

Columbia Basin College 2004 - 2006 Catalog Addendum



College Information

New

ACADEMIC HONESTY

Students and instructors share responsibility in promoting and maintaining an environment that supports academic integrity. Academic dishonesty minimizes the learning process and threatens the learning environment for all students.

As members of the Columbia Basin College learning community, students are not to engage in any form of academic dishonesty which include, but are not limited to: plagiarism, cheating, fabrication and falsification, grade tampering, and misuse of computers and other electronic technology. Students who engage in academic dishonesty can expect some academic penalty to be determined by the instructor. Additionally, as academic dishonesty is a violation of CBC's student code of conduct, students who engage in academic dishonesty may face disciplinary action to include warning, reprimand, probation, suspension, and dismissal. For more detailed information, please refer to the CBC website at www.columbiabasin.edu/sserv/honesty.

Programs & Requirements

Degree Change – Page 29

PROFESSIONAL TECHNICAL

One-Year Certificate in Accounting

Major Courses

BA 251	Principles of Accounting	5
BA 252	Principles of Accounting	5

Select 2 courses from the following options:

BA 105	Business & Payroll Tax Accounting	5
BA 111/1111	Computerized Accounting & Lab.	5
BA 250	Management Information Systems	5

Subtotal 20

Major Support

(a minimum of 15 credits are required)

BA 101	Introduction to Business	5
BA 107	Federal Income Taxes	5
BA 120	Personal Finance	5
BA 253	Principles of Accounting	5
BA 254	Business Law	5
BA 255	Business Law	5
BA 264	Accounting Information Systems	5
BA 270	Accounting Review/Excel.	5
BA 295.2	Supervised Employment	1-5

AOT	Keyboarding	2-4
CA 100	Intro to Microcomputers	4
CS 106	Database Systems I.	5
CA 124	Intermediate Spreadsheets	2
EC 201	Economics	5
EC 202	Economics	5
MTH 143	Basic Statistics	5
MTH 147	Finite Math	5
MTH 210	Basic Calculus	5
	Subtotal	15

General Education

ENG 101	English Composition	5
MTH 106+	Math 106 or above	5

Psychology or Sociology (select 5 credits)

PSY 101	General Psychology or.	5
PSY 201	Social Psychology or.	5
SOC 101	Introduction to Sociology	5

Speech (select 3 credits)

SPE 101	Speech Essentials or	3
SPE 110	Communication Behavior	3

Subtotal 18

Total Credits Required 53

Degree Change – Page 41

Associate of Applied Science in Dental Hygiene

PROFESSIONAL TECHNICAL

DHYG 110	Dental Anatomy.	2
DHYG 112	Oral Radiology I.	1
DHYG 1121	Oral Radiology I Lab	1
DHYG 113	Clinical Dental Hygiene Techniques I	2
DHYG 1131	Clinical Dental Hygiene Techniques I Lab	3
DHYG 114	Dental Health Education	1
DHYG 115	Dental Materials.	1
DHYG 1151	Dental Materials Lab	1
DHYG 116	Head and Neck Anatomy	2
DHYG 121	General Pathology	1
DHYG 1211	Dental Emergencies Lab	1
DHYG 122	Oral Radiology II.	1
DHYG 1221	Oral Radiology II Lab.	1
DHYG 123	Clinical Dental Hygiene Techniques II	1
DHYG 1231	Clinical Dental Hygiene Techniques II Lab	4
DHYG 125	Restorative Dentistry I.	1
DHYG 1251	Restorative Dentistry I Lab	1
DHYG 126	Pain Control in Dentistry	1
DHYG 1261	Pain Control in Dentistry Lab	1
DHYG 127	Pharmacology.	2
DHYG 131	Oral Pathology.	2
DHYG 132	Periodontics I	3
DHYG 134	Clinical Dental Hygiene Techniques III	1
DHYG 1341	Clinical Dental Hygiene Techniques III Lab.	4
DHYG 135	Restorative Dentistry II	1
DHYG 1351	Restorative Dentistry II Lab.	2
DHYG 136	Patient Management	1
DHYG 144	Clinical Dental Hygiene Techniques IV	1
DHYG 1441	Clinical Dental Hygiene Techniques IV Lab	5
DHYG 146	Restorative Dentistry IV	1
DHYG 1461	Restorative Dentistry IV Lab	3
DHYG 211	Nutrition in Dentistry	2
DHYG 212	Advanced Clinical Topics	1
DHYG 2121	Advanced Clinical Topics Lab	1
DHYG 214	Clinical Dental Hygiene Techniques V.	1
DHYG 2141	Clinical Dental Hygiene Techniques V Lab	6
DHYG 215	Ethics, Jurisprudence, and Practice Management.	2
DHYG 221	Community Oral Health I.	2

DHYG 2211	Community Oral Health I Lab	2
DHYG 222	Periodontics II	3
DHYG 2241	Clinical Dental Hygiene Techniques VI Lab.	6
DHYG 2271	Nitrous Oxide Administration Lab	1
DHYG 234	Clinical Dental Hygiene Techniques VI 1	
DHYG 2341	Clinical Dental Hygiene Techniques VI Lab.	7
	Subtotal	88

Major Support

SOC 101	Sociology	5
NFS 111	Nutrition & Food Science	5
BIO 221	Biology	4
BIO 2211	Biology Lab.	2
BIO 222	Anatomy and Physiology.	4
BIO 2221	Anatomy and Physiology Lab	2
BIO 260	Microbiology.	4
BIO 2601	Microbiology Lab.	2
	Subtotal	28

General Education

ENG 101	English Composition.	5
MTH 143	Basic Statistics	5
PSY 101	Psychology.	5

Speech (select 3 credits)

SPE 101	Speech Essential or.	3
SPE 110	Communication Behavior	3
	Subtotal	18

Total Credits Required 134

Degree Change – Page 45

Associate of Applied Science in Fire Science

PROFESSIONAL TECHNICAL

FS 111	Fire Administration	3
FS 121	Fire Tactics I.	3
FS 131	Intro to Fire Inspections.	3
FS 141	Hazardous Materials I	3
FS 151	Hazardous Materials II.	3
FS 211	Building Construction	3
FS 222	Fire Tactics II	3
FS 231	Fire Protection Equipment	3
FS 241	Fire Investigation	3
	Subtotal	27

