

Appendix C

RECOMMENDATIONS FOR RELATED TECHNICAL CLASSROOM INSTRUCTION FOR HEALTH SERVICES YA OCCUPATIONAL SPECIALTY AREAS

These recommendations are intended to be used by the Local YA Consortium when determining appropriate related instruction for the specialty area selected. It is not all inclusive but should be used to assist the partnership with identification and/or development of course work that supports the work-based competencies as identified in the Skill Standards Checklist. As with all YA programs the consortium must ensure that the related instruction meets with the approval of their administration and school board.

OPERATIONAL NOTES

- Related Technical Classroom Instruction may be offered by the employer, within the school district, at another school district, at a Wisconsin Technical College, and/or at a Community College or University by instructors qualified according to the Youth Apprenticeship Program Operations Manual.
- Learning Objectives are the foundation for the related technical classroom instruction. Local programs may teach to those standards using locally developed coursework, however, statewide advanced standing and/or transcribed agreements will not apply. It is recommended then that local agreements be pursued. Statewide advanced standing and/or transcribed credit will be based on this Recommended Instruction list.
- A minimum of 180 hours (2 semesters) of related technical instruction is required for each Specialty Area.
- It is suggested that an Introduction to Health Care Careers and Delivery Systems class be provided as a pre-requisite for students interested in this youth apprenticeship. Additionally, students should complete their job shadow requirement prior to OR as early in the Health YA Program as possible.
- Courses chosen should coincide as much as possible to occupational program requirements if the student intends to continue in the Wisconsin Technical College System.
- Recommendations for this Appendix were obtained from Employer and YA Consortium/School District Coordinator input during YA Regional Meetings, Fall 2006, and through thorough analysis of WTCS Health Occupation Programs and Course requirements 2006-2007.

RECOMMENDED COURSE WORK TO ACHIEVE LEARNING OBJECTIVES
WTCS Statewide Aligned Courses
2006-2007

All recommended WTCS courses listed below have been cross-walked to the Health Services YA Curriculum. **SEE** the applicable “YA Plan of Study” below **AND** the applicable Technical College Program requirements to help plan for appropriate courses for the Health YA student to take.

THESE Courses are Aligned Statewide
EXCEPT 536-110 & 536-122

WTCS Number	WTCS Course Title	WTCS Credits	Prerequisites OR Concurrent
501-101	Medical Terminology	3	None
501-104	Principles of Customer Service in Healthcare	2	None
501-107	Introduction to Computing for Healthcare	2	None
501-308	Pharmacology for Allied Health	2	Medical Terminology Human Body in Health & Disease (509-302)
509-302	Human Body in Health and Disease	3	Medical Terminology
509-307	Medical Office, Insurance, and Finance	2	Medical Terminology Human Body in Health & Disease (509-302) Computers
509-309	Medical Law/Ethics/Professionalism	1	None
513-110	Basic Lab Skills	1	None
513-111	Phlebotomy	2	Basic Lab Skills (513-110)
513-113	QA/Laboratory Math	1	HS Chemistry OR equivalent
530-172	Health Care Delivery Systems	2	None
530-181	Intro to the Health Record	1	None
530-182	Human Diseases for the Health Professions	3	Medical Terminology General A&P OR Body Structure & Function OR Concurrent
536-110	Pharmaceutical Calculations	3	None- Shared Program Course NOT at MATC
536-122	Pharmacology for Pharmacists	2	None- Shared Program Course NOT at MATC
543-310	Video CNA Course	3	None
806-177	General Anatomy & Physiology	4	HS Chemistry- C or Better



Health Services Youth Apprenticeship (YA) Plan of Study

NAME: _____ DATE: _____

The Health Youth Apprenticeship Specialty Area sequence and Related Technical Instruction course selection and delivery are entirely within local consortium control. The recommendations listed below are only a suggested path of YA career planning and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements, as well as, college entrance requirements.

HIGHLY Recommended for ALL Health YA Specialty Areas

Educational Level	Grade	English/ Language Arts	Social Studies Social Sciences	Math	Science	Career Pathway Courses (Electives)	Recommended Enhancement Electives or Activities
Secondary	9	Oral Communications (Speech)			Biology	Health Computer Applications	
	10				Chemistry	Health Careers & Delivery Systems (WTCS 530-172)	Job-Shadowing (1) Healthcare Volunteer
	11				Anatomy & Physiology	Health Services Youth Apprenticeship - Level One – <ul style="list-style-type: none"> • Select One specialty area plus appropriate related instruction Recommended courses for 11 th or 12 th - - Medical Terminology (WTCS 501-01) - Anatomy & Physiology (WTCS 806-177) SEE Next Page for course listing choices for Specialty Areas	
	12				AP Biology AP Chemistry IF will pursue a 4 year health degree	Health Services Youth Apprenticeship - Level One, or Two – <ul style="list-style-type: none"> • Select One specialty area and appropriate related instruction SEE Next Page for course listing choices for Specialty Areas	

