Culinary Arts program is designed to train students who wish to become professional chefs and cooks. It offers the option of a Certificate of Completion (CCL) or an Associate in Applied Science (AAS) degree in Culinary Arts. The program requires 35 hours per week in direct class participation. Students rotate through all areas of food preparation at lunch and also at dinner. A casual lunch dining room is operated in the first semester and a formal dining room is operated in the evening by the second semester students, providing practical work experience to enhance the lab experience.

Program Notes:

Students must earn a grade of "C" or better in all courses within the program.

+ indicates course has prerequisite and/or corequisites.

++ indicates any module.

Admission Criteria: Formal application and admission to the program is required. A special fee of \$475.00 is required each semester in addition to the regular tuition fees. Placement into 100-level English, reading and math classes on the ASSET test or completion of equivalent coursework.

Program Prerequisites:None

Required Courses: Credits: 34

CUL115	Food Service Sanitation, Safety and Stewarding	2
CUL120	Food Costing, Purchasing and Inventory Control	2
+ CUL130	Hot Foods I	3
CUL140	Culinary Principles and Kitchen Management I	3
+ CUL150	Garde Manger I	2
+ CUL160	Bakery and Pastry Production I	3
+ CUL170	Dining Room Operations I	2
CUL210	Menu Planning and Facilities Design	2
CUL220	Food Service Nutrition	2
+ CUL230	Hot Foods II	3
+ CUL240	Culinary Principles and Kitchen Management II	3
+ CUL250	Garde Manger II	2
+ CUL260	Bakery and Pastry Production II	2
+ CUL270	Dining Room Operations II	3

Restricted Electives: Credits: 6

CUL180	Food in History	3
CUL190	Catering Operations I	3
+ CUL235	Advanced Culinary Techniques I – Meats	2
+ CUL236	Advanced Culinary Techniques II – Seafood	2
+ CUL237	Advanced Culinary Techniques III – Game and Poultry	2
+ CUL245	Professional Kitchen Management Techniques	2
+ CUL255	Advanced Garde Manger I – Salads and Sandwiches	2
+ CUL256	Advanced Garde Manger II – Appetizers and Hors d'Oeuvres	2
+ CUL265	Professional Baking I – Base Products and Sauces	2
+ CUL266	Professional Baking II – Breads and Rolls	2
+ CUL267	Professional Baking III – Pastries, Pies and Cakes	2
+ CUL268	Professional Baking IV – Decorative and Design Work	2

ATTACHMENT: OPM
 OCCUPATIONAL PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
 MCCCDC GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **OPM**
 Award Type: **AAS**
 Effective First Year Term: **2009 Fall**
 Overall G.P.A.: **2.00**

Program Title: **Culinary Arts**
 Initiating College: **SCC**
 Program Availability: **College Specific**
 Total Credits: **65-67**

Major Code: **3564**
 Initiator: **Karen Chalmers**

CIPS Code: **12.05.03**
 Instructional Council Receiving Proposal: **Hospitality (58)**

(AAS in Culinary Arts continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

+ CUL296++	Cooperative Education (any module)	1-4
+ CUL298++	Special Projects (any module)	1-3
HRM110	Introduction to Hospitality and Tourism Management	3
+ HRM150	Hospitality and Tourism Information Systems I	3
HRM230	Beverage Management	3
HRM275	Restaurant Management	3
+ HRM280	Hospitality and Tourism Law	3
FRE+++++	Any FRE French courses	1-4
HRM+++++	Any HRM Hospitality and Tourism Management courses	1-3
ITA+++++	Any ITA Italian courses	1-4
SPA+++++	Any SPA Spanish courses	1-4

Free Electives: None

General Education: Credits: 25-27

CORE: Credits: 15-17

First-Year Composition

+ ENG101	First-Year Composition (3) OR	
+ ENG107	First-Year Composition for ESL (3) AND	
+ ENG102	First-Year Composition (3) OR	
+ ENG108	First-Year Composition for ESL (3)	6

Oral Communication

Any approved general education course from the Oral Communication area 3

Critical Reading

+ CRE101	Critical and Evaluative Reading I (3) or equivalent as indicated by assessment	3
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Mathematics

+ Any approved general education course from the Mathematics area	3-5
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Distribution: Credits: 10

Humanities and Fine Arts

Any approved general education course from the Humanities and Fine Arts area 3

Natural Sciences

Any approved general education course from the Natural Sciences area 4

Social and Behavioral Sciences

Any approved general education course from the Social and Behavioral Sciences area 3