Major Support

ENG 205	Technical Communications	5
---------	------------------------------------	---

Political Science (select 5 credits)

PS 100	American Government or	5
PS 104	State and Local Government	5

Business Administration (select 5 credits)

BA 262	Management Principles or.	5
BA 271	Human Relations Business	5
	Subtotal	15

Restrictive Electives

EMT-Emergency Medical Technician.	10
Promotional Exams - Maximum.	9
Special Experience - 1 credit per yr - Maximum (Training Officer, Fire Marshall, Inspection, Paramedic, etc.)	5
Fire Training Classes - 1 credit/16 hours - Maximum.	15
Work Experience - Maximum (Career 2 credit/yr & Volunteer 1 credit/yr).	10
Correspondence - Maximum.	5
Subtotal	28-32

General Education

ENG 101	English Composition.	5
PSY 100+	Psychology 100 or above	3-5
MTH 106+	Math 106 or above	5

Speech (select 3-5 credits)

SPE 101	Speech Essentials or	3
SPE 102	Speech Essentials or	5
SPE 110	Communication Behavior or.	3
SPE 111	Communication Behavior	5
	Subtotal	16-20

Total Credits Required 90-94

Degree Change – Page 45

Associate of Applied Science in Fire Science

Fire Fighter I

PROFESSIONAL TECHNICAL

Major Courses

FCA 105	Hydraulics.	3
FCA 120	Fire Investigation	3
FCA 137	Fire Protection Systems	3
FCA 152	Building Construction	3
FCA 160	Fire Ground Tactics	3
FCA 177	Wildland/Urban Interface	3
FCA 190	Intro to Fire Inspection & Codes	3
FCA 251	Firefighter Level I Academy	23
EMT 101	Emergency Medical Technician.	10
	Subtotal	54

Major Support

CA 100	Introduction to Microcomputers	4
ENG 205	Technical Communications	5

Political Science (select 5 credits)

PS 100	American Government or	5
PS 104	State and Local Government	5
CHM 100	Survey of Chemistry	4
CHM 1001	Survey of Chemistry Lab	1
	Subtotal	19

Restrictive Electives

Promotional Exams - Maximum.	5
Special Experience - 1 credit per yr - Maximum (Training Officer, Fire Marshall, Inspection, Paramedic, etc.)	5
Fire Training Classes - 1 credit/16 hours - Maximum.	5
Work Experience - Maximum (Career 2 credit/yr & Volunteer 1 credit/yr).	5
Correspondence - Maximum.	5
Subtotal	5

General Education

ENG 101	English Composition.	5
MTH 106+	Math 106 or above	5
PSY 100+	Psychology 100 or above	3

Speech (select 3-5 credits)

SPE 101	Speech Essential or.	3
SPE 102	Speech Essential or.	5
SPE 110	Communication Behavior or.	3
SPE 111	Communication Behavior	5
	Subtotal	16-18

Total Credits Required 94-96

Degree Change – Page 40*PROFESSIONAL TECHNICAL***Associate of Applied Science in Criminal Justice/Forensic Science****Major Courses**

CJ 132	Criminal Law and Procedure	5
CJ 137	Constitutional Law	5
CJ 232	Criminal Investigation	5
CJ 234	Criminal Evidence	3
CJ 242	Introduction to Forensic Science	5

Major Support

MTH 157	Precalculus 1 & 2 or	5
MTH 154 & 155	Precalculus 1 & 2 (both courses must be completed)	10
MTH 231 & 232	Calculus/Analytic Geometry 1 & 2	10
MTH 143	Statistics	5
CHM 101/1011	Introduction to Chemistry/Lab (if not completed in high school)	5
CHM 111/1111	General Chemistry and Lab	5
CHM 112/1121	General Chemistry and Lab	5
CHM 113/1131	General Chemistry and Lab	5
CHM 251/2511	Quantitative Analysis 1	5
CHM 252/2521	Quantitative Analysis 2	5

Subtotal 68-78**General Education**

ENG 101	English Composition	5
ENG 205	Technical Writing	5

Speech (select 3-5 credits)

SPE 101	Speech Essentials or	3
SPE 102	Speech Essentials or	5
SPE 110	Communications Behavior or	3
SPE 111	Communications Behavior or	5
SPE 260	Multicultural Communications	5
CS 161	Computer Science	4
MTH (See Degree Major Courses above)		
Humanities, Social Science, Natural Science		15
(No more than 10 cr. from any one department)		

Subtotal 34**Total Credits Required 102-112****Degree Change – Page 50****Pre-Nursing Curriculum***PROFESSIONAL TECHNICAL***Fall Quarter**

BIO 105	Cell Biology for Allied Health or	4
BIO 1051	Cell Biology for Allied Health Lab or	1
BIO 111	Core Biology–Cell	4
BIO 1111	Core Biology–Cell Lab	1
CHM 100	Survey of Chemistry	4
CHM 1001	Survey of Chemistry Lab	1
(MTH 91 Prerequisite for Chemistry)		
SPE 101	Speech Essentials	3

Subtotal 13**Winter Quarter**

BIO 221	Anatomy & Physiology I	5
BIO 2211	Anatomy & Physiology I Lab	1
(BIO 105 or BIO 111 Prerequisite for A&P)		
PSY 101	General Psychology	5
ENG 101	English Composition (Placement by appropriate 5 test score or successful completion of ENG 99)	

Subtotal 16**Spring Quarter**

BIO 222	Anatomy & Physiology II	5
BIO 2221	Anatomy & Physiology II Lab	1
(BIO 221/BIO 2211 Prerequisite for A&P)		
PSY 240	Developmental Psychology	5
MTH	Any Math class above 100	5
(Prerequisite: MTH 95 or ASSET Placement)		

Subtotal 16**Summer Quarter**

BIO 260	Microbiology	5
BIO 2601	Microbiology Lab (BIO 105 or BIO 111 Prerequisite)	1

