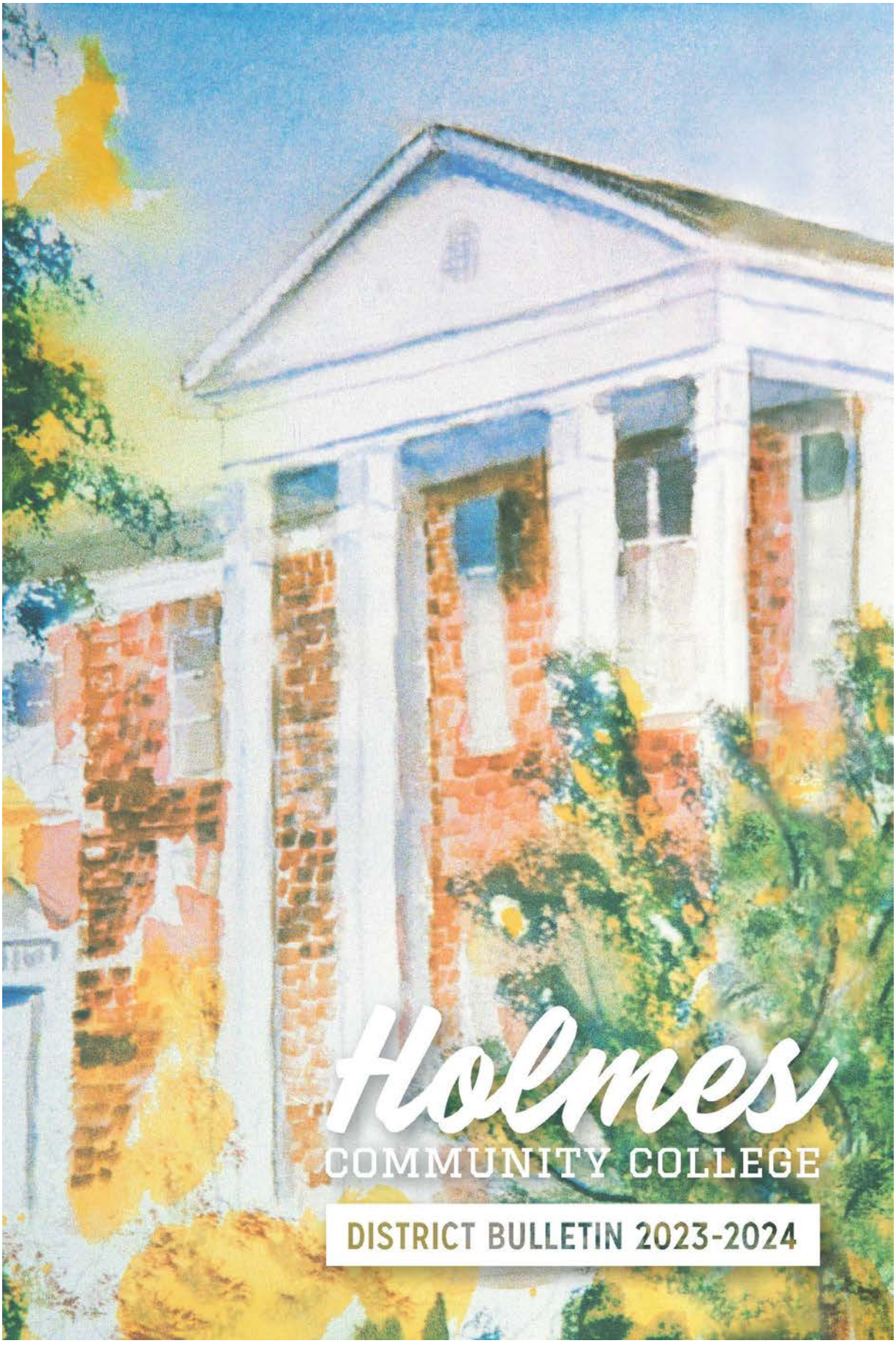

Amendment Number V to the 2023-2024 HCC Bulletin

Effective Summer 2024

HCC Bulletin Page 21

Delete ENG 0114, Revise Scores for ENG 0124

Course Recommendation	***ACT English Sub-Score***	***ACCUPLACER Next Gen English Score***
ENG 0124 – Int. Eng. & Read	**N/A**	**N/A**
ENG 1113 – Eng. Comp. I	**17 - 36**	**502 - 600**
Literatures	**23 - 36**	**550 - 600**

HCC Bulletin Page 131

Delete Pre-Athletic Training Pathway, Add Sports Medicine Pathway

Kinesiology Pathway	Exercise Science/Kinesiology
	Sport Management/Administration
	Sports Medicine

HCC Bulletin Page 187

Delete Pre-Athletic Training Pathway, Add Sports Medicine Pathway

Kinesiology Pathway
Exercise Science/Kinesiology
Sport Management/Administration
Sports Medicine

HCC Bulletin Page 189

Delete Pre-Athletic Training Pathway

Kinesiology Pathway

Sports Medicine

First Year

First Semester		Second Semester	
English Composition I	ENG 1113	English Composition II	ENG 1123
College Algebra	MAT 1313	Trigonometry	MAT 1323
General Psychology	PSY 1513	Public Speaking I	SPT/COM 1113
General Biology I	BIO 1134	Nutrition	BIO 1613
General Chemistry I	CHE 1214	Intro to Sociology	SOC 2113
Total	17 hrs.	Total	15 hrs.

Second Year

First Semester		Second Semester	
Anatomy& Physiology I	BIO 2514	Anatomy & Physiology II	BIO 2524
General Physics I	PHY 2414	Med Term for Health Prof	BIO 1813
First Aid & CPR	HPR 2213	Intro to Athletic Training	HPR 2733
*History Elective	3	*Fine Arts Elective	3
		*Humanities Elective	3
Total	**14 hrs.	Total	16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin Page 278

Revise Prerequisite for BIO 1134

BIO 1134 – General Biology I (Prerequisite: MAT 0124 or higher or placement score for MAT 1233 or higher).
A combined lecture and laboratory course for science majors that covers the major themes of biology, the scientific method, chemistry relevant to biological systems, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics. Three hours lecture. Two hours laboratory. Four hours credit.

HCC Bulletin Page 288

Delete ENG 0114

HCC Bulletin Page 288

Remove Prerequisites for ENG 0124 and ENG 1033

ENG 0124 – Intermediate English and Reading.
This integrated course is designed to advance students to college-level writing skills and reading strategies. Institutional credit only. Four hours lecture. Four hours credit. (Not designed to transfer).

ENG 1033 – Technical English.
This course is designed specifically for Career Tech students. In this course, students will focus on writing for business and industry and will produce technical documents, which may include resumes, letters, emails, memos/reports, proposals, multimedia presentations, and other related documents. Three hours lecture. Three hours credit. (Not designed to transfer).

Effective Fall 2024

HCC Bulletin Page 106 — Revise Skills Scholarship

SkillsUSA/HOSA/TSA Scholarships: Scholarships may be awarded to 1st place district and/or state SkillsUSA/HOSA/TSA contest winners in specific Career Technical areas of individual competition or in team competition that is discipline-specific. These scholarships are valid for Holmes Career Technical programs that participate in SkillsUSA on their campus. Recipients must enter the Holmes CTE program within 15 months of their high school graduation date. Recipients who maintain a 2.5 cumulative quality point average may receive the award for four consecutive semesters. Current Holmes CTE students who win 1st place in district and/or state SkillsUSA individual competition may receive the scholarship for the remaining required semesters of program enrollment, including summer semester for certain programs, for a maximum of three consecutive semesters if they maintain a 2.5 cumulative quality point average. The award, equal to the amount of full tuition per semester, may be applied to tuition, room and board, or any other expenses incurred by a full-time student. Students eligible for the SkillsUSA/HOSA/TSA scholarship are also eligible for other scholarships, such as athletics, music, drama, valedictorian/salutatorian awards, etc. up to but not exceeding the published cost of attending HCC. The deadline for submitting applications is May 1.

