

High School Dual Credit/Enrollment Course Offerings Fall 2009 – Spring 2010

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Note: Students may take any college-level course that Parkland offers (i.e. ENG, PSY, SOC) as long as the student meets the prerequisites for the course. See “Recommended Courses for High School Students” (gold booklet)

**Parkland College
High School Dual Credit Course Offerings**

Business & Agri-Industries Department

Fall 2009 – Spring 2010

Students interested in enrolling in Business and Agri-Industries courses should contact the Business and Agri-Industries Department at 217/351-2213 or www.parkland.edu/bai for further information on courses that are being offered on campus and online.

**Parkland College
High School Dual Credit Course Offerings**

**Engineering Science and Technologies Department
AYES Track**

Fall 2009

Time: 7:30 – 9:30 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
AFD 153	AFD 253	AFD 153	AFD 253	AFD 153

AFD 153 – Brake Systems **3- 2 -4**

Hydraulic brake systems on passenger vehicles and light trucks; disc, drum, biasing valves, and power boosters; use of lathes and other special tools; and ABS.

AFD 253 – Wheel Alignment, Steering, and Suspension **2- 2 -3**

Wheel alignment equipment, setup, and adjustment; suspension systems components and service; steering gears, power steering; MacPherson strut, front-wheel drive, and four-wheel alignment. Wheels, tires, and balancing will also be covered.

Spring 2010

Time: 7:30 – 9:30 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
AFD 132	AFD 290	AFD 132	AFD 290	AFD 132

AFD 132 – Internal Combustion Engine Theory **2- 4-4**

Application of theory and laboratory situations pertaining to present-day power plants; engine operation, construction, disassembly, precision measuring, machining, and reassembly.

Successful completion of this course satisfies AFD 114 program requirement. Credit not given for both AFD 114 and AFD 132

AFD 290 – Engine Performance and Chassis Repair Service Operations **2-2-3**

Simulation of automotive repair facility environment, chassis repair, engine testing, and customer relations. *Prerequisites: AFD 132, AFD 153, AFD 253 or approval of instructor or department chair.*

**Parkland College
High School Dual Credit Course Offerings**

Computer Science & Information Technology

Fall 2009

Time: 8:00-9:35 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
CIS 122	CIS 137	CIS 122	CIS 137	CIS 122

CIS 122 Introduction to Computer Programming 3-2-4

Introduction to logic and fundamental programming concepts using a common computer language with emphasis on syntax and structure. Design tools such as structured flowcharts and pseudocode. For students in science, mathematics, or technical programs. *Prerequisite: MAT 095 or equivalent.*

CIS 137 Operating System Concepts 3-0-3

Introduction to microcomputer operating systems. File management, disk organization, memory resource management, system configuration, and disk maintenance.

Spring 2010

Time: 8:00-9:35 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
CSC 133	CSC 130	CSC 133	CSC 130	CSC 133

CSC 130 Introduction to Computer Networks 2-2-3

Introduction to local area networks, wide area networks and the Internet; including hardware, software, terminology, components, design, and connections of a network, and topologies and protocols for LANs. Listed objectives for Comptia Network+ Certification Exam. *Prerequisite: CIS 137 or approval of department chair.*

CSC 133 PC Hardware and OS Maintenance 3-2-4

Technical emphasis; operating systems most commonly used on IBM compatible computers; MS-Windows; issues related to computer networks and computer architecture. Listed objectives for Comptia A+ Operating System and Core Hardware Certification Exam covered. *Prerequisite: CIS 137 or approval of department chair.*

**Parkland College
High School Dual Credit Course Offerings**

Engineering Science and Technologies Department

Construction

2-Year repeating cycle of courses – students may enter at any semester

YEAR 1: FALL 2009

	Monday	Tuesday	Wednesday	Thursday	Friday
	CIT 170	BGM 111	CIT 170	BGM 111	CIT 170
Start	7:40am	7:40am	7:40am	7:40am	7:40am
End	9:30am	8:30am	9:30am	8:30am	9:30am

CIT 170 Orientation to the Skilled Trades I 1-4-2

Introduces skills used in heavy and highway carpentry, including hands-on skills such as tool usage and blueprint reading. Also job readiness skills such as team building, problem solving, and communication.

BGM 111 Concrete and Masonry 1-2-2

Instruction and demonstration in use of concrete and masonry hand tools. Concrete and masonry materials and proper placement methods.

YEAR 1: SPRING 2010

	Monday	Tuesday	Wednesday	Thursday	Friday
	CIT 130	CIT 115	CIT 130	CIT 115	CIT 130
Start	7:40am	7:40am	7:40am	7:40am	7:40am
End	9:30am	9:30am	9:30am	9:30am	8:30am

CIT 130 Construction Plan Fundamentals 2-3-3

Fundamentals of construction plan interpretation, manual drafting techniques, and industry drafting standards.

CIT 115 Rough Carpentry 2-2-3

Carpentry hand and power tools. Measurement, layout, and framing methods required in residential construction. Exterior finish carpentry and shingling required in residential construction will be covered by building a structure.

**Parkland College
High School Dual Credit Course Offerings**

Health Professions

FALL 2009 - 6 credits

Time: 7:30 a.m. - 9:30 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
**	HCS 154	HCS 154/112	HCS 112	HCS 112

HCS 112: Orientation to Health Careers **2-3-3**
 Duties and educational requirements of health care providers. Develop and practice skills required in all health occupation careers. Course is equivalent to Health Occupations at the high school level.

HCS 154: Medical Terminology **3-0-3**
 Building medical vocabulary, including learning to pronounce, spell, define, and analyze medical terms. *Credit not given for both HCS 154 and CIS 173.*

*** If desired, DTP 112 can also be included (see page 7) ***

SPRING 2010 - 6 credits

Time: 7:30 a.m. - 9:30 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
NAS 111	NAS 111	NAS 111	NAS 111	NAS 111

NAS 111: Nurse Assistant (CNA) **4-6-6**
 Preparation for giving specific nursing assistant care to clients in nursing homes, and other health care settings. Nursing assistant skills emphasized in such areas as hygiene, nutrition, elimination, communication, client transfer, and client safety. Upon successful completion of course, students are eligible to take the state certification exam.

Parkland requires a minimum number of students in each course. If that minimum number is not met, the course will be cancelled. The Dual Credit Office will notify students as soon as possible in the event the course is cancelled.

**Parkland College
High School Dual Credit Course Offerings**

Health Professions

FALL 2008 - 1 credit

Time: 8:00 a.m. - 8:50 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
DTP 112	**	**	**	**

DTP 112: Introduction to Dietetic Careers **1-0-1**

Focuses on a variety of traditional and nontraditional dietetic career paths, including clinical, community, food service, research, and food company settings.

*** If desired, HCS 112 and HCS 154 can be included (see page 6)*

SPRING 2009 - 6 credits

Time: 8:00 a.m. - 8:50 a.m.

Monday	Tuesday	Wednesday	Thursday	Friday
DTP 150	DTP 106	DTP 150	DTP 106	DTP 150

DTP 106: Cultural Foods **3-0-3**

Study of how foods and culture affect customs and habits. Examines how food patterns, availability, and nutritional status affect cultural traditions.

DTP 150: Nutrition and Diet Therapy **3-0-3**

Students will learn about basic nutrition and disease. Special emphasis will be on diet therapy and why modified diets are prescribed for specific disease states.

Parkland requires a minimum number of students in each course. If that minimum number is not met, the course will be cancelled. The Dual Credit Office will notify students as soon as possible in the event the course is cancelled.