Subtotal 6**Total Credits Required 51****Degree Change – Page 50****LPN Curriculum***PROFESSIONAL TECHNICAL***Major Courses**

NRS 111	Nursing I	7
NRS 1111	Nursing I Lab	4
NRS 121	Nursing	5
NRS 1211	Nursing II Lab	5
NRS 131	Nursing III	5
NRS 1311	Nursing III Lab	5
NRS 141	Practical Nursing	5
NRS 1411	Practical Nursing Lab	7
NRS 1351	Nursing Trends Lab (2 credits per quarter)	6

Subtotal 49**Major Support**

BIO 221	A & P I	4
BIO 2211	A & P Lab	2
BIO 222	A & P II	4
BIO 2222	A & P II Lab	2
PSY 101	General Psychology	5
NRS 101	Pharmacology Math	2

Subtotal 19**General Education**

ENG 101	English Composition	5
---------	-------------------------------	---

Subtotal 5**Total Credits Required 73****Degree Change – Page 50****Associate of Applied Science in Nursing (ADN)***PROFESSIONAL TECHNICAL***Major Courses**

NRS 111	Nursing I	7
NRS 1111	Nursing I Lab	4
NRS 121	Nursing II	5
NRS 1211	Nursing II Lab	5
NRS 131	Nursing III	5
NRS 1311	Nursing III Lab	5
NRS 1351	Nursing Trends Lab (2 credits per quarter)	6
NRS 211	Nursing IV	5
NRS 2111	Nursing IV Lab	5
NRS 221	Nursing V	5
NRS 2211	Nursing V Lab	6
NRS 222	Professional Issues I	1
NRS 231	Nursing VI	5
NRS 2311	Nursing VI Lab	8

NRS 232	Professional Issues II	1
NRS 2351	Nursing Trends Lab (1 credit per quarter)	3
Subtotal		76

Major Support

BIO 221	Anatomy & Physiology I	4
BIO 2211	Anatomy & Physiology I Lab	2
BIO 222	Anatomy & Physiology II	4
BIO 2221	Anatomy & Physiology II Lab	2
PSY 101	General Psychology	5
BIO 260	Microbiology	4
BIO 2601	Microbiology Lab	2
NRS 101	Basic Pharmacology	2
NRS 102	Pharmacology	1
Subtotal		26

General Education

ENG 101	English Composition	5
MTH 100+	Math 100 or above	5
SPE 101	Speech Essentials	3
PSY 240	Developmental Psychology	5
Subtotal		18
Total Credits Required		120

Degree Change – Page 55

Associate of Applied Science in Welding Technology

PROFESSIONAL TECHNICAL

Major Courses

WT 101	Oxy-acetylene Process	1
WT 1011	Oxy-acetylene Lab	3
WT 1021	Intro to Shield Metal Arc Welding*	10
WT 103	Fundamentals of Major Processes & Their Consumables*	5
WT 1031	Advanced Shield Metal Arc Welding*	10
WT 1041	Shield Metal Arc Welding Certification* or	10
WT 1051	Gas Metal Arc Welding (MIG) Certification*	10
WT 108	Fabrication Technique I	1
WT 1081	Fabrication Technique I Lab	1
WT 201	Weldability of Metals*	5
WT 2011	Intro to Pipe Welding*	10
WT 202	Welding Inspection*	5
WT 2021	Gas Tungsten Arc Welding (TIG)*	10
WT 2031	Pipe Welding Certification*	10
WT 208	Fabrication Technique II	1
WT 2081	Fabrication Technique II Lab	2
Subtotal		85

Major Support

BPR 106	Blueprint I	3
BPR 206	Blueprint II	3
DRW 106	Industrial Drawing	2
Subtotal		8

General Education

ENG 101	English Composition or	5
ENG 103	Writing in the Workplace or	5
ENG 205	Technical Communication	5
MTH100+	Math 100 or above (100,102,109)	6

Human Relations (select 3-5 credits)

PSY 100	Applied Psychology or	3
PSY 101	General Psychology or	5
PSY 201	Social Psychology or	5
BA 271	Human Relations Business	5

Speech (select 3-5 credits)

SPE 101	Speech Essentials or	3
SPE 110	Communication Behavior or	3
SPE 260	Multicultural Communication	5
Subtotal		17-21

Approved Welding Lab Electives 6-10 credits 6-10

Total Credits Required 116-124

*These are a variable credit class, but the maximum number of credits is required for a degree or certificate.

New Degree

Medical Assistant One-Year Certificate

Curriculum (First Year)*

Major Courses

AOT 115	Legal Aspects of the Medical Office	2
AOT 143	Administrative Medical Assistant Office Procedures	5
AOT 147	Medical Terminology	5
AOT 155	Introduction to Coding	4
MA 111	Pharmacology I	5
MA 114	Human Body Structure, Function, and Diseases I	4
MA 115	Clinical Procedures Theory I	4
MA 1151	Clinical Procedures Lab I	4
MA 141	Career Development for Medical Assistants	2
MA 211	Pharmacology II	5
MA 214	Human Body Structure, Function, and Diseases II	4
MA 215	Clinical Procedures Theory II	4
MA 2151	Clinical Procedures Lab II	4
MA 241	Externship Seminar	1
MA 2413	Externship	6
Subtotal		59

Major Support

PSY 101	General Psychology	5
Subtotal		5

General Education

No requirements		
Subtotal		0
Total Credits Required		64

*Students who complete only the One-Year Certificate may be able to license as a Category E Health Care Assistant (WAC 246-826-170).