ATTACHMENT: OPD
OCCUPATIONAL PROGRAM DELETIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPD**
Award Type:**CCL**
Effective First Year Term:**2003 Fall**
Effective Last Year Term:**2009 Spring**
Overall G.P.A.:**2.00**

Program Title:**Construction Drafting I**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits:**15**

Major Code:**5519**
Initiator: **Mehrzad Khorsandi**

CIPS Code:**15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

Rationale: **Demand for program has diminished and content addressed through other new programs are in place.**

ATTACHMENT: OPD
OCCUPATIONAL PROGRAM DELETIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPD**
Award Type:**CCL**
Effective First Year Term:**2003 Fall**
Effective Last Year Term:**2009 Spring**
Overall G.P.A.:**2.00**

Program Title:**Construction Drafting II**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits:**27**

Major Code:**5523**
Initiator: **Mehrzaad Khorsandi**

CIPS Code:**15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

Rationale: **Demand for program has diminished and content addressed through other new programs are in place.**

ATTACHMENT: OPD
OCCUPATIONAL PROGRAM DELETIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type:**OPD**
Award Type:**CCL**
Effective First Year Term:**2003 Fall**
Effective Last Year Term:**2009 Spring**
Overall G.P.A.:**2.00**

Program Title:**Construction Drafting III**
Initiating College:**MCC**
Program Availability:**College Specific**
Total Credits:**36**

Major Code:**5527**
Initiator: **Mehrzad Khorsandi**

CIPS Code:**15.13.03**
Instructional Council Receiving Proposal:**Drafting (24)**

Rationale: **Demand for program has diminished and content addressed through other new programs are in place.**

ATTACHMENT: APM
ACADEMIC PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: APM	Program Title: Creative Writing
Award Type: AC	Initiating College: PC
Effective First Year Term: 2009 Summer I	Program Availability: College Specific
Overall G.P.A.: 2.0	Total Credits: 24
Major Code: 5242	CIPS Code: 23.05.01
Initiator: Lisa Miller	Instructional Council Receiving Proposal: English (28)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Program Availability To: AC/6224: Shared by: CGCC, GC, MC, PC=Primary, RSC

Description: ~~This program~~ **The Academic Certificate (AC) in Creative Writing** is designed to provide students and professional writers with access to a community of writers and creative writing activities, instruction and guidance from established authors, and ongoing support in improving their writing skills and marketing their work. As students take courses in the program, they will build a portfolio of original work that may be used to seek admittance to a bachelor's or master's level creative writing program or that may include work to be submitted for publication. The program offers classes, workshops, and other activities such as readings and contests, which are accessible to writers of all levels regardless of academic or professional standing. The program serves many students, especially women, minorities, seniors, and working adults, who are under-represented in traditional creative writing programs because of cultural, dialect or language differences, scheduling difficulties, financial need, or lack of academic experience. Completion of the certificate does not lead to a particular degree program, but may aid students in their pursuit of a career in the writing professions and in their continued enjoyment of writing for personal growth.

Program Notes:

Students must earn a grade of "C" or better for all courses required within the program
 + indicates course has prerequisites and/or corequisites.
 ++ indicates any module.

Admission Criteria: Students wishing to enroll in the Creative Writing program must complete a formal application; contact Program Director.

Program Prerequisites: None

Required Courses: Credits: 21

ENG210 may be substituted for CRW150 with permission of Program Director.

CRW150	Introduction to Creative Writing (3) OR	
CRW155	Bilingual Creative Writing (3)	3
CRW200 must be repeated for a total of two (2) credits.		
+ CRW200	Readings for Writers (1)	2
+ CRW201	Portfolio	1

Students must complete six (6) credits from Series I and nine (9) credits from Series II in consultation with a Program Director.

Series I:

Students must complete two (2) of the following courses for a total of six (6) credits.

CRW120	Introduction to Writing Children's Literature	3
CRW160	Introduction to Writing Poetry	3
CRW170	Introduction to Writing Fiction	3
CRW180	Introduction to Writing Nonfiction	3
CRW190	Introduction to Screenwriting	3
THE118	Playwriting	3

ATTACHMENT: APM
ACADEMIC PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: APM	Program Title: Creative Writing
Award Type: AC	Initiating College: PC
Effective First Year Term: 2009 Summer I	Program Availability: College Specific
Overall G.P.A.: 2.0	Total Credits: 24
Major Code: 5242	CIPS Code: 23.05.01
Initiator: Lisa Miller	Instructional Council Receiving Proposal: English (28)

(AC in Creative Writing continued)

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Program Availability To: AC/6224: Shared by: CGCC, GC, MC, PC=Primary, RSC

Series II:

Students must complete three (3) of the following courses for a total of nine (9) credits.

