#### College of Health Sciences and Human Services

acceptance. Admittance to accredited OT, PT, and PA programs is stringent. Requirements necessary for acceptance to graduate programs are overall similar, but prerequisites may vary slightly depending on the university.

Considering these high standards necessary for graduate programs in OT, PT, or PA and MSU's interest in each student's career success, criteria have been established that must be met prior to taking specific upper-level EXS courses. Students who do not meet these requirements are encouraged to evaluate their career choice so that the remaining coursework can be tailored to prepare them for the workforce or other graduate programs at the time of graduation from MSU.

All Pre-professional track students must meet the following criteria before taking several junior and senior level courses. For Pre-Occupational and Pre-Physical Therapy, these criteria must be met before taking EXS 390, 402, 403, and 420.

- A minimum 3.0 cumulative GPA.
- Have completed BIO 227, 228, 229, 230 with a C or better.
- Have completed at least one of the following with a C or better: 1) CHE 111 or 201, 2) PHY 130 and 131.

•Have met the cumulative 2.5 GPA of all exercise science students in order to graduate.

Students choosing the pre-professional tracks will complete a bachelor's degree at MSU and then apply to graduate programs. There is a strong demand for all three of the pre-professional programs nationwide. The pre-professional programs are designed to provide the student with an excellent undergraduate background and knowledge base while incorporating many of the prerequisites required for acceptance to graduate programs. Students are encouraged to begin exploring graduate programs during their sophomore or junior year and work with their MSU advisor to ensure that any specific special courses required by a particular program of interest are incorporated into the curriculum. Acceptance into graduate programs is challenging and requires that the applicant be well rounded academically and personally. Successful applicants demonstrate a competitive academic history, have knowledge of the profession, and are motivated to succeed.

Occupational therapy services include teaching daily living skills, developing perceptual-motor skills, improving sensory function, and adaption of the environment for individuals with special needs. Occupational therapists evaluate an individual's condition, administer treatments, and participate in consulting activities. Physical therapy is a health care profession that focuses on improving optimal health, movement, and function. Physical therapists apply scientific principles to prevent, diagnose, and provide interventions to minimize or alleviate dysfunction. The profession of physician assistant has grown rapidly over the past few years and offers many options for the graduate to work in numerous areas of medicine under the supervision of a physician. To practice in any of the professional programs, one must graduate from an accredited program and pass a national board examination to obtain licensure. All these professionals work in a variety of settings and with individuals throughout the lifespan.

#### AREA:

# **Exercise Science/Pre-Occupational Therapy Track**

Bach CIP 3		of Science Degree 05
		Studies Requirements
		Studies selections must include:  Inquiry, Methodologies, and Quantitative Skills:
BIO	101	Biological Concepts
	or	
BIO	221	Zoology: Animal Form and Function
		Essentials of Chemistry and Biochemistry
		College Algebra (or higher math)
		d Self-Awareness and Responsible Citizenship:
PHI	202	Ethics
PSY	180	General Psychology
		Studies Electives:
CSC	125	Internet and Web Page Design
	or	
CSC	199	Introduction to Information Technology
		General Physics I
		General Physics I Laboratory
SOC	133	Introduction to Sociology
Core	Com	rses41 hr
		Human Physiology
		Human Physiology Laboratory
EXS	099	Transitions
		Concepts and Careers in Exercise Science and
		Athletic Training
EXS	295	Acute Care of the Physically Active
EXS	310	Exercise Concepts in Special Populations
EXS	333	Theory/Techniques in Strength and Conditioning
EXS	350	Exercise Physiology
EXS	370	Kinesiology
EXS	375	Biomechanics in Sport and Exercise
		Sports Medicine Pharmacology
		Sport and Exercise Psychology
		Research Design and Statistics for Allied Health
		Professional Experience I
		Administration in Exercise Science
NTN	230	Nutrition
Pre-C	)eeur	oational Therapy Courses30 hr
BIO		Scientific Etymology
BIO		Clinical Terminology
		Human Anatomy
BIO		Human Anatomy Laboratory
		Lifespan Development
		Abnormal Psychology
		Care and Prevention of Injuries

EXS 402 Evaluation of the Lower Extremity

EXS 403 Evaluation of the Upper Extremity

EXS 420 Rehabilitation Techniques

EXS 390 Therapeutic Modalities

EXS 421 Rehabilitation Techniques Lab

EXS 435 Neurological Anatomy and Physiology

Unrestricted Elective......4 hrs

Total Curriculum Requirements ......120 hrs

 $^{\text{\scriptsize I}}\text{MAT}$  140 and 145 may be substituted for MAT 150.