New Degree

Associate of Applied Science-Medical Assistant

Curriculum (First and Second Year)**

Major Courses

AOT 115	Legal Aspects of the Medical Office	2
AOT 143	Administrative Medical Assistant Office Procedures	5
AOT 147	Medical Terminology	5
AOT 155	Introduction to Coding	4
MA 111	Pharmacology I	5
MA 114	Human Body Structure, Function and Diseases I	4
MA 115	Clinical Procedures Theory I	4
MA 1151	Clinical Procedures Lab I	4
MA 141	Career Development for Medical Assistants	2
MA 211	Pharmacology II	5

MA 214	Human Body Structure, Function, and Diseases II	4
MA 215	Clinical Procedures Theory II	4
MA 215	Clinical Procedures Lab II	4
MA 241	Externship Seminar	1
MA 2413	Externship	6
	Subtotal	59

Major Support

PSY 101	General Psychology	5
---------	------------------------------	---

Electives (select 15 credits)

+100	Humanities, Social Science, Behavioral Science, or Natural Science Distribution List	15
	Subtotal	20

General Education

ENG 101	English Composition	5
MTH 100+	MTH 100 or above	5
SPE 101	Speech Essentials or	3
SPE 102	Speech Essentials	5
	Subtotal	13-15

Total Credits Required 92-94

***Students who complete the Associate of Applied Science may be able to license as a Category F Health Care Assistant (WAC 246-826-180).*

New Degree

Operating Room Aide One-Year Certificate

PROFESSIONAL TECHNICAL

Major Courses

SRGT 101	Intro to Surgical Technology	4
SRGT 101	Intro to Surgical Technology Lab	2
SRGT 102	Disease Transmission and Control	3
SRGT 103	Ethics and Professionalism	2
SRGT 110	Operating Room Aide	3
SRGT 110	Operating Room Aide Lab	2
	Subtotal	16

Major Support

BIO 221	Anatomy and Physiology I	4
BIO 2211	Anatomy and Physiology I Lab	2
BIO 222	Anatomy and Physiology II	4
BIO 2221	Anatomy and Physiology II Lab	2
AOT 147	Medical Terminology	5
MA 111	Pharmacology I	5
	Subtotal	21

General Education

ENG 101	English Composition	5
MTH +100	Above Math 100	5
SPE 101	Speech Essentials or	3
SPE 102	Speech Essentials	5
	Subtotal	13-15

Total Credits Required 50-52

New Degree

Associate of Applied Science in Surgical Technology

PROFESSIONAL TECHNICAL

Major Courses

SRGT 101	Intro to Surgical Technology	4
SRGT 1011	Intro to Surgical Technology Lab	2
SRGT 102	Disease Transmission and Control	3
SRGT 103	Ethics and Professionalism	2
SRGT 110	Operating Room Aide	3
SRGT 1101	Operating Room Aide Lab	2
SRGT 120	Central Service	1
SRGT 1201	Central Service Clinical	1
SRGT 130	Human Anatomy for the Surgical Technician	4
SRGT 1301	Human Anatomy for the Surgical Technician Lab	2
SRGT 1411	Operating Room Practicum I	6
SRGT 150	Surgical Procedures I Lecture	4
SRGT 1501	Surgical Procedures I Lab	2
SRGT 160	Perioperative Patient Care	2
SRGT 1601	Perioperative Patient Care Lab	1
SRGT 240	Surgical Seminar	3
SRGT 2411	Operating Room Practicum II	10
SRGT 250	Surgical Procedures II Lecture	4
SRGT 2501	Surgical Procedures II Lab	2
	Subtotal	58

Major Support

BIO 221	Anatomy and Physiology I	4
BIO 2211	Anatomy and Physiology I Lab	2
BIO 222	Anatomy and Physiology II	4
BIO 2221	Anatomy and Physiology II	2
AOT 147	Medical Terminology	5
MA 111	Pharmacology I	5
	Subtotal	21

General Education

ENG 101	English Composition	5
MTH +100	Above Math 100	5
PSY 101	General Psychology	5
SPE 101	Speech Essentials or	3
SPE 102	Speech Essentials	5
	Subtotal	18-20

Total Credits Required 97-99

Class Descriptions

New Class

NRS 222

Professional Issues I 1

One credit class providing an overview of nursing management and leadership, legal issues in nursing, job search, nursing delivery systems, and role transition issues related to moving from a nursing student to a professional nursing practice. Prerequisites: Concurrent enrollment in NRS 221 and NRS 2211.

New Class

NRS 232

Professional Issues II..... 1

One credit class providing an overview of contemporary health care, regulations of Registered Nurse practice, collective bargaining, conflict management, safety in the workplace and boundary issues for professional nurses. Prerequisites: Concurrent enrollment in NRS 231 and NRS 2311.

Credit Change

NRS 2351

Nursing Trends Lab 1

Credit changed from 2 to 1.

A campus laboratory experience designed to allow the Nursing student time to gain proficiency in Nursing skills before actual practice in the hospital setting. Students enrolled in the Nursing Program register for this class each quarter. Pass/Fail class. Prerequisite: Enrollment in the Nursing Program.

New Class

AMT 120

Basic Electrical & Electronics 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of automotive electrical and electronic systems. This includes examining and understanding basic electrical principles and how malfunctions affect electrical systems. Service and repair techniques are also covered. Prerequisites: AMT 110 and AMT 1101.

New Class

AMT 1201

Basic Electrical & Electronics Lab 5

Lab to be taken concurrently with AMT 120.

New Class

AMT 123

Brakes/Suspension I 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of automotive brake, steering, and suspension systems. The emphasis will be on the mechanical portion of those systems. Prerequisites: AMT 120 and AMT 1201.

New Class

AMT 1231

Brakes/Suspension I Lab 5

Lab to be taken concurrently with AMT 123.

New Class

AMT 130

Engine Performance 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of automotive engine performance systems. Emphasis will be on basic engine performance related to engine diagnosis, ignition systems, fuel delivery, emission systems and routine maintenance. Prerequisites: AMT 123 and AMT 1231.

New Class

AMT 1301

Engine Performance Lab 5

Lab to be taken concurrently with AMT 130.

New Class

AMT 133

Engine Repair and Rebuild 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of internal engines. Students will study the operation of an internal combustion engine with an emphasis on failure analysis. Upon completing an engine rebuild the learner will do hot run engine dynamometer diagnostic tests. Prerequisites: AMT 130 and AMT 1301.

New Class

AMT 1331

Engine Repair and Rebuild Lab 5

Lab to be taken concurrently with AMT 133.