HCC Bulletin Page 195 — Add PSY 2223 to list of Suggested Courses for Social/Behavioral Science Elective Options for Psychology Pathway

***Suggested Social/Behavioral Science Elective Options:
GEO 1113 – World Regional Geography
PHI 2113 – Introduction to Philosophy I
PSY 2223 – Perspectives on Child Maltreatment and Child Advocacy
PSY/EPY 2513 – Child Psychology
PSY/EPY 2523 – Adolescent Psychology
PSY/EPY 2533 – Human Growth and Development
SOC 2133 – Social Problems
SOC 2143 – Marriage and Family

HCC Bulletin Page 196 — Add PSY 2223 to list of Suggested Courses for Social/Behavioral Science Elective Options for Social Work/Sociology Pathway

***Suggested Social/Behavioral Science Elective Options:
ECO 2113 Principles of Macroeconomics
ECO 2123 Principles of Microeconomics
HPR 1213 Personal and Community Health (recommended for Social Work Program of Study)
PHI 2113 Introduction to Philosophy I
PSC 1113 American National Government (recommended for Social Work Program of Study)
PSY 2223 Perspectives on Child Maltreatment and Child Advocacy
PSY/EPY 2533 Human Growth and Development
SOC 2143 Marriage and Family
SWK 1113 Social Work: A Helping Profession (recommended for Social Work Program of Study)

HCC Page 211

Add Mechatronics Engineering Technology, Hotel and Restaurant Management Technology, and Medical Legal Assistant Technology

Industrial Studies Pathway
Automotive Technology
Collision Repair Technology
Engineering Technology:
Architectural Engineering Technology
Construction Technology
Drafting & Design Technology
Industrial Engineering Management Technology
Industrial Technology
Interior Design Technology
Heating/Vent/AC/Refrigeration Technology
Industrial Mechanics and Maintenance Technology:
Electro-Mechanical Technology
Industrial Maintenance Technology
Mechatronics Engineering Technology
Precision Machining Technology
Welding & Cutting Technology
Professional Studies Pathway
Business Technology:
Accounting Technology
Administrative Office Technology
Billing & Coding Technology
Business Management Technology
Medical Office Technology
Conservation Law Enforcement Technology
Cosmetology
Criminal Justice Administration Technology
Forest Technology
Hospitality and Tourism
Culinary Arts Technology
Hotel and Restaurant Management Technology
Information Systems Technology:
Computer Networking Technology
Computer Programming
Paralegal Technology:
Legal Assistant Technology
Legal Management Technology
Medical Legal Assistant Technology

HCC Bulletin Page 217-218 **Revise the following sections for Associate Degree Nursing Program**

ASSOCIATE DEGREE NURSING ADMISSION POLICY

The Associate Degree Nursing Program is a two-year program designed to provide educational opportunities to qualified students for a career in nursing. The program responds to the expanding health care needs of the community. The curriculum includes a balance of general education, nursing theory, and laboratory/clinical experience. Graduates receive an Associate of Applied Science degree (AAS). Graduates that meet the requirements of the State Board of Nursing are eligible to write the National Council Licensure Examination for Registered Nurses. The Associate Degree Nursing Program is accredited by the Board of Trustees of State Institutions of Higher Learning of Mississippi (www.ihl.state.ms.us) and the Accreditation Commission for Education in Nursing (ACEN). The Accreditation Commission for Education in Nursing can be contacted at 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326 (www.acenursing.org), Phone: 404-975-5000, Fax: 404-975-5020 for specific program information.

Students who are accepted, but who have not had the following courses BIO 2514 – Anatomy and Physiology I, BIO 2524 – Anatomy and Physiology II, BIO 2924 – Microbiology, FCS 1253/BIO 1613 – Nutrition, must take and successfully pass these courses with at least a grade of 'C' before beginning nursing courses.

Nursing students must meet the same general admission requirements as those required for all applicants to Holmes Community College. In addition, they must meet the requirement outlined below:

A student must have an ACT composite score of 15 if taken before October, 1989, or 18 if taken in October, 1989, or after. In order to apply to the Associate Degree Nursing program, the student must have a 2.0 grade point average based on program prerequisites and/or co-requisites.

The applicant must have an 18 or higher composite on the ACT. The number of students admitted is based on the number of nursing faculty. Standards for Accreditation of Schools of Nursing for the State of Mississippi require that total enrollment be limited to a maximum of fifteen students for each full-time or equivalent qualified nursing faculty member and that the student-faculty ratio in the clinical area be no more than ten to one.

Selection is academically competitive based on the Health Science point scale.

HCC Bulletin Page 228 **Revise following section for Health Care Assistant Program**

Health Science Programs Pathway
Health Care Assistant Program

Semester One

Basic Health Care Assisting	HCA 1116
Special Care Procedures	HCA 1124
Body Structure and Function	HCA 1214
Phlebotomy	HCA 1132
Total	16 hours

A Career Certificate may be earned at this point.

The **Health Care Assistant Program** prepares individuals to assist in providing health care as a member of the health care team under the direction of a health care professional. Students who complete the program may qualify for employment as Homemakers, Nurse Assistants, Long-term Care Aides, or Home Health Aides in the Mississippi health care industry. This program will continue to create a pathway for students to enter the Health Science field at many different levels.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin Page 230 **Revise the following sections for Massage Therapy Program**

Massage Therapy Program
Admission Policy

In addition to the minimum educational/achievement requirements for admission for initial entry into Holmes Community College, Massage Therapy students will also be required to meet the following additional requirements in order to seek application to the program:

1. The applicant must have a high school diploma or a GED certificate and provide official transcripts from all schools/colleges previously attended.
2. While college credit is not required for application to the program, applicants should provide a transcript from any regionally accredited school to determine if some classes meet the prerequisite and/or co-requisite of the program.
3. The applicant must be 18 years of age or older in order to apply to the program.
4. Applicants must have a minimum composite score of 12 on the ACT if taken prior to October 1989 or a minimum composite score of 16 if taken in October 1989 or after.
5. After notification of acceptance, the student will be required to pass a physical examination, a Healthcare Criminal Background Check, and a drug screening prior to beginning the program.

HCC Bulletin Page 232-234 **Revise the following sections for Occupational Therapy Assistant Program**

Program Accreditation Status

The Holmes Community College Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at:

American Occupational Therapy Association
6116 Executive Boulevard, Suite 200
North Bethesda, MD 20852-4929

Phone Number: 301-652-6611 x2914 *Website:* www.acoteonline.org

Requirements for the Associate of Applied Science Degree (AAS) Occupational Therapy Assistant Technology Program

The student will complete the prescribed set of courses for the Occupational Therapy Assistant Technology Program as identified in the program course sequence and course descriptions. The student's program grade point average must be at least a 2.0 to receive the AAS Degree.

Occupational Therapy Assistant Technology Program
Admissions Policy

1. A student planning to enter the Occupational Therapy Assistant Technology Program at Holmes Community College must complete an HCC web-based Admissions Application.
2. Applicants must have a minimum composite score of 12 on the ACT if taken prior to October 1989 or a minimum composite score of 16 if taken on or after October 1989.
3. Applicants must have a minimum cumulative GPA of 2.0 to be considered for selection. Applicants must have a 2.0 GPA based on program prerequisites and/or co-requisites.
4. Completion of both Anatomy & Physiology I & II (BIO 2514/2524) with a minimum grade of C in lab and lecture portion of the courses is a pre-requisite for beginning the program.
5. After acceptance in the program, OTA students must provide documentation of the following: complete physical exam, TB skin test record, initiation of Hepatitis B vaccination series or declination form, drug screen. Students must also pass a criminal background check. Students are responsible for fees associated with these requirements.

6. Acceptance into the Occupational Therapy Assistant Technology Program at Holmes Community College, Ridgeland Campus, is academically competitive and selective based on the Health Science Application point scale. The ACT score considered is the composite score.
7. A felony conviction may impede one's placement for fieldwork and/or eligibility for certification and credentialing.

HCC Bulletin Page 236-237 **Revise the following sections for Physical Therapist Assistant Program**

Physical Therapist Assistant Program

Please note that BOT 1613-Medical Terminology I, BOT 1623-Medical Terminology II, BIO 1813 Medical Terminology for Health Professions, MAT 1313-College Algebra, and ENG 1123-English Composition II will count toward class selection if a final grade of C or higher is submitted by the deadline for program application. The medical terminology courses, College Algebra, and English Composition II are not program pre-requisites and are not required to receive the AAS degree.

The PTA Program Accreditation Status

The Physical Therapist Assistant Program at Holmes Community College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave., Suite 100, Alexandra, VA 22305-3085; Telephone: 703-706-3245; Email: Accreditation@apta.org; Website: www.capteonline.org. If needing to contact the program/institution directly, please call 662-227-2379 or email myking@holmescc.edu.