AREA: Exercise Science/Pre-Physical Therapy Track	or Career elective  Total Curriculum Requirements
Bachelor of Science Degree CIP 31.0505	AREA:
University Studies Requirements49 hrs (See Academic Degrees and Programs.)	Exercise Science/Pre-Physician Assistant Track
University Studies selections must include: •Scientific Inquiry, Methodologies, and Quantitative Skills:	Bachelor of Science Degree CIP 31.0505
BIO 101 Biological Concepts  or  BIO 221 Zoology: Animal Form and Function	University Studies Requirements
CHE 201 General College Chemistry MAT 150 Algebra and Trigonometry or higher math <sup>1</sup> •Social and Self-Awareness and Responsible Citizenship:	University Studies selections must include: •Scientific Inquiry, Methodologies, and Quantitative Skills: BIO 221 Zoology: Animal Form and Function
PHI 202 Ethics PSY 180 General Psychology •University Studies Electives:	CHE 201 General College Chemistry MAT 150 Algebra and Trigonometry or higher math <sup>1</sup>
CSC 125 Internet and Web Page Design or CSC 199 Introduction to Information Technology	•Social and Self-Awareness and Responsible Citizenship: PHI 202 Ethics PSY 180 General Psychology
PHY 130 General Physics I PHY 131 General Physics I Laboratory PHY 132 General Physics II	• University Studies Electives:  CHE 202 General Chemistry and Qualitative Analysis  CSC 125 Internet and Web Page Design
PHY 133 General Physics II Laboratory  Core Courses41 hrs	Or CSC 199 Introduction to Information Technology SOC 133 Introduction to Sociology
BIO 229 Human Physiology	Core Courses41 hrs
BIO 230 Human Physiology Laboratory EXS 099 Transitions	BIO 229 Human Physiology
EXS 101 Concepts and Careers in Exercise Science and	BIO 230 Human Physiology Laboratory EXS 099 Transitions
Athletic Training	EXS 101 Concepts and Careers in Exercise Science and
EXS 295 Acute Care of the Physically Active	Athletic Training
EXS 310 Exercise Concepts in Special Populations	EXS 295 Acute Care of the Physically Active
EXS 333 Theory/Techniques in Strength and Conditioning EXS 350 Exercise Physiology	EXS 310 Exercise Concepts in Special Populations EXS 333 Theory/Techniques in Strength and Conditioning
EXS 370 Kinesiology	EXS 350 Exercise Physiology
EXS 375 Biomechanics in Sport and Exercise	EXS 370 Kinesiology
EXS 380 Sports Medicine Pharmacology	EXS 375 Biomechanics in Sport and Exercise
EXS 385 Sport and Exercise Psychology EXS 400 Research Design and Statistics for Allied Health	EXS 380 Sports Medicine Pharmacology EXS 385 Sport and Exercise Psychology
EXS 469 Professional Experience I	EXS 400 Research Design and Statistics for Allied Health
EXS 471 Administration in Exercise Science	EXS 469 Professional Experience I
NTN 230 Nutrition	EXS 471 Administration in Exercise Science NTN 230 Nutrition
Pre-Physical Therapy Courses35 hrs	14114 250 Puttition
BIO 120 Scientific Etymology	Pre-Physician Assistant Courses32 hrs
BIO 220 Clinical Terminology	BIO 120 Scientific Etymology
BIO 227 Human Anatomy	BIO 220 Clinical Terminology BIO 227 Human Anatomy
BIO 228 Human Anatomy Laboratory	BIO 228 Human Anatomy Laboratory
CHE 202 General Chemistry and Qualitative Analysis	BIO 300 Introductory Microbiology
PSY 260 Lifespan Development EXS 301 Care and Prevention of Injuries	CHE 312 Organic Chemistry I
EXS 390 Therapeutic Modalities	EXS 301 Care and Prevention of Injuries
EXS 402 Evaluation of the Lower Extremity	EXS 320 Evaluation of Non-Orthopedic Conditions EXS 435 Neurological Anatomy and Physiology
EXS 403 Evaluation of the Upper Extremity	PSY 260 Lifespan Development
EXS 420 Rehabilitation Techniques	Electives (5 hrs)
EXS 421 Rehabilitation Techniques Lab	
EXS 435 Neurological Anatomy and Physiology SOC 133 Introduction to Sociology	Total Curriculum Requirements
500 155 introduction to boolology	<sup>1</sup> MAT 140 and 145 may be substituted for MAT 150.

# AREA: **Exercise Science/Wellness Track Bachelor of Science Degree** CIP 31.0505 University Studies Requirements ......44 hrs (See Academic Degrees and Programs.) University Studies selections must include: •Scientific Inquiry, Methodologies, and Quantitative Skills: BIO 101 Biological Concepts BIO 221 Zoology: Animal Form and Function CHE 111 Introductory Chemistry I MAT 140 College Algebra (or higher math) •Social and Self-Awareness and Responsible Citizenship: PHI 202 Ethics PSY 180 General Psychology •University Studies Electives: CSC 125 Internet and Web Page Design CSC 199 Introduction to Information Technology (See advisor before choosing.) Core Courses ......41 hrs BIO 229 Human Physiology BIO 230 Human Physiology Laboratory EXS 099 Transitions EXS 101 Concepts and Careers in Exercise Science and Athletic Training EXS 295 Acute Care of the Physically Active EXS 310 Exercise Concepts in Special Populations EXS 333 Theory/Techniques in Strength and Conditioning EXS 350 Exercise Physiology EXS 370 Kinesiology EXS 375 Biomechanics in Sport and Exercise EXS 380 Sports Medicine Pharmacology EXS 385 Sport and Exercise Psychology EXS 400 Research Design and Statistics for Allied Health EXS 469 Professional Experience I EXS 471 Administration in Exercise Science NTN 230 Nutrition BIO 227 Human Anatomy and BIO 228 Human Anatomy Laboratory EXS 250 Anatomical Concepts in Wellness EXS 302 Essential Prevention and Management of Injuries EXS 356 Health Promotion and Programming EXS 455 Exercise Prescription EXS 460 Practicum EXS 465 Advanced Exercise Physiology EXS 470 Professional Experience II Career Electives (9 hours upper-level with advisor approval) Unrestricted Electives ......4-5 hrs A minor may be substituted in place of electives.