New Class

AMT 1402

Automotive Internship 7

This summer internship program is designed to prepare the student for actual shop employment. Students will be required to spend a minimum of eight weeks (340 hours) working in an automotive repair facility gaining experience with genuine automotive shop working conditions. This "hands-on" practice will enable the student to be more prepared for their second year advanced studies and will allow them to have verifiable "employed" experience when searching for employment at completion of the second year. The internship work site must be instructor approved. Prerequisites: AMT 133 and AMT 1331, ENG 103, and Speech.

New Class

AMT 220

Advanced Electrical & Electronics 2

This combination class/lab is designed to give the student a highly developed understanding of the theory, diagnosis and service of the advanced automotive electrical and electronic operating systems. Prerequisite: AMT 1402.

New Class

AMT 2201

Advanced Electrical & Electronics Lab 5

Lab to be taken concurrently with AMT 220.

New Class

AMT 223

Brakes/Suspension II. 2

This combination class/lab is designed to give the student a highly developed understanding of the theory, diagnosis and service of the advanced steering, suspension, and brake systems, with a heavy emphasis on the electronic side of those systems. Prerequisites: AMT 220 and AMT 2201.

New Class

AMT 2231

Brakes/Suspension II Lab. 5

Lab to be taken concurrently with AMT 223.

New Class

AMT 230

Automatic Transmission 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of automotive automatic transmissions. This includes the complete rebuild of an automatic transmission and the understanding of the internal hydraulic, electrical and mechanical operations. Prerequisites: AMT 223 and AMT 2231.

New Class

AMT 2301

Automatic Transmission Lab 4

Lab to be taken concurrently with AMT 230.

New Class

AMT 233

Manual Transmission 2

This combination class/lab is designed to give the student a basic understanding of the theory, diagnosis and service of automotive manual transmissions. The student will rebuild a manual transmission and gain knowledge of internal gear transfer paths. In addition, study of clutches, drive axles, and differentials will round out this course of study. Prerequisites: AMT 230 and AMT 2301.

New Class

AMT 2331

Manual Transmission Lab 5

Lab to be taken concurrently with AMT 233.

New Class

AMT 2401

Drivability Diagnostics Lab. 5

Lab to be taken concurrently with AMT 240.

New Class

AOT 115

Legal Aspects of the Medical Office 2

An introduction of the basic American legal system, the physician-patient relationship, the medical record and its uses; informed consent; licensure, certification and registration; the basic laws protecting patient information including knowledge of HIPAA regulations and how they pertain to the Medical Assistant. Recommended prerequisite: Internet proficiency.

New Class

AOT 143

Administrative Medical Assistant Office

Procedures. 5

This course will help define the front office roles and responsibilities of an administrative medical assistant. Major topics covered are a history of the profession, patient education, performing administrative office duties including reception, introductory level book-keeping and billing, and externship requirements materials.

New Class

AOT 155

Introduction to Coding 4

Introduction to medical coding concepts, methods, and guidelines using the International Classification of Diseases 9th Edition (ICD-9-CM), and Current Procedural Terminology (CPT). Prerequisite: Medical Terminology 147 with a minimum 2.0.

New Class

AOT 241

Externship Seminar..... 1

This course is to be taken concurrently with the externship MA 2413 for medical assistants. The seminar will provide current information regarding workplace issues, technologies, and advancements in health care pertinent to the externship experience. Students will be engaged in discussions based on their experiential learning opportunities within the externship. Prerequisite: successful completion of all other medical assistant courses with a GPA of 2.0 or higher.

New Class

AOT 2411

Externship 8

This class provides an opportunity to apply the theory learned in the classroom setting to a health care setting through practical, hands-on experience.

Title Change

BIO 105

Cell Biology for Allied Health [M/S] 4

The structure and function of the cell covering the levels of organic complexity from molecules to tissues. The use of models, microscope slides and physiological experiments illustrate cellular structure and function. Strongly recommend: High school chemistry or CHM 100/CHM 1001 or CHM 101/CHM1011. This course does not satisfy the prerequisite for BIO 112 or BIO 113.

Title Change

BIO 1051

Cell Biology for Allied Health Lab [M/S] 1

Lab to be taken concurrently with BIO 105.

Added Class

BIO 1481

Plant Identification Lab [M/S]..... 2

Lab to be taken concurrently with BIO 148.

New Class

CHM 2867

Undergraduate Research, Special Topics . . . 1-3

Designed for students who want to expand their knowledge of chemistry beyond the basics offered in their regular courses. By arrangement with the instructor, the student can pursue a special topic of interest, design and carry out a project, or participate in undergraduate research (either alone or with other students). Prerequisite: Chemistry 101/1011 with a grade of 2.0 or higher, or high school chemistry with a grade of B or better. Instructor's permission is also required to enroll. Note: credits earned in this course cannot be used as a substitute for required credits in other CBC chemistry courses.

New Class

CHM 2868

Undergraduate Research, Special Topics . . . 1-3

Designed for students who want to expand their knowledge of chemistry beyond the basics offered in their regular courses. By arrangement with the instructor, the student can pursue a special topic of interest, design and carry out a project, or participate in undergraduate research (either alone or with other students). Prerequisite: Chemistry 101/1011 with a grade of 2.0 or higher, or high school chemistry with a grade of B or better. Instructor's permission is also required to enroll. Note: credits earned in this course cannot be used as a substitute for required credits in other CBC chemistry courses.

New Class

CHM 2869

Undergraduate Research, Special Topics . . . 1-3

Designed for students who want to expand their knowledge of chemistry beyond the basics offered in their regular courses. By arrangement with the instructor, the student can pursue a special topic of interest, design and carry out a project, or participate in undergraduate research (either alone or with other students). Prerequisite: Chemistry 101/101.1 with a grade of 2.0 or higher, or high school chemistry with a grade of B or better. Instructor's permission is also required to enroll. Note: credits earned in this course cannot be used as a substitute for required credits in other CBC chemistry courses.