+ CRW202	The Writer as Witness	3
+ CRW203	Dialogue	3
+ CRW204	Journaling	3
+ CRW275	Writing the Mystery Story	3
+ CRW220	Intermediate Writing Children's Literature	3
+ CRW261	Topics in Writing: Poetry	3
+ CRW270	Intermediate Fiction Writing	3
+ CRW271	Topics in Writing: Fiction	3
+ CRW272	Planning and Structuring the Novel	3
+ CRW273	Writing the Novel	3
+ CRW274	Revising the Novel	3
+ CRW281	Topics in Writing: Non-Fiction	3
+ CRW290	Intermediate Screenwriting	3
+ CRW291	Topics in Writing: Plays	3

Restricted Electives: Credits: 3

THP/COM243	Interpreter's Theatre	3
+ CRW+++++	Any Creative Writing (CRW) course(s) except courses used to satisfy the Required Courses area Any CRW Creative Writing prefixed course not listed under Required Courses area.	1-3
+ ENG217	Personal and Exploratory Writing	3
+ ENG219	Life Stories	3
ENG235	Magazine Article Writing	3
+ ENG236	Magazine Writer's Workshop	3
ENG/THE260	Film Analysis	3
+ ENH+++++	Any ENH English Humanities (ENH) prefixed course	3
THE/HUM210	Contemporary Cinema	3
+ THE220	Modern Drama	3
+ THP/COM241	Performance of Literature Introduction to Oral Interpretation	3

Free Electives: None

General Education: None

ATTACHMENT: APM
ACADEMIC PROGRAM MODIFICATIONS: MARICOPA COMMUNITY COLLEGES
MCCCD GOVERNING BOARD DATE: 3/24/09

Proposal Development Type: **APM** Program Title: **Sustainability and Ecological Literacy**
Award Type: **AC** Initiating College: **RSC**
Effective First Year Term: **2009 Summer I** Program Availability: **College Specific**
Overall G.P.A.: **2.00** Total Credits: **16**

Major Code: **6229** CIPS Code: **03.01.04**
Initiator: **Tom Lombardo** Instructional Council: **Philosophy (80)**

PROPOSED: (Bold text=additions. Strike throughs = deletions)

Proposed Program Availability To: AAS/6232: Shared by: CGCC, RSC

Description: The interdisciplinary Academic Certificate (AC) in Sustainability and Ecological Literacy enhances students' understanding of sustainable living practices associated with economics, equity and the environment. Through a combination of coursework and experiential learning, students engage in critical thinking, inquiry, and discourse, skills necessary for becoming socially responsible citizens who are ecologically and environmentally aware. The certificate is designed for, although not limited to, students seeking an Associate in Arts Degree and planning transfer to four-year colleges and universities.

Program Notes:

+ indicates course has prerequisites and/or corequisites.

Students must earn a grade of "C" or better in all courses within the program.

Admission Criteria: None

Program Prerequisites: Credit: 3

+ ENG101	First Year Composition (3) OR	
+ ENG107	First Year Composition for ESL (3)	3

Required Courses: Credit: 7

+ PHI216	Environmental Ethics	3
BIO105	Environmental Biology (4) OR	
GLG110	Geological Disasters and the Environment (3) AND	
GLG111	Geological Disasters and the Environment Lab (1)	4

Humanities, Social Science and Wellness: Credit: 9

Students will choose 2 different courses from the following list:

+ ECN263	The Economics of Natural Resources, Population and the Environment (3)	
ENH206	Nature and Environmental Literature (3)	
ENH260	Literature of the Southwest (3)	
HUM201	Humanities: Universal Themes (3)	
REC150AB	Outdoor Adventure Skills (3)	
SBU200	Society and Business (3)	6

Students will choose 1 course from the following list:

HIS110	World History to 1500 (3)	
HIS111	World History 1500 to the Present (3)	
+ HUM250	Ideas and Values in the Humanities (3)	
PHI104	World Philosophy (3)	
POS120	World Politics (3)	
PSY132	Psychology and Culture (3)	
SOC101	Introduction to Sociology (3)	3

Restricted Electives: None.

Free Electives: None.

General Education: None.