Total Curriculum Requirements ......120 hrs

#### **Nutrition, Dietetics and Food Management**

The nutrition, dietetics, and food management program offers a B.S. degree with a choice of three options: dietetics, food management, and nutrition and foods, as well as a Master of Science.

The Dietetics Track focuses on the application of principles of nutrition, physiology, biochemistry, behavioral and social sciences and management to promote optimal health in individuals, and leads to credentialing as a Registered Dietitian (R.D.). The R.D. is the nationally recognized credential in nutrition. It is required for most employment in the health care industry and preferred for many other employment opportunities in foods and nutrition. The admission requirements for the Dietetics Track are explained below. Upon successful completion of the B.S. degree program in Dietetics, a graduate must complete an accredited post-baccalaureate supervised practice program (Dietetic Internship Program) to gain eligibility for the national examination for R.D. status. Murray State also offers a post-baccalaureate dietetic internship program.

The Food Management Track prepares students for careers in the hospitality industry. Skills developed can be applied to a wide range of jobs across the industry. There will be no shortage of exciting opportunities and fresh challenges in the years ahead. Necessary skills include basic business skills, motivation, and supervisory skills as well as food purchasing, preparation, and service. Careers you can explore include theme parks, country clubs, corporate dining, university dining, bed and breakfast, restaurants, consulting, and sales.

The Nutrition and Foods Track provides a broad education in basic nutrition and food studies leading to a variety of career possibilities in food and nutrition. Today's interest in healthy lifestyles is translating into a remarkable range of career opportunities related to health, diet, and fitness. Graduates may be employed in a variety of settings such as education, government agencies, school, media, food management, or any position where the R.D. credential is not required.

#### **Dietetics Admission Requirements**

The Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics as a Didactic Program in Dietetics (DPD). In order to be admitted into the DPD, a student must have completed at least 30 credit hours and have a GPA of 3.0 or above with a B or better in NTN 230 and a C or better in two required science courses such as BIO 101, BIO 227, CHE 105, or CHE 210. In order to obtain a verification statement upon completion of the DPD, a student must have a GPA of at least 2.8 and at least a C in all DPD required courses.

# AREA: **Nutrition, Dietetics and Food Management/Dietetics Track**

**Bachelor of Science Degree** CIP 19.0501

## ACCREDITED BY:

Dietetics Emphasis: Accreditation Council for Education in Nutrition and Dietetics

Note: With proper advising, this program can meet requirements for physician assistant and certain other pre-professional programs.

University Studies Requirements ......42-44 hrs (See Academic Degrees and Programs.)

University Studies selections must include: •Scientific Inquiry, Methodologies, and Quantitative Skills: BIO 101 Biological Concepts	AREA: Nutrition, Dietetics and Food
CHE 105 Introductory Chemistry I or	Management/Food Management Track
CHE 201 General College Chemistry	<b>Bachelor of Science Degree</b>
MAT 117 Mathematical Concepts (or higher math)	CIP 19.0501
•Social and Self-Awareness and Responsible Citizenship:	
PSY 180 General Psychology	University Studies Requirements42-44 hr
•University Studies Electives:	(See Academic Degrees and Programs.)
CSC 199 Introduction to Information Technology	
SOC 133 Introduction to Sociology	University Studies selections must include:
	•Scientific Inquiry, Methodologies, and Quantitative Skills:
Core Requirements	rs BIO 101 Biological Concepts CHE 105 Introductory Chemistry I
BUS 140 Foundations of Business	or
MAT 135 Introduction to Probability and Statistics	CHE 201 General College Chemistry
or PSY 300 Principles and Methods of Statistical Analysis	MAT 117 Mathematical Concepts (or higher math)
FCS 462 Methods of Teaching Family and Consumer	•Social and Self-Awareness and Responsible Citizenship:
Sciences	PSY 180 General Psychology
MGT 350 Fundamentals of Management	•University Studies Electives:
NTN 099 Transitions	CSC 199 Introduction to Information Technology
NTN 200 Introduction to the Profession	SOC 133 Introduction to Sociology
NTN 220 Food Safety and Sanitation	
NTN 230 Nutrition	Core Requirements45-46 hr
NTN 231 Principles of Food Science and Preparation	BUS 140 Foundations of Business
NTN 303 Research Concepts in Foods and Nutrition	MAT 135 Introduction to Probability and Statistics
NTN 333 Nutrition and the Life Cycle	or
NTN 371 Quantity Food Production Practicum	PSY 300 Principles and Methods of Statistical Analysis
NTN 372 Quantity Food Production and Purchasing	FCS 462 Methods of Teaching Family and Consumer
NTN 373 Management of Food Service Personnel	Sciences
and Facilities	MGT 350 Fundamentals of Management
NTN 412 Community Nutrition and Health	NTN 099 Transitions
NTN 422 Meal Management	NTN 200 Introduction to the Profession
NTN 432 Experimental Foods NTN 499 Senior Seminar	NTN 220 Food Safety and Sanitation
10110 477 Schiol Schillar	NTN 230 Nutrition NTN 231 Principles of Food Science and Preparation
Dietetics Courses30-31 h	
BIO 227 Human Anatomy <i>and</i>	NTN 333 Nutrition Throughout the Life Cycle
BIO 228 Human Anatomy Laboratory	NTN 371 Quantity Food Production Practicum
or	NTN 372 Quantity Food Production and Purchasing
EXS 250 Anatomical Concepts in Wellness	NTN 373 Management of Food Service Personnel
BIO 229 Human Physiology	and Facilities
BIO 230 Human Physiology Laboratory	NTN 412 Community Nutrition and Health
BIO 300 Introductory Microbiology	NTN 422 Meal Management
CHE 210 Brief Organic Chemistry	NTN 432 Experimental Foods
CHE 330 Basic Biochemistry	NTN 499 Senior Seminar
HEA 415 Communication Techniques for Health Care	
Providers	Food Management Courses
NTN 430 Advanced Nutrition	ACC 200 Principles of Financial Accounting
NTN 434 Clinical Dietetics Practicum	ECO 230 Principles of Macroeconomics
NTN 440 Medical Nutrition Therapy I	MGT 550 Human Resource Management
NTN 450 Medical Nutrition Therapy II	MKT 360 Principles of Marketing NTN 374 Food Service Management Practicum
Electives	
Electives	ACC 201 Principles of Managerial Accounting
Total Curriculum Requirements120 h	
20 Currentum requirements minimum 120 II.	MGT 358 Entrepreneurial Business Plan Development
	MGT 551 Organizational Behavior
	MGT 553 Human Resource Selection
	MKT 361 Selling and Sales Management
	MKT 565 Marketing Research
	NTN 488 Cooperative Education/Internship
	NTN 597 Trends and Issues in Nutrition and Foods