Requirements for the Associate of Applied Science Degree (AAS)

The student must complete the Physical Therapist Assistant Program with a minimum program grade point average of 2.0 on the prescribed coursework to receive the AAS.

Physical Therapist Assistant Application & Admission

The Holmes Community College Physical Therapist Assistant Program in Grenada will accept one class per year in the spring semester on a competitive, selective basis.

The applicant must first meet the same general admission requirements as those required for all applicants to Holmes Community College. Prior to actually applying for the Physical Therapist Assistant (PTA) program, a student must meet the following admissions requirements:

- Submit a completed application for admission to Holmes Community College.
- Have official verification of a minimum ACT score of 12 if taken before October 1989 or 16 if taken on or after October 1989 on file with the Office of Admissions & Records at Holmes Community College.

Once the student meets the above requirements, he/she should follow the instructions on the web for accessing and completing the PTA application. Requirements for applying to the PTA program that must be met by the posted deadline are the following:

- Complete the PTA application.
- Provide official documentation of a high school diploma or a GED certificate to the Holmes Office of Admissions & Records.
- Provide official transcripts from all schools and/or colleges attended to the Holmes Office of Admissions & Records.

Please note that although college credit is not required for application to the program, applicants with any college credit must have a minimum cumulative grade point average of 2.0 to be considered for the program.

Acceptance into the program is academically competitive and selective based on the Holmes Health Science point scale.

After notification of class acceptance, the student will be required to provide documentation of the following prior to the start of the program:

1. passage of a physical examination per Health Examination Report (form to be provided by instructor)*
2. current certification of CPR Healthcare Provider C*
3. passage of a healthcare criminal background check*
4. passage of a drug screening*
5. current and complete immunization record*
6. receipt and understanding of the minimum technical standards for PTA

7. receipt and understanding of the standards for program progression and graduation, attendance, etc. as detailed in the student handbook

*The student will be responsible for fees or costs associated with these requirements. Information concerning these requirements will be provided after class selection and/or during the mandatory orientation session. The student handbook will be provided during the mandatory orientation session.

Please note that because a criminal conviction may prohibit a student from participating in clinicals and/or taking the required national licensure exam after graduation to practice as a PTA, a felony conviction or disqualifying event on the background check arranged by the PTA staff will likely disqualify the applicant from gaining program entry.

HCC Bulletin Page 240, 242

Revise the following sections for the Practical Nursing Program and Delete LPN Preparation section

The **Practical Nursing Program** prepares the individual to assist in providing general nursing care requiring basic knowledge of the biological, physical, behavioral, psychological, and sociological sciences; and of nursing procedures which do not require the skills, judgment, and knowledge required of a registered nurse. This care is performed under the direction of a registered nurse, advanced practice registered nurse (APRN), licensed physician, or dentist.

Graduates of the Practical Nursing program will be awarded the Certificate of Practical Nursing and may apply to the Mississippi Board of Nursing to take the National Council Licensure Examination PN (NCLEX-PN®) for licensure.

Successful completion of any semester of study must include 78% mastery of each subject in order to progress to the next semester. In addition, graduation requirements include completion of the prescribed clock hours for the program as mandated by the Mississippi Board of Nursing. Legal limitations for licensure are mandated by the Mississippi Board of Nursing. For re-admission to the Practical Nursing Program, please refer to the Practical Nursing Handbook or the web page.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Practical Nursing Program
Admission Policy

Admission requirements to be met **before** a student is considered for selection are (1 - 3 below):

1. The applicant must have a high school diploma or a GED certificate and provide official transcripts from all schools/colleges previously attended.
2. Applicants for the Full Time Day Track and the Evening and Weekend Track must have a minimum composite score of 12 on the ACT if taken prior to October 1989 or a minimum composite score of 16 if taken in October 1989 or after.
3. Applicants for the Hybrid Option must have a minimum composite score of 15 on the ACT if taken prior to October 1989 or a minimum composite score of 18 if taken in October 1989 or after.
4. The student must complete and pass with a C or higher the following prerequisites for admission into the PN program: Anatomy and Physiology I BIO 2514 and Medical Terminology I BOT 1613 or Medical Terminology for Health Professions BIO 1813.
5. After notification of acceptance, the student will be required to provide current certification in American Heart Association Basic Life Support CPR and to pass a physical examination, a Healthcare Criminal Background Check, and a drug screening prior to entering the program. Arrangements for these will be made by the PN Divison.

Health Science Programs Pathway
Surgical Technology Program

Students must complete and pass Anatomy & Physiology I BIO 2514, Anatomy & Physiology II BIO 2524, English Composition I ENG 1113 and General Psychology PSY 1513 or Introduction to Sociology SOC 2113 as prerequisites for admission into the Surgical Technology Program at Holmes Community College.

First Year

First Semester		Second Semester	
Fund/Surgical Tech	SUT 1113	Basic & Related Surgical Procedures	SUT 1518
Principles of Surgical Technique	SUT 1217	Specialized Surgical Procedures	SUT 1528
Surgical Microbiology	SUT 1413	Smart Start Pathway	SSP 1002
Medical Terminology I	BOT 1613	Humanities/Fine Arts	3
OR Med Term/Hlth Prof	BIO 1813		
College Algebra	MAT 1313		
OR Natural Science with Lab	4		
Total	19-20 hrs.	Total	21 hrs.

Third Semester

Advanced Surgical Procedures	SUT 1539
Work-Based Learning I	WBL 1912
Total	11 hrs.

An AAS Degree may be earned at this point.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin Page 245 **Revise the following section for Surgical Technology Program**

Surgical Technology Program
Admission Policy

The Holmes Community College Surgical Technology Program accepts one class per year in the fall semester on a competitive, selective basis.

The applicant must first meet the same general admission requirements as those required for all applicants to Holmes Community College. Prior to actually applying for the Surgical Technology program, a student must meet the following admissions requirements:

- Submit a completed application for admission to Holmes Community College.
- Be at least 18 years of age at time of program start date.
- Have official verification of a minimum composite score of 12 on the ACT if taken prior to October 28, 1989, or a minimum composite score of 16 on the ACT if taken after October 28, 1989. ACT scores must be on file with the Office of Admissions & Records at Holmes Community College.

Once the student meets the above requirements, he/she should follow the instructions on the web for accessing and completing the Surgical Technology application. Requirements for applying to the Surgical Technology program that must be met by the posted deadline are the following:

- Complete the Surgical Technology Program application.
- Provide official documentation of a high school diploma or a
- GED certificate to the Holmes Office of Admissions & Records.

- Provide official transcripts from all schools and /or colleges attended to the Holmes Office of Admissions & Records. Please note that although college credit is not required for application to the program, applicants with any college credit must have a minimum cumulative grade point average of 2.0 to be considered for the program.

Selection for admission into the Surgical Technology Program is academically competitive based on the Health Science point scale.

After notification of class acceptance, the student will be required to provide documentation of the following prior the start of the program:

1. passage of a physical examination per Health Examination Report (form to be provided by instructor)*
2. current certification of CPR Healthcare Provider C*
3. passage of a healthcare criminal background check*
4. passage of a drug screening*
5. current and complete immunization record*

*The student will be responsible for fees or costs associated with these requirements. Information concerning these requirements will be provided after class selection and/or during the mandatory orientation session.