Title Change

CS 206

Database Design

An advanced course designed to help students understand concepts including: SQL, integrity constraints, relational database design, normalization, and physical database design. Students also gain hands-on experience using Microsoft Access. Prerequisites: CS 106, MTH 95, and/or instructor's permission. All prerequisites must be passed with a 2.0 or better before taking this class.

Credit Change

DHYG 113

Clinical Dental Hygiene Techniques I..... 2

Introduces basic principles used in the practice of dental hygiene, including infection control, patient assessment and treatment. Prerequisites: Acceptance and enrollment in the CBC Dental Program. Required concurrent enrollment in DHYG 1131.

Credit Change

DHYG 221

Community Oral Health 1 2

Examines the principles of community health, including: Assessment indices planning, implementation, and evaluation of health care, with an emphasis on oral health. Builds on knowledge of ethics, basic and dental sciences, and clinical dental hygiene practice. Provides the knowledge to function in a community oral health setting. Prerequisite: Concurrent enrollment in DHYG 2211. Due to the nature of the program curriculum, each quarter builds on the knowledge and skills gained in previous quarters. Continuing enrollment is contingent upon successful completion of quarterly Dental Hygiene Program courses.

Credit Change

ENG 090

Writing Express1-3

An intensive composition course designed to prepare students for college reading and writing. Successful completion of this course will make the student eligible for English 101. Prerequisite: ENG 98 or an ASSET score between 39-42.

New Class

ENT 274

Architectural Residential Drawing 2

A drafting and design course covering architecture residential drawings and the organization of drawing sets incorporating design projects. Prerequisite: ENT 267.

New Class

ENT 281

Micro Station I for the Autocad User 2

This course utilizes MicroStation for computer-aided drafting (CAD). The course is designed for the beginning CAD user who wants to transfer existing AutoCAD knowledge to MicroStation skills.

New Class

ENT 282

Micro Station II for the Autocad User 2

This course utilizes MicroStation for computer-aided drafting (CAD). The course is designed for the beginning CAD user who wants to transfer existing AutoCAD knowledge to MicroStation skills.

New Class

ENT 2741

Architectural Residential Drawing Lab 1

This course is offered to complement the ENT 274 course. Students must be concurrently enrolled in ENT 274.

New Class

ENT 2811

Micro Station I for the Autocad User Lab 1

This course is offered to complement the ENT 281 course. Students must be concurrently enrolled in ENT 281.

New Class

ENT 2821

Micro Station II for the Autocad User Lab 1

This course is offered to complement the ENT 282 course. Students must be concurrently enrolled in ENT 282.

New Class

LIT 275

The Lord of the Rings 5

Students will study J.R.R. Tolkien's trilogy and Peter Jackson's films, analyzing their literary, theological and philosophical elements. Students will be reading the novels in their entirety over the course of the quarter. Prerequisite: ENG 101 or concurrent enrollment in ENG 101.

New Class

LIT 280

Gay and Lesbian Studies [H] 5

An introduction to interdisciplinary field of lesbian/gay/bisexual/transgender studies from a historical and multicultural perspective. Readings from fiction, poetry, autobiography, history, essays, plays and film/television will be used to understand connections between sexual orientation and the humanities. Distribution on AA, AST, degrees.

New Class

MA 111

Pharmacology I 5

This class will provide a basic knowledge of the language of pharmacology, including: reading, interpreting, and documenting medication orders; systems of measurement and conversions; measuring medications for administration; calculating dosages and solutions; routes of administration; and injection techniques. Prerequisite: MTH 82 or ASSET score of MTH 83.

New Class

MA 114

Human Body Structure, Function, and Diseases I 4

This is the first of two structure and function classes introducing cellular function, organ systems of the body, the anatomy and physiology of the integumentary, skeletal, muscular, nervous, endocrine systems, the senses and the blood, and the common diseases and their pathology of each of these body systems. Prerequisite: AOT 147.

New Class

MA 115

Clinical Procedures Theory I 4

This class provides a theoretical foundation in medical asepsis and infection control, vital signs, phlebotomy, the medical record, physical agents to promote tissue healing, radiology, sterilization and disinfection, minor office surgery, eye and ear assessment and procedures, the physical examination, and hematology.

New Class

MA 141

Career Development for Medical Assistants .. 2

This class will cover professionalism in a medical office, successful job search, interview techniques, the importance of networking, and how to be successful on the job.

New Class

MA 211

Pharmacology II 5

This is the second of two Pharmacology classes. This class includes the administration of medication including: safety and quality assurance, enteral, percutaneous, and parenteral routes of medication, medication for multi-system application, and medications related to body systems. Prerequisite: MTH 82 or ASSET score of MTH 83.

New Class

MA 214

Human Body Structure, Function, and Diseases II 4

This is the second of two structure and function of the body classes and includes the circulatory system, lymphatic system and immunity, the respiratory system, the digestive system, nutrition and metabolism, the urinary system, fluid and electrolyte balance, acid-base balance, the reproductive system, and growth and development, and the common diseases and their pathology of each of these body systems. Prerequisite: AOT 147.

New Class

MA 215

Clinical Procedures Theory II 4

This class provides a theoretical foundation for the gynecological exam and prenatal care pediatric exam, cardiopulmonary procedures, colon, procedures, introduction to the clinical laboratory, urinalysis, phlebotomy, hematology, blood chemistry and serology, medical microbiology, and office emergencies.

Replaced

MA 1151

Clinical Procedures Lab I 4

Replaced HCA 1151.

This lab class provides for a practice in basic patient exam techniques/procedures/lab tests commonly performed in the physician's office or clinic. Lab to be taken concurrently with MA 115.

Replaced

MA 2151

Clinical Procedures Lab II..... 4

Replaced HCA 2151.

This class provides for a practice in basic patient exam techniques/procedures/lab tests commonly performed in the Provider's office or clinic. Lab to be taken concurrently with MA 215.

New Class

MA 241

Externship Seminar..... 1

This course is to be taken concurrently with the externship for medical assistants. The seminar will provide current information regarding workplace issues, technologies, and advancements in health care pertinent to the externship experience. Students will be engaged in discussions based on their experiential learning opportunities within the externship.