#### College of Health Sciences and Human Services Electives .......9 hrs NTN 430 Advanced Nutrition Total Curriculum Requirements ......120 hrs Total Curriculum Requirements ......120 hrs AREA: **Nutrition, Dietetics and Food Nutrition Graduate Programs Management/Nutrition and Foods Track** The Master of Science (M.S.) in Nutrition is a 35-credit-hour program which enables graduates of the Registered Dietitian **Bachelor of Science Degree** (R.D.) certification program to pursue additional higher educa-CIP 19.0501 tion in the areas of professional counseling, education, science, statistics, psychology, management, and nutrition research. The University Studies Requirements ......42-44 hrs M.S. in Nutrition prepares students to effectively compete in a (See Academic Degrees and Programs.) growing job market in which 5 of 10 dietitians nationally hold master's degrees. Advances in nutrition and genetic research, University Studies selections must include: aging demographics, and accelerating rates of nutrition-related •Scientific Inquiry, Methodologies, and Quantitative Skills: diseases such as obesity and diabetes fuel the demand for highly BIO 101 Biological Concepts trained nutrition professionals. CHE 105 Introductory Chemistry I **Master of Science in Nutrition** CHE 201 General College Chemistry MAT 117 Mathematical Concepts (or higher math) CIP 19.0501 •Social and Self-Awareness and Responsible Citizenship: PSY 180 General Psychology **Requirements for Admission** •University Studies Electives: Applicants must meet the Murray State University require-CSC 199 Introduction to Information Technology ments (see Graduate Admissions). Additional requirements for SOC 133 Introduction to Sociology admission are as follows. Applicants must be accepted to the Murray State University Core Requirements ......45-46 hrs Dietetic Internship Program. Students must successfully com-BUS 140 Foundations of Business plete program, earning a grade of B or better in all courses. MAT 135 Introduction to Probability and Statistics Students must pass the Registered Dietitian National Examination administered by the Academy of Nutrition and Dietetics to PSY 300 Principles and Methods of Statistical Analysis continue in the program. FCS 462 Methods of Teaching Family and Consumer Sciences NON-THESIS REQUIREMENTS MGT 350 Fundamentals of Management Total Course Requirements......35 hours NTN 099 Transitions NTN 640 Dietetics Clinical Training Primer NTN 200 Introduction to the Profession NTN 641 Nutrition Therapy I NTN 220 Food Safety and Sanitation NTN 642 Foodservice Management NTN 230 Nutrition NTN 643 Community Nutrition<sup>PT</sup> NTN 231 Principles of Food Science and Preparation NTN 650 Dietetics Clinical Training Program Primer II NTN 303 Research Concepts in Foods and Nutrition NTN 651 Nutrition Therapy II NTN 333 Nutrition Throughout the Life Cycle NTN 371 Quantity Food Production Practicum NTN 652 Business/Entrepreneur NTN 372 Quantity Food Production and Purchasing NTN 653 Culminating Experience NTN 373 Management of Food Service Personnel NTN Nutrition Research Literature Review<sup>L</sup> 656 and Facilities NTN 660 Research Project in Nutrition I<sup>R</sup> NTN 412 Community Nutrition and Health NTN 661 Research Project in Nutrition II NTN 422 Meal Management PSY 545 Behavior Modification NTN 432 Experimental Foods 591 Statistics NTN 499 Senior Seminar Approved Elective (1-4 hrs) Nutrition and Foods Courses ......19-20 hrs **Other Degree Requirements** BIO 227 Human Anatomy and • Successful completion of a comprehensive research project. BIO 228 Human Anatomy Laboratory EXS 250 Anatomical Concepts in Wellness BIO 229 Human Physiology BIO 230 Human Physiology Laboratory CHE 210 Brief Organic Chemistry HEA 191 Personal Health