Add Mechatronics Engineering Technology Program

Industrial Studies Pathway
Automotive Technology
Collision Repair Technology
Engineering Technology:
Architectural Engineering Technology
Construction Technology
Drafting & Design Technology
Industrial Engineering Management Technology
Industrial Technology
Interior Design Technology
Heating/Vent/AC/Refrigeration Technology
Industrial Mechanics and Maintenance Technology
Electro-Mechanical Technology
Industrial Maintenance Technology
Mechatronics Engineering Technology
Precision Machining Technology
Welding & Cutting Technology

Revise Architectural Engineering Technology Program

Industrial Studies Pathway
Engineering Technology
Architectural Engineering Technology

First Year

First Semester			Second Semester	
Engineering Graphics	DDT 1163		Architectural Design I	DDT 1613
Const Standards/Materials	DDT 1213		CAD II	DDT 1323
CAD I	DDT 1313		3D Modeling	DDT 2373
Smart Start Pathway	SSP 1002		*Approved Technical Electives	6
*Approved Technical Electives	4			
Total	15 hrs.		Total	15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester			Second Semester	
Structural Detailing I	DDT 2213		English Composition I	ENG 1113
Cost Estimating	DDT 2243		English Composition II	ENG 1123
Architectural Design II	DDT 2623		OR Public Speaking I	SPT/COM 1113
*Approved Technical Electives	6		OR Social/Behavioral Science	3
			College Algebra	MAT 1313
			OR Natural Science w/Lab	4
			Humanities/Fine Arts Elective	3
			Social/Behavioral Science	3
Total	15 hrs.		Total	15/16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

The **Architectural Engineering Technology** program educates students in the process of producing design projects from schematics through construction. The program is designed to prepare its graduates for employment in architectural related firms, including architectural offices, design building firms, engineering firms, governmental agencies, real estate developers, planning offices, and architectural material suppliers and manufacturers. The program offers a Technical Certificate, an Advanced Technical Certificate, and AAS Degree in Architectural Engineering Technology. Graduates may have the option of transfer leading to a Bachelor of Science Degree (BS) in Architectural Engineering Technology.

*Approved Technical Electives: DDT 1173, 1183, 1413, 2153, 2253 2263, 2713, 2823, 291(1-3), ENT 1154, 1183, 1323, 2133, 2243, 2253, 2263, 2343, 2353, 2363, 2643, 2713, 291(1-3), Work-Based Learning

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin After Page 257 **Add Mechatronics Engineering Technology Program**

Industrial Studies Pathway
Mechatronics Engineering Technology

First Year

First Semester			Second Semester	
Manufacturing Skills Basic	MNT	1114	Prog Logic Controllers	MNT 1213
Indusrial Electricity	MNT	1123	Fluid Power	MNT 1224
Industrial Control Systems	MNT	1134	Electronic Motion Control	MNT 1233
Mechanical Power Trans I	MNT	1142	Mechanical Power Trans II	MNT 1242
*Approved Electives		3	Smart Start Pathway	SSP 1002
			*Approved Electives	3
Total		16 hrs.	Total	17 hrs.

A Technical Certificate may be earned at this point

Second Year

First Semester			Second Semester	
Mechatronics Program I	MNT	2114	English Composition I	ENG 1113
Fund of Instrumentation	MNT	2123	English Composition II	ENG 1123
Mech Trouble & Repair	MNT	2133	OR Public Speaking I	SPT/COM 1113
*Approved Electives		5	OR Social/Behavioral Science	3
			College Algebra	MAT 1313
			OR Natural Science w/Lab	4
			Humanities/Fine Arts	3
			Social/Behavioral Science	3
Total		15 hrs.	Total	15/16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Mechatronics Engineering Technology is an instructional program that prepares individuals for assembling, installing, and maintaining/repairing machinery used in the manufacturing or industrial environment as well as troubleshooting, repair, and programming of automated systems. Graduates are prepared to enter the job market as entry level technicians. Students receive training in mechatronics, robotics, process control, CNC/CAM, mechatronics troubleshooting, data acquisition and industrial communications programming.

*Approved Electives: MNT 1153, MNT 2214, MNT 2224, MNT 2234, MNT 2314, MNT 2324, MNT 2333, MNT 2344, MNT 2354, MNT 2364, MNT 2373, MNT 2384, WBL 191(1-3), 192(1-3). Any other technical or academic course approved by the advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Revised Precision Machining Technology Program

Industrial Studies Pathway
Precision Machining Technology

First Year

First Semester		Second Semester	
Power Machinery I	MST 1114	Power Machinery II	MST 1124
Machine Tool Math	MST 1313	Adv Blueprint Read	MST 1423
Blueprint Reading	MST 1413	CNC Operations I	MST 2714
Precision Layout	MST 1613	Smart Start Pathway	SSP 1002
*Approved Electives	3	*Approved Electives	3
Total	16 hrs.	Total	16 hrs.

A Technical Certificate may be earned at this point

Second Year

First Semester		Second Semester	
Power Machinery III	MST 2134	English Composition I	ENG 1113
Power Machinery IV	MST 2144	English Composition II	ENG 1123
CNC Operations II	MST 2724	OR Public Speaking I	SPT/COM 1113
*Approved Electives	3	OR Social/Behavioral Science	3
		College Algebra	MAT 1313
		OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	15 hrs.	Total	15/16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Precision Machining Technology is an instructional program that prepares individuals to manufacture precision parts on machines such as lathes, grinders, drill presses, milling machines, and Computer Numerical Control (CNC) equipment. Included is instruction in making computations related to work dimensions, testing, feeds and speeds of machines. In addition, individuals use precision measuring instruments such as layout tools, micrometers and gauges; machining and heat-treating various metals; and laying out machine parts. Also included is instruction in the operation and maintenance of computerized equipment.

*Approved Electives: MST 1213, 1223, 1233, 1243, 1252, 1263, 1623, 2513, 2523, 2533, 2542, 2552, 2733, 2813, 291(1-4), 292(1-6), WBL 191(1-3), 192(1-3). Any other technical or academic course approved by the advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin Page 260

Add Heading Hospitality and Tourism, Add Hotel and Restaurant Management Technology, Add Medical Legal Assistant Technology

Professional Studies Pathway
Business Technology:
Accounting Technology
Administrative Office Technology
Billing & Coding Technology
Business Management Technology
Medical Office Technology
Conservation Law Enforcement Technology
Cosmetology
Criminal Justice Administration Technology
Forest Technology
Hospitality and Tourism
Culinary Arts Technology
Hotel and Restaurant Management Technology
Information Systems Technology:
Computer Networking Technology
Computer Programming
Paralegal Technology
Legal Assistant Technology
Legal Management Technology
Medical Legal Assistant Technology

Revise Conservation Law Enforcement Technology

Professional Studies Pathway

Conservation Law Enforcement Technology

First Year

First Semester			Second Semester	
Intro/Criminal Justice	CRJ 1313		Criminology	CRJ 1383
English Composition I	ENG 1113		Silviculture I	FOT 2614
Applied Dendrology	FOT 1714		Special Problem	
Forest Surveying	FOT 2124		in Conservation Law	FOT 2944
*App Natural Science w/Lab		4	College Algebra	MAT 1313
			OR *Natural Science w/Lab	4
			Social/Behavioral Science	3
Total		18 hrs.	Total	17-18 hrs.

Second Year

First Semester			Second Semester	
Intro to Microsoft Office	BOT 1273		Applied Soil	
English Composition II	ENG 1123		Conservation	AGT 1714
OR Public Speaking I	SPT/COM 1113		Criminal Investigation	CRJ 2333
OR Social/Behavioral Science		3	Juvenile Justice	CRJ 2513
Apps GIS/GPS Forestry	FOT 2214		Timber Harvesting	FOT 2424
Intern for Specialization	FOT 2923		OR Forest Measure	FOT 1114
OR Work-Based Learn I	WBL 1913		Humanities/Fine Arts	3
Smart Start Pathway	SSP 1002			
Total		15 hrs.	Total	17 hrs.

An AAS Degree may be earned at this point.

*For those students wishing to continue to MSU, BIO 1314, and BIO 2414 will be needed.

Conservation Law Enforcement Technology is a two-year program of study that prepares the graduate for entry-level employment as a Conservation Law Enforcement Officer (game warden) in the state of Mississippi. The program blends technical courses in forestry and academic courses in criminal justice with other academic courses, including the core. The Associate of Applied Science degree is earned upon successful completion of the program.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Professional Studies Pathway
Hospitality and Tourism
Culinary Arts Technology

First Year

First Semester		Second Semester	
Culinary Principles I	CUT 1114	Culinary Principles II	CUT 1124
Principles of Baking	CUT 1135	Garde Manger	CUT 1513
Intro. to Culinary Arts	CUT 1153	Menu Planning	CUT 2223
Sanitation and Safety	CUT 1213	*Approved Technical Elective	7
Smart Start Pathway	SSP 1002		
Total	17 hrs.	Total	17 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester		Second Semester	
American Region. Cuisine	CUT 2314	English Composition I	ENG 1113
International Cuisine	CUT 2424	English Composition II	ENG 1123
*Approved Technical Electives	7	OR Public Speaking I	SPT/COM1113
		OR Social/Behavioral Science	3
		College Algebra	MAT 1313
		OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	15 hrs.	Total	15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Culinary Arts Technology program provides a solid foundation in the methods and science of cooking through exposure to classical American and international cuisine as well as the art of baking and pastries. Special emphasis is placed on culinary tools, equipment, techniques, and specialty ingredients. The heart of the Culinary Arts Technology program is hands-on lab instruction by a chef instructor in a commercial kitchen.