New Class

MA 2413

Externship 6

This class provides an opportunity to apply the theory learned in the classroom setting to a health care setting through practical, hands-on experience.

Left out of Catalog

MTH 109

Trigonometric Tools for Vocational

Applications 2

The third course of a three quarter sequence designed to introduce the vocational student to the tools necessary to solve mathematical problems applicable to the student's trade. Topics include trigonometric functions, emphasis on right angle triangles; law of sines; law of cosines; solving oblique triangles; and vectors. Prerequisite: 2.0 or better in MTH 102.

Credit Change

NA 100

Nursing Assistant..... 4

Change credits from 10 to 4.

This course leads to the ability of those completing the course to become Nursing Assistant Certified. The course covers communication and interpersonal skills, infection control, safety and emergency procedures, promoting resident independence, respecting resident rights, basic nursing skills, personal care skills, mental health and social services needs, care of the cognitively impaired resident, basic restorative care, resident rights, HIPAA, First Aid and CPR for the health care provider, HIV/AIDS, dementia, and cultural awareness. Students will be required to demonstrate skills associated with each of the course subjects within the laboratory or clinical setting.

New Class

NA 1001

Nursing Assistant Lab..... 4

This course provides the skills laboratory and clinical requirements for the Nursing Assistant lecture course. The student will be involved in on-campus learning laboratory experiences as well as clinical rotations within community health facilities.

New Class

NDT 101

Basic NDT Theory in VT, PT, & MT. 5

An introductory level study of non destructive testing, welding codes and standards as applied in the construction trades and maintenance repair programs. Includes discussion of NDE techniques, AWS, API inspection standards, ASME Sections V and IX codes and introduces their use. The training will follow SNT-TC-1A format for Visual Testing Level I (VT-I), Magnetic Particle Testing Level I (MT-I) and Penetrant Testing Level I (PT-I). Upon completion of this course, the student should be able to minimally identify proper welding codes, follow inspection procedures and be able perform Level I NDE for the three techniques VT, PT and MT.

New Class

NDT 102

Basic Ultrasound & Radiographic Testing. 5

An entry level course on ultrasonic and radiographic testing, techniques as applied in the construction trades and maintenance repair programs. This is a course for individuals with little or no experience in ultrasonic and radiographic testing. The course is divided into two parts, ultrasonic and radiographic testing. The course covers ultrasonic and radiographic theory, applications, inspection procedures, training standards, evaluation codes, interpretation of results and instrument operation. Includes discussion of NDE techniques, AWS, API inspection standards, ASME Sections V and IX codes and introduces their use. The class outline will generally follow SNT-TC-1A format for Ultrasonic Testing Level I (UT-I) and Radiographic Testing Level I (RT-I).

New Class

NRS 102

Pharmacology. 1

This class will supplement, review and reinforce information provided on pharmacology of drugs that have been covered in Nursing I, II, III, and IV. Students will review drug classifications and pharmacological principles associated with medication administration, while relating this information to a corresponding patient diagnosis as well as understanding the related nursing implications. Students will also be challenged with medication calculations throughout the course of the program. Prerequisites: current enrollment in NRS 211 and NRS 2111.

New Class

SPE 220

Basic Mediation Training 5

This course will include a variety of approaches and theoretical foundations for skillful dispute resolution. Students will develop communication skills appropriate for the practice of conflict management and resolution through role-play and the process of mediation. The focus will be on developing a working knowledge of basic mediation skills and understanding how conflict arises and how the resulting disputes can be identified and analyzed in the resulting conflict cycle. Successful completion of this course will fulfill the basic requirement necessary to become a certified mediator in Washington state.

Credit Change

SPE 246

Oral Interpretation 5

Change from 3 credits to 5 credits.

Students are taught to use their voices more effectively for character interpretation and presentation. Demonstrations, class exercises, and oral reading assignments are employed.

New Class

SRGT 101

Intro to Surgical Technology. 4

This class is an introduction to the knowledge and techniques essential to the surgical technician in preparation for a surgical procedure. Areas of emphasis will include expertise in preparation/utilization of equipment and supplies, sterilization and disinfection, aseptic techniques, instrumentation, surgical accessories and duties of the surgical technologist, working as a member of the surgical team.

New Class

SRGT 102

Disease Transmission and Control 3

This class will provide the student of surgical technology an understanding of the basic concepts of microbiology as related to surgical procedures and overall patient safety, and proper application in the operating room environment as identified in the core curriculum for surgical technologists.

New Class

SRGT 103

Ethics and Professionalism 2

This class will provide the student of surgical technology an understanding of the necessary ethical and legal background to address ethical dilemmas, participate in the functioning of organizational ethical issues and ethics committees, ethical and legal concepts, and the law as related to every aspect of the decision-making process in the health care setting, and resolving ethical conflicts and dilemmas.

New Class

SRGT 110

Operating Room Aide. 3

This class will teach the essential knowledge to help the student build a sound foundation to be a part of the operating room team.

New Class

SRGT 120

Central Service 1

This class will provide the student of surgical technology an understanding of the necessary aseptic and sterile techniques necessary to perform the essential job duties of central processing personnel.

New Class

SRGT 130

Human Anatomy for the Surgical Technician. . 4

This class will provide students with applicable surgical knowledge necessary to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment.

New Class

SRGT 150

Surgical Procedures I Lecture. 4

This class will provide students the knowledge necessary to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment.

New Class

SRGT 160

Perioperative Patient Care 2

This class is designed to teach the peri-operative responsibilities as they relate to patient safety, and code of conduct.

New Class

SRGT 240

Surgical Seminar 3

This course is to be taken concurrently with the Operating Room Practicum II for Surgical Technologists. The seminar will provide current information regarding workplace issues, technologies, and advancements in health care pertinent to the practicum experience. Students will be engaged in discussions based on their experiential learning opportunities within the practicum.

New Class

SRGT 250

Surgical Procedures II Lecture 4

This class is a progression from SRGT 150.0, and will provide students the necessary skills, and techniques to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment. Clinical experience focuses on the advanced skills that will assist the student to transition from the classroom to employment.