Recommended Choices for **SPECIFIC SPECIALTY AREAS** in Health YA

Educational Level	Health YA Specialty Area	Math	Science	Career Pathway Courses	NOTE
Secondary	HCF			Diagnostic: <ul style="list-style-type: none"> ▪ Basic Lab Skills (WTCS 513-110) ▪ Phlebotomy (WTCS 513-111) Informatics: <ul style="list-style-type: none"> ▪ Healthcare Computing (WTCS 501-107) ▪ Introduction to the Health Record (WTCS 530-181) Therapeutic: <ul style="list-style-type: none"> ▪ *CNA Course (WTCS 543-3XX) ▪ Healthcare Customer Service (WTCS 501-104) 	*CNA Course & Testing REQUIRED IF performing CNA tasks
	HIM	Computer Programming Statistics		<ul style="list-style-type: none"> ▪ Advanced Computer Applications ▪ Healthcare Computing (WTCS 501-107) ▪ Introduction to the Health Record (WTCS 530-181) ▪ Medical Office, Insurance, & Finance (WTCS 509-307) ▪ Human Diseases for the Health Professional (WTCS 530-182) 	
	MA			*CNA Course (WTCS 543-3XX) <ul style="list-style-type: none"> ▪ Healthcare Customer Service (WTCS 501-104) ▪ Human Body in Health & Disease (WTCS 509-302) ▪ Medical Law, Ethics, & Professionalism (WTCS 509-309) ▪ Phlebotomy (WTCS 513-111) ▪ Medical Office, Insurance, & Finance (WTCS 509-307) 	*CNA & Medical Terminology course REQUIRED
	NA			*CNA Course (WTCS 543-3XX) <ul style="list-style-type: none"> ▪ Healthcare Customer Service (WTCS 501-104) ▪ Introduction to the Health Record (WTCS 530-181) ▪ Medical Law, Ethics, & Professionalism (WTCS 509-309) 	*CNA Course REQUIRED
	PHARM		AP Chemistry	<ul style="list-style-type: none"> ▪ Healthcare Customer Service (WTCS 501-104) ▪ Basic Lab Skills (WTCS 513-110) ▪ QA/Laboratory Math (WTCS 513-113) ▪ Pharmaceutical Calculations (WTCS 536-110) ▪ Pharmacology (WTCS 536-122) ▪ Phlebotomy (WTCS 513-111) 	Recommended for Seniors ONLY

Post-Secondary Occupational Opportunities

The chart below shows examples of career ladders organized by pathway.

For additional career cluster information, visit www.careerclusters.org

For additional career information on a specific occupation, visit <http://wiscareers.wisc.edu/> or <http://worknet.wisconsin.gov/worknet/default.asp>

		High School Diploma, On-the-Job Training	Certificate / License (1 year or less college)	Associate's Degree (2 year college)	Bachelor's/Master's Degree (4 year college)	Doctoral/ Professional Degree
Health Science Pathways	Therapeutics and Direct Care	<ul style="list-style-type: none"> ▪ CNA▲ # ▪ Home Health Aide ▲ ▪ Pharmacy Technician ▪ Physical Therapy Aide ▲# 	<ul style="list-style-type: none"> ▪ Dental Assistant ▲ ▪ Emergency Medical Tech ▲ ▪ Licensed Practical Nurse ▲ ▪ Medical Assistant ▲ ▪ Pharmacy Technician 	<ul style="list-style-type: none"> ▪ Dental Hygienist ▲ ▪ Dietetic Technician ▲ ▪ Occupational Therapy Asst ▲ ▪ Optician ▲ ▪ Physical Therapy Asst ▲ ▪ Radiation Therapist ▲ ▪ Registered Nurse (ADN)▲ ▪ Respiratory Therapist ▲ ▪ Surgical Technician▲ ▪ Veterinarian Technician 	<ul style="list-style-type: none"> ▪ Clinical Nurse Specialist ▲ ▪ Dental Hygienist ▲ ▪ Dietician ▲ ▪ Nursing Administrator ▲ ▪ Nurse Practitioner ▲ ▪ Occupational Therapist ▲ ▪ Pharmacist + ▪ Physician's Assistant ▲ + ▪ Radiation Therapist ▲ ▪ Registered Nurse (BS)▲ ▪ Respiratory Therapist ▲ ▪ Speech Pathologist ▲ + 	<ul style="list-style-type: none"> ▪ Physical Therapist ▲ ▪ Physician ▲ ▪ Veterinarian ▲
	Diagnostics		<ul style="list-style-type: none"> ▪ Phlebotomy Technician 	<ul style="list-style-type: none"> ▪ Cardiovascular Technologist ▲ ▪ Clinical Lab Technician ▪ Electroneurodiagnostic Tech ▲ ▪ Histotechnologist ▲ ▪ Nuclear Medicine Technologist ▲ ▪ Radiologic Technician ▲ ▪ Ultrasound Technician▲ 	<ul style="list-style-type: none"> ▪ Audiologist ▲ + ▪ Clinical Lab Technician ▪ Cytotechnologist ▲ ▪ Histotechnologist ▲ ▪ Medical Technician ▲ ▪ Nuclear Medical Technician ▲ 	<ul style="list-style-type: none"> ▪ Geneticist ▲
	Health Informatics	<ul style="list-style-type: none"> ▪ Health Unit Coordinator ▪ Hospital Admitting Clerk ▪ Medical Receptionist ▪ Medical Records Clerk 	<ul style="list-style-type: none"> ▪ Health Unit Coordinator ▪ Medical Assistant ▲ ▪ Medical Coding Specialist ▪ Medical Office Specialist ▪ Medical Transcription 	<ul style="list-style-type: none"> ▪ Medical Administrative Specialist ▪ Medical Records Technician ▪ Medical Secretary ▪ Medical Transcription ▪ Health Information Tech ▲ 	<ul style="list-style-type: none"> ▪ Cyberlibrarian ▲ ▪ Health Care Administrator ▲ + ▪ Medical Records Administrator ▲ + 	

▲ Certification Required

H.S. + Nursing Assistant Course

+ Master's Degree

SOURCES: The National Consortium on Health Science & Technology Education, 2007; The Oklahoma Department of Career & Technology Education, 2007; Waukesha County Technical College (WCTC), Susan Maresh, Waukesha County School-to-Work, 2007.