*Approved Technical Electives: BOT 1273, BOT 1313, BOT 1763, BOT 1823, BOT 2433, BPT 1224, BPT 1234, BPT 2334, CUT 1613, CUT 2243, CUT 2923, WBL 1913, WBL 1923, or other technical or academic elective approved by instructor/advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin After Page 269 **Add Hotel and Restaurant Management Technology Program**

Professional Studies Pathway
Hospitality and Tourism
Hotel and Restaurant Management Technology

First Year

First Semester			Second Semester		
Culinary Principles I	CUT 1114		Restaurant & Catering Op	HRT 1224	
Intro/Hospitality & Tourism	HRT 1123		Rooms Division Mgmt	HRT 1413	
Sanitation and Safety	HRT 1213		*Approved Technical Electives		9
Smart Start Pathway	SSP 1002				
*Approved Technical Electives		4			
Total		16 hrs.	Total		16 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester			Second Semester		
Hospitality Cost Control	HRT 2233		English Composition I	ENG 1113	
Hospitality Supervision	HRT 2613		English Composition I	ENG 1123	
Hospitality Hum Res Mgmt	HRT 2623		OR Public Speaking I	SPT/COM1113	
*Approved Technical Electives		6	OR Social/Behavioral Science		3
			College Algebra	MAT 1313	
			OR Natural Science w/Lab		4
			Humanities/Fine Arts		3
			Social/Behavioral Science		3
Total		15 hrs.	Total		15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point

Hotel and Restaurant Management Technology provides specialized career/technical instruction in all phases of hotel and restaurant management to prepare students for careers in the hospitality and tourism industry. Students completing this program will be eligible to obtain ServSafe® Sanitation certification from the National Restaurant Association.

*Approved Technical Electives: BOT 1313, BOT 1763, BOT 1823, BOT 2433, BPT 1224, BPT 1234, BPT 2334, CUT 1124, CUT 1135, CUT 1613, CUT 2223, CUT 2243, CUT 2923, HRT/CUT 1163, HRT 2713, HRT 2853, HRT 2923, WBL 1913, WBL 1923, or other technical or academic elective approved by instructor/advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Professional Studies Pathway
Forest Technology

First Year

First Semester			Second Semester	
Intro to Microsoft Office	BOT 1273		Legal Environ/Bus	BAD 2413
English Composition I	ENG 1113		OR Princ of Accounting I	ACC 2213
Applied Dendrology	FOT 1714		Forest Measurements I	FOT 1114
Introduction to Forestry	FOT 1813		Silviculture I	FOT 2614
Forest Surveying	FOT 2124		Humanities/Fine Arts	3
			App Natural Science w/Lab	4
Total	17 hrs.		Total	18 hrs.

Second Year

First Semester			Second Semester	
English Composition II	ENG 1123		Applied Soil Conservation	AGT 1714
OR Public Speaking I	SPT/COM 1113		Special Problem in Forest Technology	FOT 2914
OR Social/Behavioral Science	3		Special Problem in Conservation Law	FOT 2944
College Algebra	MAT 1313		Smart Start Pathway	SSP 1002
OR Natural Science w/Lab	4		Work-Based Learning I	WBL 1913
Social/Behavioral Science	3			
Apps GIS/GPS Forestry	FOT 2214			
Timber Harvesting	FOT 2424			
Total	17-18 hrs.		Total	17 hrs.

An AAS Degree may be earned at this point.

Forest Technology is an intensive program of instruction and training to prepare individuals for service in different aspects of forest management operations. Major topics of the program include: the role of foresters in society; the identification and valuation of forest and ornamental woody species; the manipulation of forest stands to produce specific benefits; the impacts of fire, insects, and disease in forest stands; forest measurement and mapping methods; and timber harvesting and utilization systems. Emphasis throughout the program is placed upon developing strong communication skills through written and oral assignments and upon developing a professional attitude of conduct.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Revise Legal Assistant Technology Program

Professional Studies Pathway
Paralegal Technology
Legal Assistant Technology

First Year

First Semester		Second Semester	
Introduction to Law	LET 1123	Legal Writing	LET 1713
Legal Research	LET 1213	Civil Litigation I	LET 2313
Family Law	LET 1513	Torts	LET 2323
Wills and Estates	LET 1523	Civil Litigation II	LET 2333
Real Property I	LET 2453	Contracts & Bus. Law	LET 2373
Smart Start Pathway	SSP 1002		
Total	17 hrs.	Total	15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester		Second Semester	
Microsoft Word I	BOT 1233	English Composition I	ENG 1113
Intro to Microsoft Office	BOT 1273	English Composition II	ENG 1123
Law Office Management	LET 2653	OR Public Speaking I	SPT/COM 1113
Special Problems in Paralegal Technology	LET 2913	OR Social/Behavioral Science	3
Work-Based Learning I	WBL 1913	College Algebra	MAT 1313
		OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	15 hrs.	Total	15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Paralegal Technology-Legal Assistant Technology is designed to prepare a person for entry-level employment as a paralegal in courts, corporations, law firms, and government agencies. Paralegal Technology requires courses in the career technical core, designated areas of concentration, and the academic core. The program offers a Technical certificate, an Advanced Technical Certificate and an AAS degree. The curriculum is based on standards developed from the National Association of Legal Assistants' Descriptions of Certified Paralegal (CP) Exam Sections. Additional research data used in the development of this publication was collected from a review of related literature and from surveys of local experts in business, industry, and education.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Revise Legal Management Technology Program

Professional Studies Pathway
Paralegal Technology
Legal Management Technology

First Year

First Semester		Second Semester	
Introduction to Law	LET 1123	Legal Writing	LET 1713
Legal Research	LET 1213	Civil Litigation I	LET 2313
Family Law	LET 1513	Torts	LET 2323
Wills and Estates	LET 1523	Civil Litigation II	LET 2333
Real Property I	LET 2453	Work-Based Learning I	WBL 1913
Smart Start Pathway	SSP 1002		
Total	17 hrs.	Total	15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester		Second Semester	
Intro to Business Mgmt	BOT 1453	English Composition I	ENG 1113
Human Resource Mgmt	BOT 2233	English Composition II	ENG 1123
Contracts and Bus Law	LET 2373	OR Public Speaking I	SPT/COM 1113
Law Office Management	LET 2653	OR Social/Behavioral Science	3
Special Problems in Paralegal Technology	LET 2913	College Algebra	MAT 1313
		OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	15 hrs.	Total	15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Paralegal Technology-Legal Management Technology is designed to prepare a person for entry-level employment as a law office manager assistant or paralegal in courts, corporations, law firms, and government agencies. Paralegal Technology requires courses in the career technical core, designated areas of concentration, and the academic core. The program offers a Technical certificate, an Advanced Technical Certificate and an AAS degree. The curriculum is based on standards developed from the National Association of Legal Assistants' Descriptions of Certified Paralegal (CP) Exam Sections. Additional research data used in the development of this publication was collected from a review of related literature and from surveys of local experts in business, industry, and education.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin After Page 274 **Add Medical Legal Assistant Technology Program**

Professional Studies Pathway
Paralegal Technology
Medical Legal Assistant Technology

First Year

First Semester		Second Semester	
Introduction to Law	LET 1123	Legal Writing	LET 1713
Legal Research	LET 1213	Civil Litigation I	LET 2313
Family Law	LET 1513	Torts	LET 2323
Wills and Estates	LET 1523	Civil Litigation II	LET 2333
Real Property I	LET 2453	Contracts and Bus Law	LET 2373
Smart Start Pathway	SSP 1002		
Total	17 hrs.	Total	15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester		Second Semester	
Medical Terminology	BOT 1613	English Composition I	ENG 1113
Medical Office Concepts	BOT 2743	English Composition II	ENG 1123
Law Office Management	LET 2653	OR Public Speaking I	SPT/COM 1113
Special Problems in Paralegal Technology	LET 2913	OR Social/Behavioral Science	3
Work-Based Learning I	WBL 1913	College Algebra	MAT 1313
		OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	15 hrs.	Total	15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Paralegal Technology- Medical Legal Assistant Technology is designed to prepare a person for entry-level employment as a paralegal in courts, corporations, law firms, and government agencies that deal with legal issues surrounding the medical field. Paralegal Technology requires courses in the career technical core, designated areas of concentration, and the academic core. The program offers a Technical certificate, an Advanced Technical Certificate and an AAS degree. The curriculum is based on standards developed from the National Association of Legal Assistants' Descriptions of Certified Paralegal (CP) Exam Sections. Additional research data used in the development of this publication was collected from a review of related literature and from surveys of local experts in business, industry, and education.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

HCC Bulletin Page 275 — Revise Course Description for ACC 2223

ACC 2223 – Principles of Accounting II (Prerequisite: ACC 2213).
A continuation of ACC 2213. The topics to be covered include corporate accounting concepts, managerial accounting concepts and internal business decision making to include various business structures. Three hours lecture. Three hours credit.