New Class

SRGT 1011

Intro to Surgical Technology Lab. 2

This class is an introduction to the knowledge and techniques essential to the surgical technician in preparation for a surgical procedure. Areas of emphasis will include expertise in preparation/utilization of equipment and supplies, sterilization and disinfection, aseptic techniques, instrumentation, surgical accessories and duties of the surgical technologist, working as a member of the surgical team.

New Class

SRGT 1101

Operating Room Aide Lab. 2

This class will teach the essential knowledge necessary to build a sound foundation to function as an operating room aide.

New Class

SRGT 1201

Central Service Clinical. 1

This class will provide the student of surgical technology the essential aseptic and sterile skills necessary to perform the essential job duties of central processing personnel.

New Class

SRGT 1301

Human Anatomy for the Surgical Technician

Lab 2

This class will provide students with applicable surgical knowledge necessary to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment.

New Class

SRGT 1411

Operating Room Practicum I 6

This class provides an opportunity to apply the theory learned in the classroom setting to a health care setting through practical, hands-on experience.

New Class

SRGT 1501

Surgical Procedures I Lab 2

This class will provide students the skills necessary to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment.

New Class

SRGT 1601

Perioperative Patient Care Lab 1

This class will provide the student of surgical technology the fundamental skills of peri-operative case management.

New Class

SRGT 2411

Operating Room Practicum II. 10

This class is a progression from SRGT 150, and will provide students the necessary skills to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations in the operating room environment. Clinical experience focuses on the advanced skills that will assist the student to transition from the classroom to employment.

New Class**SRGT 2501****Surgical Procedures II Lab..... 2**

This class is a progression from SRGT 150.1, and will provide students the necessary knowledge to be able to relate to the patient and coworkers and use reasoned judgment in meeting the expectations of the operating room environment. Clinical experience focuses on the advanced skills that will assist the student to transition from the classroom to employment.

Credit Change**WT 1021****Intro to Shield Metal Arc Welding 10**

Increase credits to 10.

An introduction to mild steel arc welding, consisting of manipulative skills using the shield metal arc process with E6010 type mild steel electrode. Prerequisite: ASSET test placement with a math minimum of 32 and a reading minimum of 35 or instructor's permission.

Credit Change**WT 1031****Advanced Shield Metal Arc Welding 10**

Increase credits to 10.

This course will develop welding skills to meet AWS and ASME standards using the shielded metal arc process. Prerequisite: WT 1021 or instructor's permission.

Credit Change**WT 1041****Shield Metal Arc Welding Certification 10**

Increase credits to 10.

Advanced development of arc welding skills to meet AWS, WABO and ASME certification standards using the shielded metal process. Prerequisite: WT 1031 or instructor's permission.

Credit Change**WT 2011****Intro to Pipe Welding 10**

Increase credits to 10.

An introduction to Pipe Welding using mild steel pipe and the shield metal arc process with E6010 covered electrode. Develop the necessary welding skills and techniques to prepare for certificate in accordance with ASME code. Prerequisite: WT 1041, 1051, or instructor's permission.

Credit Change**WT 2021****Gas Tungsten Arc Welding..... 10**

Increase credits to 10.

This course is designed for the welding of plate and pipe using the Gas Tungsten Arc Welding (GTAW) process. Instruction will stress developing proper manipulative techniques and skills necessary to certify using the GTAW process. Prerequisite: WT 2011 or instructor's permission.

Credit Change**WT 2031****Pipe Welding Certification..... 10**

Increase credits to 10.

This course is designed for the welding of plate and pipe using the GAS Tungsten Arc Welding (GTAW) process. Instruction will stress developing proper manipulative techniques and skills necessary to certify using the GTAW process. Prerequisite: WT 2011 or instructor's permission.

Prefix changes to Fire Science and Nursing programs

5/26/05

OLD DEPT ABBR	OLD CRS NO	TITLE	NEW DEPT ABBR	NEW CRS NO
FS	251	FIREFIGHTER LEVEL I ACADEMY	FCA	251
FS	261	FIREFIGHTER LEVEL II ACADEMY	FCA	261
NRS	2351	NURSING TRENDS LAB	NRS	1351
ADN	211	NURSING IV	NRS	211
ADN	2111	NURSING IV LAB	NRS	2111
ADN	221	NURSING V	NRS	221
ADN	2211	NURSING V LAB	NRS	2211
ADN	222	PROFESSIONAL ISSUES I	NRS	222
ADN	231	NURSING VI	NRS	231
ADN	2311	NURSING VI LAB	NRS	2311
ADN	232	PROFESSIONAL ISSUES II	NRS	232
ADN	2351	NURSING TRENDS LAB	NRS	2351
PHAR	101	BASIC PHARMACOLOGY	NRS	101
PN	141	PRACTICAL NURSING	NRS	141
PN	1411	PRACTICAL NURSING LAB	NRS	1411
PN	151	ADVANCED PLACEMENT	NRS	151

Non Discrimination Statement

Columbia Basin College complies with the spirit and letter of state and federal laws, regulations and executive orders pertaining to civil rights, equal opportunity and affirmative action. CBC does not discriminate on the basis of gender, race, national origin, religion, age marital status, physical, mental or sensory disability, sexual orientation or Vietnam veteran status in its educational programs or employment. Questions may be referred to Camilla Glatt, Affirmative Action Officer, (509) 547-0511, ext. 2348.

Disability Statement

Individuals with disabilities are encouraged to participate in all college sponsored events and programs. If you have a disability and require an accommodation, please contact the CBC Resource Center, (509) 547-0511, ext. 2252, or TTY/TDD at (509) 546-0400. This notice is available in alternative media by request.

Limitation of Liability

The College's total liability for claims arising from a contractual relationship with the student in any way related to classes or programs shall be limited to the tuition and expenses paid by the student to the College for those classes or programs. In no event shall the College be liable for any special, indirect, incidental, or consequential damages, including but not limited to, loss of earnings or profits.

Contents

College Information 2

Programs & Requirements 2

Class Descriptions 7

**Prefix changes to Fire Science
and Nursing programs 14**