

Michael Tunning D.C., ATC
Ohio State Chiropractic and Concussion

What is the current education a chiropractic physician possesses to be able to assess and clear concussed athletes?

The attached documents may assist in clarifying for the Ohio committee the depth of education chiropractors receive. It will show the types of courses our students take and the number of contact hours per subject matter. CCE Policy 3 (attached) from the 2012 CCE Standards (Meta-Competencies) outlines programmatic requirements in order to receive accreditation.

What should be the education requirements, experience and training a chiropractic physician needs to assess and clear concussed athletes?

This is a committee decision based on their assessment of chiropractic education in diagnosis and patient management. We believe our training is adequate. Faculty members regularly update materials, in all courses to remain evidence-based.

What policies should this committee adopt to bridge the current and future gaps in educational requirements?

This question assumes there is a gap between the first 2 questions that needs to be addressed. Possibilities may include requirements in continuing education to have concussion specific hours.

Palmer College Competencies for the Chiropractic Graduate:

CCE Competencies:

- History Taking
- Physical Examination
- Neuromusculoskeletal Examination
- The Psychosocial Assessment
- Diagnostic Studies
- Diagnosis or Clinical Impression
- Case Management
- Adjusting Competencies
- Emergency Care Competencies
- Case Follow-up and Review
- Record Keeping
- The Doctor-Patient Relationship
- Professional Issues
- Wellness
- Ethics and Integrity
- Non-adjustive Therapeutic Procedures

Additional clinical competencies identified by Palmer College:

- Nutrition
- Patient Education
- Business Management Issues
- Chiropractic History and Philosophy
- Information Literacy

Each of the competencies has associated with it a cognitive, an affective and a psychomotor component.

Curriculum Analysis - PCC

		<u>Contact Hours</u>	<u>Hours Completed by Student at PCC</u>
<u>Anatomy, including Embryology, Histology and Human Dissection</u>			
ANAT 51204	Neuroanatomy I	75	
	Spinal Anatomy I	45	
ANAT 51203	Gross Anatomy I	90	
	Embryology	45	
ANAT 52205	Gross Anatomy II	90	
	Spinal Anatomy II	60	
	Organ Histology	45	
ANAT 61208	Neuroanatomy II	75	
DIAG 71710	Physical Diagnosis	15	
TECH 52603	Palpation	30	
	Basic Science Review	30	
	Biomechanics	45	
		<u>645</u>	645
<u>Physiology (must include laboratory work)</u>			
	Cellular Physiology	75	
PHCH 52342	Endocrinology	45	
	Physiology I	60	
	Physiology II	75	
	Biomechanics	15	
		<u>270</u>	270
<u>Biochemistry, Clinical Nutrition, and Dietetics</u>			
PHCH 51331	Biochemistry I	75	
PHCH 52306	Biochemistry II	75	
PHCH 62307	Nutrition	45	
PHCH 72346	Clinical Nutrition	45	
DIAG 81719	Visceral Disorders	60	
		<u>300</u>	300
<u>Pathology, Bacteriology, and Toxicology</u>			
	Basic Science Review	30	
	Pathology I	60	

PATH 61422	Microbiology	60	
PATH 61421	Immunology	45	
	Pathology II	60	
	Pathology III	45	
PATH 71414	Toxicology	45	
ROEN 71512	Radiology II	75	
ROEN 82515	Special Topics	30	
		450	450

Public Health, Hygiene and Sanitation, and Emergency Care

PATH 62424	Public Health	30	
CLIN 81809	Emergency Procedures	45	
CBPM91154	Regulatory Issues	30	
CLIN 72804	Intro to Clinical Practice	30	
		135	135

Diagnosis

E.E.N.T.	DIAG xxxxx Physical Diagnosis	90	
Serology	DIAG 81719 Visceral Disorders	15	
Dermatology	DIAG xxxxx Physical Diagnosis	15	
Syphilology	DIAG xxxxx Physical Diagnosis	15	
Geriatrics	DIAG 91713 Geriatrics	30	
X-ray Interpretation	ROEN xxxxx Radiology I	45	
CBPM 92823	CCC III	75	
Neurology	NMS I & NMS II	120	
Additional Diagnostic subjects			
	Diff DX	45	
	Physical Diagnosis	15	
CLIN 81808	Clinical Methods	75	
CLIN 82830	Clinic I	105	
CLIN 91831	Clinic II	105	
CLIN 82821	CCC I	45	
CLIN 91822	CCC II	45	
		840	840

Obstetrics, Gynecology and Pediatrics

DIAG 72714	Obstetrics/Pediatrics	75	
	Gender Disorders	60	
		135	135

Principles and Practice of Chiropractic**518**

plus Clinic 495

Chiro Technique

TECH 62609	Toggle Recoil	60	
	Subluxation Analysis	60	
TECH 71605	Cervical Technique	75	
TECH 72607	Thor/Lumbar Technique	75	
	Pelvic Technique	60	
TECH 81616	Technique Review	75	
TECH 81617	Extremity Adjustment	75	
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		480	480

Chiro Philosophy

PHIL 51121	Philosophy I	30	
PHIL 52122	Philosophy II	30	
PHIL 62123	Philosophy III	30	
PHIL 82125	Philosophy V	60	
PHIL 91126	Philosophy VI	30	
		<hr/>	
		180	180

Orthopedics

DIAG 71709	NMS Diagnosis I	15	
DIAG 72704	NMS Diagnosis II	15	
		<hr/>	
		30	30

X-ray Techniques, Radiation Protection

	Radiology III	75	
	Rad Positioning - Spine	30	
	Rad Positioning - Extrem	45	
		<hr/>	
		150	150
			<hr/>
			840

Clinic, including Office Procedures

CLIN 82830	Clinic I	120	
CLIN 91831	Clinic II	120	
CLIN 92832	Clinic III	360	
		<hr/>	
		600	600

Physiotherapy

REHB71853	Physiotherapy I	60	
REHB72854	Physiotherapy II	60	
		<hr/>	
		120	120

Psychiatry

DIAG 81720	Clinical Psychology	30	
CBPM 92823	CCC III	15	
		<hr/>	
		45	45

Other required PCC coursework

CBPM 51111	Rights & Responsibilities	15	
CBPM 82151	Financial Management	45	
CBPM 91153	Practice Management	75	
CBPM 92155	Planning for Success	15	
CBPM82152	Legal Issues	30	
LIBR 51111	Information Literacy	15	
RSCH 51111	Found of Evidence Based Chiro	15	
RSCH 91542	Evidence Based Chiropractic	30	
		<hr/>	
		240	240

other hours listed above in Principles & Practice

TOTAL CONTACT HOURS COMPLETED	<hr/> <hr/>
	4620

	Number Completed by Student at PCC
Clinical Experience	
Physical Examinations (10 not student patients)	25
Urinalysis	25
CBC's	20
Blood chemistries	10
X-ray examinations	30
Proctologic examinations	10
Gynecologic examinations	10
Patient treatments including diagnostic, adjustive technique, and patient evaluation	250
Written interpretation of X-ray (film or slide)	30
Practical clinical experience hours	518
Physiotherapy procedures performed by the student on their own clinic patients	30