128

HEA 415 Communication Techniques for Health Care

Providers

# Health Seiences and Human Services

#### College of Health Sciences and Human Services

# **CERTIFICATE: Registered Dietitian (R.D.)**

ACCREDITED BY:

Accreditation Council for Education in Nutrition and Dietetics (ACEND)

#### Total Course Requirements......18 hours

NTN 640 Dietetics Clinical Training Primer

NTN 641 Nutrition Therapy I

NTN 642 Foodservice Management

NTN 643 Community Nutrition

NTN 650 Dietetics Clinical Training Program Primer II

NTN 651 Nutrition Therapy II NTN 652 Business/Entrepreneur NTN 653 Culminating Experience

# **Department of Community Leadership and Human Services**

108 Carr Health Building 270-809-6802

**Chair:** Kelly Rogers. **Faculty:** Brookhiser, Chakradhar, Chavis, Gowen, Jones, Meredith, Pittman-Munke, Rogers, Weis, Wylie.

The Department of Community Leadership and Human Services offers areas in recreation and leisure services and social work, a major in youth and nonprofit leadership, and minors in adventure leadership, community recreation, gerontology, social welfare, and youth and nonprofit leadership.

#### **Recreation and Leisure Services**

The Recreation and Leisure Services program offers a B.A./ B.S. degree with a tracks in adventure leadership, community recreation, and outdoor recreation preparing students for careers in a variety of settings including local, state, regional, and national parks and recreation areas. Through service learning courses and a 400 contact hour internship, students have many opportunities to gain valuable work experience prior to graduation. Upon successfully completing the program, students are eligible to sit for the Certified Park and Recreation Professional (CPRP) national exam

Note: With the exception of first semester freshmen, all students must have a cumulative GPA of 2.0 or higher and have completed all developmental courses prior to declaring recreation and leisure services as a major.

#### AREA:

# Recreation and Leisure Services/ Adventure Leadership Track

Bachelor of Science/Bachelor of Arts Degree CIP 31.0601

University Studies Requirements ......41-47 hrs

(See Academic Degrees and Programs.)

**Note:** At least a *C* average is required in ENG 105.

University Studies selections must include:

Social and Self-Awareness and Responsible Citizenship:

PSY 180 General Psychology

ENG 224 Writing in the Professions

Required	Courses	44	hi
requireu	Cuiscs	77	-

REC 099 Transitions

REC 101 Introduction to Recreation and Leisure Services

REC 150 Recreation Activity Leadership

REC 202 Recreation Program Planning

REC 207 Inclusive Recreation

REC 302 Special Event Management

REC 304 Community Recreation Service Learning

REC 401 Research and Evaluation in Recreation

REC 403 Managing Recreation Areas and Facilities

REC 405 Organization and Administration of Recreation

REC 410 Technology Application to Recreation Decision Making

REC 421 Professional Internship

REC 450 Recreational Use of Natural Resources

REC 465 Interpretation of Cultural Resources

REC 499 Senior Seminar

REC 502 Workshop in Financial Development

REC 520 Leisure and Aging

#### Adventure Leadership Track......16 hrs

REC 161 Outdoor Cooking and Menu Planning

REC 295 Wilderness and Remote First Aid

REC 301 Outdoor Adventure Skills

REC 311 Leadership of Adventure Education

REC 411 Curriculum Development in Adventure Education

REC 490 National Recreation Sites and Rural Tourism Traveling Workshop

Advisor approved from a list of electives maintained in the department.

Total Curriculum Requirements ......120 hrs

## AREA:

# Recreation and Leisure Services/ Community Recreation Track

Bachelor of Science/Bachelor of Arts Degree CIP 31.0601

#### University Studies Requirements ......41-47 hrs

(See Academic Degrees and Programs.)

**Note:** At least a *C* average is required in ENG 105.

University Studies selections must include:

Social and Self-Awareness and Responsible Citizenship:

PSY 180 General Psychology

•University Studies Electives:

ENG 224 Writing in the Professions

#### Required Courses......44 hrs

REC 099 Transitions

REC 101 Introduction to Recreation and Leisure Services

REC 150 Recreation Activity Leadership

REC 202 Recreation Program Planning

REC 207 Inclusive Recreation

REC 302 Special Event Management

REC 304 Community Recreation Service Learning

REC 401 Research and Evaluation in Recreation

#### College of Health Sciences and Human Services

REC 4	403	Managing Recreation Areas and Facilities
REC 4	405	Organization and Administration of Recreation
REC 4	410	Technology Application to Recreation Decision Making
REC 4	421	Professional Internship
REC 4	450	Recreational Use of Natural Resources
REC 4	465	Interpretation of Cultural Resources
REC 4	499	Senior Seminar
REC :	502	Workshop in Financial Development
REC :	520	Leisure and Aging
Adven	ture	Leadership Track18 hrs
		Personal Health
PHE 2	205	Lifetime Activities
PHE 2	206	Team Sports
REC	100	Rural Tourism
		Social Problems
YNL 3	351	Leadership and Support Systems in Youth and
		Human Service Organizations
	sor a	Electives
Total C	Curr	riculum Requirements120 hrs
REC 1	01, 1 e up	Leadership Minor
REC 10 tives fr 520. Si	01, 1 rom t x hot	ty Recreation Minor
Soci	al V	Nork

#### **Social Work**

The primary purpose of the social work program is to prepare students for entry-level professional generalist practice as social workers in a variety of social service agencies and organizations. To accomplish this purpose, a well-developed curriculum is offered that is responsive to the social problems and issues confronting society today, and which provides students a stimulating and provocative approach to preparing themselves for a social work career. The undergraduate social work program is has been accredited by the Council on Social Work Education since 1974.