HCC Bulletin Page 280 — Revise Course Description for BAD 2213

BAD 2213 – Introduction to Marketing.
This course is an introduction to the principles of marketing. Topics include history of marketing, the marketing process and the marketing mix. Three hours lecture. Three hours credit.

HCC Bulletin Page 286 — Revise Course Title and Description for CRJ 2393/4

CRJ 2393/4 – Survey of Forensic Evidence.
The study and application of scientific evidence collection through various methods. Three to four hours lecture. Three to four hours credit.

HCC Bulletin Page 303 — Revise Course Description for PHI 1113

PHI 1113 – Old Testament Survey.
A study of the Old Testament (Hebrew Bible) with regard to its worth as a literary work, along with significant dates, themes, concepts, and contributions of its characters to that history and literature. Three hours lecture. Three hours credit.

HCC Bulletin Page 304 — Revise Course Description for PHI 1153 and PHI 2113

PHI 1153 – Jesus and the Gospels.
A study of the life and ministry of Jesus of Nazareth as recorded in the four canonical Gospels with specific consideration of the geographical, political, and social conditions of the 1st Century and recognition of various early interpretations of the meaning of the life and person of Jesus. Three hours lecture. Three hours credit.

PHI 2113 – Introduction to Philosophy I.
An introduction to the major themes and history of the discipline of philosophy with an emphasis on the development of critical thinking skills. Three hours lecture. Three hours credit.

HCC Bulletin Page 306 — Revise Course Description for PSY 1513

PSY 1513 – General Psychology.
An introduction to the scientific study of behavior and mental processes. This includes history and theories of psychology, research methods, biological bases of behavior, the principles of learning, personality and abnormal behaviors. Three hours lecture. Three hours credit.

HCC Bulletin Page 327 — Revise Title/Course Description for CUT 2223

CUT 2223 – Menu Planning.
This course focuses on the principles and concepts of menu planning, menu formats, and layout with regard to a wide variety of eating habits and taste of the dining public. Emphasis will be on pricing, menu design, merchandising, tools, nutritional considerations, schedules, and profitability. Three hours lecture. Three hours credit.

HCC Bulletin Page 328

Add the following Course Description for Culinary Arts Technology

CUT 1163-Culinary Math.
The purpose of this course is to develop basic mathematical computation for all facets of the food service industry. Math skills learned will advance students/graduates at all levels of employment from servers and cooks to chefs and managers. Two hours lecture. Two hours lab. Three credit hours.

HCC Bulletin Page 339-349

Add/Revise the following Course Descriptions for Engineering Technology Courses

DDT 1143 – Geometric Dimensioning and Tolerances.
A continuation of conventional dimensioning with emphasis on concepts as adopted by the American National Standards Institute (ANSI); a study of international dimensioning symbols used to control tolerances of form, profile, orientation, run-out, and location of features on an object. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1153 – Descriptive Geometry.
This course contains theory and problems designed to develop the ability to visualize points, lines, and surfaces of space. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1163 – Engineering Graphics.
This course provides an introduction to fundamentals and principles of drafting to provide the basic background needed for all other drafting courses. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1173 – Mechanical Design I.
Students will utilize techniques of modeling to create machine specific drawings. The course emphasizes methods, techniques, and procedures (in presenting screws, bolts, rivets, springs, thread types, symbols for welding, materials, finish and heat treatment notation, working order preparation, routing, and other industry procedures) used in mechanical design. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1183 – Technical Math.
This course focuses on the study of computational skills required for the development of accurate design and drafting methods. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1323 – Computer Aided Design II.
Continuation of Computer Aided Design I (DDT 1313). Subject areas include dimensioning, sectional views, and symbols. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1413 – Elementary Surveying.
This is a basic surveying course that deals with principles of geometry, theory, and use of leveling instruments; calculations; the control and reduction of errors; and the understanding of land surveying history. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1513 – Blueprint Reading I.
Terms and definitions used in reading blueprints. Basic sketching, drawing, and dimensioning of objects will be covered. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1523 – Blueprint Reading II.
Continuation of Blueprint Reading I with emphasis placed on reading and interpreting blueprints for different types of structures and performing basic calculations. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 1613 – Architectural Design I.
This course is a study and development of architectural design principles for a residential and/or commercial structure utilizing a 2D or 3D application. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2153 – Civil Planning and Design.
This course deals with the development of civil planning and design processes. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2183 – Mechanical Design II.
A continuation of Mechanical Design I with emphasis on advanced techniques and knowledge employed in the planning of mechanical objects; includes instruction in the use of tolerances and dimensioning techniques. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2213 – Structural Detailing I.
Structural section, terms, and conventional abbreviations and symbols used by structural fabricators and erectors are studied. Knowledge is gained in the use of the A.I.S.C. Handbook. Problems are studied that involve structural designing and drawing of beams, columns, connections, trusses, and bracing (steel, concrete, and wood). Students will utilize 2D or 3D software. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2233 – Structural Detailing II.
Study of the miscellaneous areas of structural detailing including stairs, handrails, and cage ladders. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2253 – Statics and Strength of Materials.
Study of forces acting on bodies; moments of forces; stress of materials; basic machine design; and beams, columns, and connections. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2363 – Computer Numerical Control (CNC) Drafting.
Basics of numerical control machines. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2373 – 3D Modeling.
This course will emphasize the user coordinate system and 3-D modeling. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2523 – Pipe Drafting.
Instruction in the basic knowledge needed to create process piping drawings using individual piping components. Students will utilize 2D or 3D software. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2623 – Architectural Design II.
Emphasizes standard procedures and working drawings. Details involving architectural, mechanical, electrical, and structural drawings are covered, along with presentation of drawings and computer-aided design assignments. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2713 – Fundamentals of Multimedia.
A general overview of current issues in multimedia and the study of how multimedia can assist in the work environment. This course provides a basis for further study in multimedia design and production. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2813 – Inventor 3D Model and Animation.
This course will provide instruction on the 3D applications of Inventor. It emphasizes the development of 3D parametric models and the ability to generate 2D drawings, details and renderings from the model. This course will also provide the utilization of assembly drawings and animation of working parts. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 2823 – Revit Architecture.
This course provides instruction on the 3D applications of Revit Architecture. It emphasizes the development of 3D parametric models and the ability to generate 2D drawings, details and renderings from the model. This course will also provide the animation walk thru of the 3D building. Two hours lecture. Two hours laboratory. Three hours credit.

DDT 291(1-3) – Special Project.
Practical application of skills and knowledge gained in other drafting courses. The instructor works closely with the student to ensure that the selection of a project will enhance the student's learning experience. Two to six hours laboratory. One to three hours credit.

ENT 1113 – Graphic Communications.
This course is designed to give students fundamentals and principles of drafting to provide the basic background needed for all other engineering technology courses. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1133 – Technology Graphics.
Machine drafting methods and practice in pictorial and orthographic projections. Techniques and procedures in presenting screws, bolts, rivets, thread types, gears, cams and design and working drawings, concepts of descriptive geometry and computer aided drawing. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1413 – Elementary Surveying.
This course is designed to give the student a basic course regarding the principles and practices of plane surveying, including measurements for distance, direction and elevation including an introduction to the care and use of surveying instruments and equipment. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1523 – Landscape Design.
This course is designed to give the student computer-aided design drafting for civil engineering, surveying and land development technicians. Industry standard civil engineering software program will be utilized in this course. Creation of grading and drainage plans, digital terrain models, underground utilities and engineering details. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 159(1-3) – Internship/Special Project in Design.
This course is designed for the student to use the skills and knowledge gained in other design courses. It is a cooperative program between industry and education designed to integrate the student's technical studies with industry experience. Variable credit is awarded on the basis of one credit hour per 45 industry contact hours. One to three hours credit.