The social work program is designed to meet the career interests of students in such fields as family and children's services, health, mental health, aging, education and corrections.

Undergraduate social work practitioners work in such settings as: recreational programs for children; group homes; public and private child welfare programs; public assistance programs; public housing programs; domestic violence shelters; hospitals; nursing homes; home health agencies; programs serving the chronically mentally ill; alcohol/drug rehabilitation and prevention programs; programs serving persons with physical and/or developmental disabilities; senior citizens programs; preschools; elementary and secondary schools; probation and parole; prisons and other court-related programs. Another important function of the program is to provide a sound academic foundation for students entering graduate study in social work or related fields of human service.

Students must earn a grade of C or better in all social work course work. Any social work course with a grade of less than

*C* must be repeated. Students must have a GPA of at least 2.5 in social work program courses, and a minimum overall GPA of 2.5 in order to be graduated.

#### **Requirements for Admission**

In order to be admitted to the social work program, a student must 1) have completed 60 semester hours of course work with a minimum GPA of 2.50; 2) have completed SWK 101, 201, 225, and 301 or 302 with a minimum GPA of 2.50 and no grades in a SWK class below C; 3) may be asked to pass an examination to certify proficiency in written English; 4) complete an application for admission to the program; 5) be successfully reviewed by the social work program admissions committee; 6) complete any other requirements or testing that the social work program admissions committee members deem necessary for admission; and 7) sign a statement indicating that he/she has read and will follow the code of ethics of the National Association of Social Workers.

#### **Field Practicum**

In order to be admitted to SWK 499 Field Practicum, a student must 1) have been formally admitted to the social work program; 2) have completed SWK 310, 312, 313, and 498; and 3) be successfully reviewed by the social work field education review committee, and 4) must have completed all other course work needed for graduation. No student is guaranteed a field placement since agencies have final authority to accept or reject a potential student.

## AREA: Social Work

Bachelor of Social Work Degree CIP 44.0701

#### **ACCREDITED BY:**

Council on Social Work Education (CSWE)

## University Studies Requirements ......41-44 hrs

University Studies selections must include:

•Oral and Written Communication:

COM 161 Introduction to Public Speaking

ENG 105 Critical Reading, Writing, and Inquiry

•Global Awareness, Cultural Diversity, and the World's Artistic Traditions:

One University Studies elective in this category

#### •Scientific Inquiry, Methodologies, and Quantitative Skills:

One University Studies BIO elective in this category

MAT 135 Introduction to Probability and Statistics

One University Studies math or science elective in this category

#### •Social and Self-Awareness and Responsible Citizenship:

POL 140 American National Government

SOC 133 Introduction to Sociology

One University Studies elective in this category

•World's Historical, Literary, and Philosophical Traditions:

CIV 201 World Civilizations I

or

CIV 202 World Civilizations II

HUM 211 Western Humanities Tradition

### •University Studies Electives:

CSC 199 Introduction to Information Technology

PSY 180 General Psychology

Required Courses
SWK 099 Transitions
SWK 101 Introduction to Social Work
SWK 201 Social Work and Social Welfare
SWK 225 Human Diversity
SWK 301 Human Behavior and the Social Environment I
SWK 302 Human Behavior and the Social Environment II
SWK 303 Principles and Methods of Research
SWK 310 Social Work Practice I
SWK 311 Social Work Practice Skills
SWK 312 Social Work Practice II
SWK 313 Social Work Practice III
SWK 350 Social Welfare Policies and Services
SWK 385 Social Work in Mental Health Settings
SWK 498 Senior Seminar
SWK 499 Field Practicum
Social Work Electives15 hrs
Choose two upper division social work (SWK) classes with
exception of SWK 500. The other nine hours may be chosen from
any SWK course.
C. D
Co-Requirements for Area12 hrs
Any ECO course, any statistics course, and nine hours from the
following prefixes: ANT, CRJ, NTN, PHI, PSY, RGS, SOC, SWK,
or any foreign language course.
Total Curriculum Requirements120-123 hrs
Social Welfare Minor21 hrs
SWK 101, 201, 225, 301, 302, and choose two of the following:
SWK 303, 304, 311, 315, 336, 345, 350, 355, 365, 370, 375, 385,
395, 405, 410, 415, 425, 426, 437, or 460. Social work minors
are not permitted to take SWK 312, 313, 498, or 499. Six hours
must be upper-level courses completed in residence at Murray
State University.
Cavantalanu
Gerontology
Through this minor, students learn about the aging process,
services for the elderly, and the techniques for working with the
elderly. The 21-hour minor in social gerontology combines course
work in several disciplines including sociology, social work,
psychology and therapeutic recreation. A minor in gerontology
provides students with the background they need to provide ser-
vices to older people.
Gerontology Minor
GTY 264, 305, 341, 520, plus nine hours of limited electives. Six
hours must be upper-level courses completed in residence at Mur-
ray State University.
Youth and Nonprofit Leadership

The department offers a major and a minor in youth and nonprofit leadership. This program prepares students for leadership roles in organizations like the American Red Cross, the Boys and Girls Clubs of America, the YMCA, hospitals, colleges, and ministries to mention several. It is designed to include competencies in program development, supervision, public relations, and finance to mention a few. Many classes involve a service learning project and can help students earn the designation of Service Learning Scholar at graduation.

Note: With the exception of first semester freshmen, all students must have a cumulative GPA of 2.0 or higher and have completed all developmental courses prior to declaring youth and nonprofit leadership as a major.

Youth	DR: n and Nonprofit Leadership
Bachelo CIP 44.0	r of Arts/Bachelor of Science Degree 0702
	ity Studies Requirements41-47 h  demic Degrees and Programs.)
	ty Studies selections must include:
	nd Self-Awareness and Responsible Citizenship:
	30 General Psychology
	sity Studies Electives:
CSC 19	9 Introduction to Information Technology
_	d Courses29 h
	9 Transitions
YNL 29	O Current Trends and Issues in Youth and Human Services
YNL 35	50 Program Administration in Youth and Human Service Organizations
YNL 35	51 Leadership and Support Systems in Youth and
373 II - 47	Human Service Organizations
YNL 40	00 Youth and Human Service Agency
373 II 47	Administration Internship
	01 Youth and Human Service Internship 50 Senior Seminar
	75 Social Entrepreneurship
	35 Seminar on Leadership Development
	2 Workshop in Financial Resource Development
	30 Special Problems in Youth and Human
THE SC	Service Organizations
Career I	Related Electives9 h
	from the following:
	10 Intercultural Communication
	30 Organizational Communication
	39 Conflict and Communication
	Personal Health
MGT 35	50 Fundamentals of Management
MGT 55	50 Human Resource Management
	60 Principles of Marketing
OSH 10	11 Emergency Medical Training
	22 Ethics
PSY 26	51 Child Psychology
	52 Adolescent Psychology
REC 40	3 Managing Recreation Areas and Facilities
Require	d Minor21 h
Unrestri	icted Electives14-20 h
Total C	ırriculum Requirements120 h

electives. Six hours must be upper-level courses completed in

residence at Murray State University.

#### **Graduate Program**

# CERTIFICATE: Youth and Nonprofit Leadership

#### CIP 44.0702

The Human Development and Leadership Certificate program is designed for individuals working in positions such as administrative, program development, or direct services positions in a wide range of settings. This certificate will provide additional information and skills for those with leadership responsibilities or for those wanting to move toward assuming a greater leadership role. The courses focus on the self; working with diverse individuals and cultures; developing an understanding of and how to utilize assessments in non-clinical settings; and understanding the process of working in and with groups. This program leads to a non-practice credential and is not approved by the Kentucky Educational Professional Standards Board.

#### **Requirements for Admission**

Students who hold an undergraduate degree, graduate degree in any field, or those currently enrolled in a graduate program may apply for the Certificate in Youth and Nonprofit Leadership program.

Applicants must comply with the Murray State University requirements (see *Graduate Admissions*). Additional requirements for unconditional admission are as follows:

- for unconditional admission, an undergraduate GPA of 3.0 or higher;
- conditional admission will be determined by the Director of the Youth and Nonprofit Leadership program.

#### Total Course Requirements......12 hours

YNL 601 Seminar on Youth and Human Service Organization

YNL 602 Workshop in Financial Resource Development YNL 680 Special Problems in Youth and Human Service

Organizations

YNL 685 Seminar on Leadership Development

# Department of Occupational Safety and Health

157 Collins Center 270-809-2488

**Chair:** David G. Kraemer. **Faculty:** Atieh, Begley, Byrd, Fender, Keller, Kraemer, Mason, Morris, Wortham.

The Department of Occupational Safety and Health provides related curriculum offerings at the baccalaureate and master's levels. Service courses are offered for individuals majoring in other fields such as business, science, health, psychology, education, and engineering technology. The department also offers a technical minor and a Master of Science degree. The degree programs are designed to provide the technical and professional knowledge required by individuals pursuing professional careers in accident prevention, loss-control management and supervision, inspection and control of occupational hazards, industrial hygiene or environmental health and safety.

#### **Occupational Safety and Health Track**

This track is designed to provide the technical and professional knowledge required by individuals pursuing professional careers in accident prevention, loss control management and supervision, inspection and control of occupational hazards, and industrial hygiene.

#### **Environmental Health and Safety Track**

This track is designed to provide the technical and professional knowledge required by individuals pursuing professional careers in environmental issues and affairs such as water quality, air quality, and solid and hazardous waste management.

#### **Degree Requirements**

Students must earn a grade of *C* or better in all OSH courses. Any OSH course with a grade below a *C* must be repeated if needed for graduation requirements.

## **AREA:**

# Occupational Safety and Health/ Occupational Safety and Health Track

Bachelor of Science CIP 15.0701

#### ACCREDITED BY:

Applied Science Accreditation Commission of ABET (ASAC/ABET), www.abet.org.

University Studies Requirements ......44 hrs

(See Academic Degrees and Programs.)