ENT 1613 – Architectural Design I.
This course is a study in development of architectural design principles for a residential structure. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1823 – Design for Manufacturing.
This course is designed to offer instruction in various methods of manufacturing with emphasis on the drafter's role in manufacturing. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2133 – Professional Development.
This course emphasizes an awareness of interpersonal skills essential for job success. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2153 – Civil Drafting.
This course is designed to give the student an introduction to computer-aided design/drafting software for civil, surveying, and land development disciplines. Topics include mapping scales and symbols, civil fundamentals, location and direction of property lines, topographic mapping, and boundary and legal description plats. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2253 – Statics & Strengths of Material.
Study of forces acting on bodies, movement of forces, stress of materials, basic machine design; beams, columns, and connections. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2273 – Facilities Planning.
This course deals with the techniques and procedures for developing an efficient facility layout and introduces some of the state-of-the-art tools involved, such as 3-D design and computer simulation. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2343 – Advanced CAD.
This course is designed to give the student a continuation of CAD. Emphasis is placed on the user coordinate system and 3D modeling. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2363 – Computer Numerical Control.
A course designed to introduce the students to the basics of computer numerical control machines. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2423 – Mapping & Topography.
Selected drafting techniques are applied to the problem of making maps, traverses, plot plans, plan and profile drawing using maps, field survey data, aerial photographs and related references, materials including symbols, notations, and other applicable standardized materials. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2463 – Grading & Drainage.
This course is designed to give the student computer aided design drafting for civil engineering, surveying and land development technicians. Industry standing civil engineering software program will be utilized in this course. Creation of grading and drainage plans, digital terrain models, underground utilities and engineering details. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2513 – Visual Communications in Design.
This course is designed as an introduction to visual communications in interior design with emphasis on orthographic and free-hand drawing and visual design terminology. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2523 – Intermediate Design.
This course is a studio course for the exploration and application of design methodology to interior environments. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2563 – Advanced Visual Literacy in Design.
This course is an exploration of advanced graphic communication and modeling methods in interior design through a variety of projects. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2613 – Programmable Logic Controllers.
This course covers the use of programmable logic controllers (PLCs) in a modern industrial setting, as well as the operating principles of PLCs. Discussion and practice in the programming, installation, and maintenance of PLCs. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2623 – Architectural Design II.
This course is designed to emphasize standard procedures and working drawings. Details involving architectural, mechanical, electrical, and structural drawings are covered, along with presentation of drawings and computer aided design assignments. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2643 – Architectural Rendering.
This course is designed to give the student visual expression of architectural principles and structures. This course will include perspective, shade, shadow, and color using pencil, pen & ink, paint and new media. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2723 – Digital Studio.
This course is designed to give the student a general overview of cur- rent issues in digital media; a study of how digital media can assist in the work environment; provides a basis for further study in graphic design and production. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 291(1-3) – Special Project.
This course is designed to give the student practical application of skills and knowledge gained in other drafting courses. The instructor works closely with the student to ensure that the selection of a project will enhance the student's learning experience. Two to six hours laboratory. One to three hours credit.

ENT 2923 – Fundamentals of Multimedia.
A general overview of current issues in multimedia. Study of how multimedia can assist in the work environment; provides a basis for further study in multimedia design and production. Two hours lecture. Two hours laboratory. Three hours credit.

HCC Bulletin After Page 353 **Add Hotel and Restaurant Management Technology Courses**

HOTEL AND RESTAURANT MANAGEMENT TECHNOLOGY

HRT 1123 – Introduction to the Hospitality and Tourism Industry.
This course is designed as an introduction to the hospitality and tourism industry. The course includes discussions and industry observations to discover the opportunities, trends, problems, and organizations in the field. Three hours lecture. Three hours credit.

HRT/CUT 1163-Culinary Math.
The purpose of this course is to develop basic mathematical computation for all facets of the food service industry. Math skills learned will advance students/graduates at all levels of employment from servers and cooks to chefs and managers. Two hours lecture. Two hours lab. Three credit hours.

HRT/CUT 1213 – Sanitation and Safety.
This course will provide basic principles of microbiology, sanitation, and safety for a food service operation. The course studies the implementation of sanitation procedures, cost control, risk reduction standards in a hospitality operation. ServSafe® Sanitation Certification from the National Restaurant Association is offered as a part of this course. Two hours lecture. Two hours laboratory. Three semester hours credit.

HRT 1224 – Restaurant and Catering Operations.
This course introduces the principles of organizing and managing a food and beverage operation. Two hours lecture. Four hours laboratory. Four hours credit.

HRT 1413 – Rooms Division Management.
This course introduces an operational approach to rooms division management in the hospitality industry including front office management and housekeeping operations. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2233 – Hospitality Cost Controls.
This course focuses on principles and procedures involved in an effective food and beverage control system, including standards determination, the operating budget, cost-volume profit analysis, income and cost control, menu pricing, labor cost control, and computer applications. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2613 – Hospitality Supervision.
This course introduces supervisory skills in leadership styles, communication skills, motivational techniques, employee training techniques, and evaluation methods. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2623 – Hospitality Human Resource Management.
This course introduces the principles of hospitality human resource management with an emphasis placed on the study of human behavior and human relations in the hospitality industry. Three hours lecture. Three hours credit.

HRT 2713 – Marketing Hospitality Services.
This course covers the application of marketing methodologies and terms to the hospitality and tourism industry, the use of sales techniques for selling to targeted markets, and developing marketing plans for hospitality and tourism operations. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2853 – Convention and Meeting Planning.
This course will focus on planning, promotion, and management of meetings, conventions, expositions, and events. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2863 – Tourism Planning and Development.
This course is designed to provide the knowledge to plan and implement the marketing and management of special events and tourism events. Two hours lecture. Two hours laboratory. Three hours credit.

HRT 2913 – Supervised Work Experience in Hotel and Restaurant Management.
This course is a cooperative program between industry and education and is designed to integrate the student's technical studies with industry experience. Variable credit is awarded on the basis of one semester hour per 45 industrial contact hours. Nine hours externship. Three hours credit.

HRT 2923 Supervised Work Experience.
This course is a cooperative program between industry and education and is designed to integrate the student's technical studies with industrial experience. Variable credit is awarded on the basis of one semester hour per 45 industrial contact hours. Nine hours externship. Three hours credit.

HCC Bulletin Page 372

Add Mechatronics Engineering Technology Courses before Occupational Therapy Assistant Technology Courses

MECHATRONICS ENGINEERING TECHNOLOGY

MNT 1114 – Manufacturing Skills Basic.
A course designed to provide the student with the basic skills needed to be successful in a high-performance manufacturing environment. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 1123 – Industrial Electricity.
A course associated with AC and DC circuits used in the electrical trades. Includes the study of electrical circuits, laws and formulas, and the use of test equipment to analyze AC and DC circuits. One hour lecture. Four hours laboratory. Three hours credit.

MNT 1134 – Industrial Control Systems.
A course designed in the operation and function industrial control circuits and devices. Emphasis is placed on the student's ability to diagram, wire and troubleshoot a variety of circuits, control devices and actuators. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 1142– Mechanical Power Transmission I.
This course includes instruction and lab exercises related to motor mounting and alignment, key fasteners, and power transmission systems. Four hours laboratory. Two hours credit.

MNT 1153 – Basic Industrial Robotics.
This course provides a hands-on learning environment to develop and practice basic robotics safety, robotics systems, robotic operations and robotic programming. Two hours lecture. Two hours laboratory. Three hours credit.

MNT 1213– Programmable Logic Controllers.
This course covers use of programmable logic controllers (PLCs) in modern industrial settings as well as the operating principles of PLCs and practice in the accelerated programming, installation and maintenance of PLCs. One hour lecture. Four hours laboratory. Three hours credit.

MNT 1224– Fluid Power.
Instruction in the basic principles of hydraulics and pneumatics and the inspection, maintenance and repair of hydraulic and pneumatic systems. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 1233– Electronic Motion Control.
This course explains applications and operating procedures of solid state controls, reduced-voltage starters, and adjustable frequency drives as well as troubleshooting procedures. One hour lecture. Four hours laboratory. Three hours credit.

MNT 1242 – Mechanical Power Transmission II.
This course includes instruction and lab exercises related to V belt drives, chain drives, gear drives, and multiple shaft systems. Four hours laboratory. Two hours credit.

MNT 2114 – Mechatronics Programming I.
This course provides a hands-on learning environment to develop and practice the techniques used in programming and sequencing mechatronics systems. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2123 – Fundamentals of Instrumentation.
This course provides students with a general knowledge of instrumentation principles as they relate to the electrical industry. This course includes instruction in the basis of hydraulics and pneumatics and the use of electrical circuits in the instrumentation process. Two hours lecture. Two hours laboratory. Three hours credit.

MNT 2133– Mechatronics Troubleshooting and Repair.
This course provides a hands-on learning environment to develop and practice the techniques used in troubleshooting complex mechatronics systems. One hour lecture. Four hours laboratory. Three hours credit.

MNT 2214– Mechatronics Process Control.
A study of the instruments and instrument systems used in chemical processing including terminology, primary variables, symbols, and control loops. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2224 – Mechatronics Programming II.
This course provides a hands-on learning environment to develop and practice the techniques used in advanced programming and network integration of mechatronic systems. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2234 – Mechatronics Special Project.
This course provides practical application of skills and knowledge gained in their Mechatronics Technician program of study. The instructor works closely with the student to ensure the selection of a project will enhance the student's learning experience. Eight hours laboratory. Four hours credit.

MNT 2314 – Maintenance Welding and Metals.
This course includes different metals and their properties and in basic SMAW welding and oxy-fuel cutting and brazing. One hour lecture. Six hours laboratory. Four hours credit.

MNT 2324 – Power Tools, Machining, and Materials.
This course is designed to provide fundamental skills associated with all mechanical maintenance courses. This course includes safety, powered hand and stationary tools, use of a calculator, test equipment familiarization and terminology. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2333 – Computer Aided Design I.
This course is designed to develop basic operating system and drafting skills on CAD. Two hours lecture. Two hours laboratory. Three hours credit.

MNT 2344 – CNC/ Computer Assisted Manufacturing.
An introduction of computer numerical control (CNC) and computer assisted manufacturing (CAM) techniques and practices. Includes the use of the Cartesian coordinate system, programming codes and command, and tooling requirements for CNC/CAM machines. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2354 – Preventative Maintenance.
This course includes four major performance domains that are aligned to the Certified Maintenance Reliability Professional Certification. Domains include maintenance practices, preventive and predictive maintenance and analysis, and corrective maintenance. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2364 – Industry 4.0 with Data Acquisition.
This is a course to introduce and explain Industry 4.0 with data acquisition. Two hours lecture. Four hours laboratory. Four hours credit.

MNT 2373 – Servo Control Systems.
This course is designed to teach servo components; velocity servos; positional servos; force, pressure, and torque servos; servo amplifiers; programmers; and servo analysis. Emphasis placed on servo trim and maintenance and the applications of servo systems. Two hours lecture. Two hours laboratory. Three hours credit.

MNT 2384 – Mechatronics Robotics.
This course provides a hands-on learning environment to develop and practice the techniques used in programming and troubleshooting robotic systems. Two hours lecture. Four hours laboratory. Four hours credit.

HCC Bulletin Page 381-382 — Add/Revise the Precision Machining Technology Title/Course Descriptions

MST 1124 – Power Machinery II.
A continuation of Power Machinery I with emphasis on more advanced applications of lathes, mills, shapers, and precision grinders. Two hours lecture. Four hours laboratory. Four hours credit.

MST 1213 – Drill Press and Band Saw Operations.
This course provides instruction of general shop safety as well as the operation of power machinery that includes instruction and practice in the safe operation of band saws and drill presses. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1223 – Lathe Turning Knowledge.
This course provides instruction of general shop safety as well as the operation of the lathe. The course will implement the performance of lathe operations resulting in the manufacture of various parts. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1233 –-Milling Machines Knowledge.
This course provides instruction of general shop safety as well as the operation of vertical milling machines. The course will implement the performance of milling operations resulting in the manufacture of various parts. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1243 – Precision Lathe Operations.
This course is a continuation of lathe tuning knowledge and provides instruction of general shop safety as well as additional instruction in lathe operations. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1252 – Surface Grinding Operations.
This course provides instruction in general shop safety as well as emphasis on advanced applications of precision grinders. One hour lecture. Two hours laboratory. Two hours credit.

MST 1263 – Milling Machine Operations.
This course provides instruction in general shop safety as well as emphasis on advanced applications of milling machine operations. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1423 – Advanced Blueprint Reading.
A continuation of Blueprint Reading with emphasis on advanced feature of technical prints. Includes instruction on the identification of various projections and views and on different assembly components. Two hours lecture. Two hours laboratory. Three hours credit.

MST 1623 – Fundamentals of GD&T (Geometric Dimensioning & Tolerancing).
This course is designed to provide students with a solid foundation in the fundamentals of geometric dimensioning and tolerancing. Includes emphasis on measurement theory; common terms and definitions; profile, orientation, locational, runout, and form tolerances as they relate to Machine Tool Technology. Three hours lecture. Three hours credit.

MST 2134 – Power Machinery III.
A continuation of the Power Machinery II course with emphasis on advanced applications of the engine lathe, milling machine, and grinding machine. Two hours lecture. Four hours laboratory. Four hours credit.

MST 2144 – Power Machinery IV.
A continuation of Power Machinery III with emphasis on highly advanced operations of the radial arm drill, milling machine, engine lathe, and precision grinder. Two hours lecture. Four hours laboratory. Four hours credit.

MST 2513 – Advanced Lathe Operations.
This course provides instruction on safety and advanced applications of the engine lathe. Two hours lecture. Two hours laboratory. Three hours credit.

MST 2523 – Advanced Milling Operations.
This course provides instruction on safety and advanced applications of the vertical milling machine. Two hours lecture. Two hours laboratory. Three hours credit.

MST 2533 – Precision Grinding Operations.
This course provides instruction on safety and grinding operations and applications to include tool post grinding, cylindrical grinding, and center-less grinding. Two hours lecture. Two hours laboratory. Three hours credit.

MST 2542 – Gear Types and Manufacturing.
This course provides instruction on safety and vertical or horizontal milling operations, formulas, and procedures required to manufacture various types of gears and their applications. One hour lecture. Two hours laboratory. Two hours credit.

MST 2552 – Advanced Machining Technologies.
This course provides instruction on safety, operations, and applications of new machining technologies that apply to precision manufacturing in global markets. Laser technology, EDM wire, Die sink, plasma and water jets commonly used in machining and forming shapes in utilizing exotic space age materials. One hour lecture. Two hours laboratory. Two hours credit.

MST 2724 – Computer Numerical Control Operations II.
A continuation of Computer Numerical Control Operations I. Includes instruction in writing and editing CNC programs, machine setup and operation, and use of CAM equipment to program and operate CNC machines. Two hours lecture. Four hours laboratory. Four hours credit.

MST 2733 – Fundamentals of CAD/CAM.
This course is designed to provide the students with the fundamental knowledge and skills of Computer Aided Design Manufacturing using various CAD/CAM software packages as they relate to Machine Tool Technology. Three hours lecture. Three hours credit.

MST 2813 – Metallurgy.
An introduction to the concepts of metallurgy. Includes instruction and practice in metal identification, heat treatment, and hardness testing. One hour lecture. Four hours laboratory. Three hours credit.

MST 291(1-4) – Special Problem in Machining Technology.
A course to provide students with an opportunity to utilize skills and knowledge gained in other Precision Manufacturing and Machining Technology courses. The instructor and student work closely together to select a topic and establish criteria for completion of the project. Two to eight hours laboratory. One to four hours credit.

MST 292(1-6) – Supervised Work Experience in Machining Technology.
A course that is a cooperative program between industry and education designed to integrate the student's technical studies with industrial experience. Variable credit is awarded on the basis of 1 semester hour per 45 industrial contact hours. Three to eighteen hours externship. One to six hours credit.

HCC Bulletin Page 384 Revise WLT 1154 Course Description

WLT 1154 – Pipe Welding.
This course is designed to give the student experience in pipe welding procedures. One hour lecture. Six hours laboratory. Four hours credit.

I certify the above amendment is true and correct in content and in policy.

03/04/2024

Dr. Jenny Jones, Vice President for Academic Programs