University Studies selections must include:

•Scientific Inquiry, Methodologies, and Quantitative Skills:

BIO 101 Biological Concepts

CHE 105 Introductory Chemistry I

MAT 230 Technical Math II

•Social and Self-Awareness and Responsible Citizenship:

PSY 180 General Psychology

·University Studies Electives:

CHE 210 Brief Organic Chemistry

CHE 215 Organic Chemistry Laboratory

PHY 125 Brief Introductory Physics

PHY 126 Brief Introductory Physics Lab

#### Required Core Courses ...... 52-53 hrs

CSC 199 Introduction to Information Technology<sup>1</sup>

ITD 120 Manufacturing Processes and Materials

MAT 135 Introduction to Probability and Statistics

PSY 300 Principles and Methods of Statistical Analysis

MGT 350 Fundamentals of Management

OSH 099 Transitions

OSH 192 Introduction to Occupational Safety and Health

OSH 287 OSHA Standards for General Industry and Construction

OSH 299 Professional Development Seminar I

OSH 310 Fire and Emergency Preparedness Preplanning

OSH 311 Hazardous Materials and Emergency Planning

OSH 320 Environmental and Occupational Health Engineering Technology

OSH 353 Prevention of Musculoskeletal Disorders in the Workplace

OSH 420 Fundamentals of Industrial Hygiene

#### College of Health Sciences and Human Services OSH 425 Physical Agents University Studies selections must include: OSH 450 Practical Application Lab •Scientific Inquiry, Methodologies, and Quantitative Skills: OSH 452 Systems Approach to Hazard Control BIO 101 Biological Concepts OSH 488 Cooperative Education/Internship CHE 105 Introductory Chemistry I OSH 550 Safety and Health Program Management and Training MAT 230 Technical Math II OSH 591 Engineering and Technical Aspects of Safety •Social and Self-Awareness and Responsible Citizenship: PSY 180 General Psychology ·University Studies Electives: Safety Courses ......30 hrs CHE 210 Brief Organic Chemistry OSH 101 Emergency Medical Training CHE 215 Organic Chemistry Laboratory OSH 384 Construction Safety OSH 445 Fundamentals of Loss Control PHY 125 Brief Introductory Physics OSH 546 Fundamentals of Risk Control PHY 126 Brief Introductory Physics Lab Technical electives (14 hrs) Must be approved by advisor and chosen from the Technical Required Core Courses ...... 52-53 hrs Electives list below and/or the Environmental Health and CSC 199 Introduction to Information Technology<sup>1</sup> ITD 120 Manufacturing Processes and Materials Safety and Track) MAT 135 Introduction to Probability and Statistics **Technical Electives** (choose from the following) 300 Principles and Methods of Statistical Analysis CET 310 Anatomy of Buildings MGT 350 Fundamentals of Management CET 331 Water Quality Technology II CET 385 Heavy Construction Cost Estimating OSH 099 Transitions OSH 192 Introduction to Occupational Safety and Health CET 386 Building Construction Cost Estimating OSH 287 OSHA Standards for General Industry and CET 480 Construction Planning and Management Construction OSH 299 Professional Development Seminar I CET 555 Environmental Regulatory Affairs OSH 310 Fire and Emergency Preparedness Preplanning CHE 120 Chemical Laboratory Safety OSH 311 Hazardous Materials and Emergency Planning CHE 330 Basic Biochemistry OSH 320 Environmental and Occupational Health COM 340 Intercultural Communication Engineering Technology COM 384 Communication Skills for Professionals OSH 353 Prevention of Musculoskeletal Disorders in the COM 439 Conflict and Communication Workplace CRJ 355 Security in Business and Industry OSH 420 Fundamentals of Industrial Hygiene ENG 228 Standard English Usage OSH 425 Physical Agents MGT 550 Human Resource Management OSH 450 Practical Application Lab MGT 555 Training and Development OSH 452 Systems Approach to Hazard Control MGT 575 Labor Management Relations OSH 488 Cooperative Education/Internship OSH 301 Product Liability OSH 550 Safety and Health Program Management and Training OSH 371 Professional Internship II OSH 591 Engineering and Technical Aspects of Safety OSH 453 Human Factors in Safety Engineering OSH 488 Cooperative Education/Internship<sup>2</sup> Environmental Health and Safety Courses ......30 hrs OSH 499 Professional Development Seminar II CET 330 Water Quality Technology I OSH 536 Motor Fleet Safety CET 342 Air Quality Technology OSH 571 Problems in Safety and Health CET 353 Solid Hazardous Waste Technology OSH 578 Workshop in Safety and Health OSH 511 Hazardous Waste Site Operations PSY 405 Industrial and Organizational Psychology OSH 523 Occupational Diseases SPA 106 Basic Spanish and Culture for Agriculture OSH 527 Air Contaminants and Industrial Ventilation Technical electives (12 hrs) Total Curriculum Requirements ......126-127 hrs <sup>1</sup>CSC 199 can be substituted by another computer related course with Must be approved by advisor and chosen from the Technical advisor's approval. Electives list below and/or the Occupational Safety and <sup>2</sup>May be repeated for a second experience. Health Track) Technical Electives (choose from the following) AREA: CET 310 Anatomy of Buildings **Occupational Safety and Health/** CET 331 Water Quality Technology II **Environmental Health and Safety Track** CET 385 Heavy Construction Cost Estimating CET 386 Building Construction Cost Estimating **Bachelor of Science** CET 480 Construction Planning and Management CIP 15.0701 CET 555 Environmental Regulatory Affairs CHE 120 Chemical Laboratory Safety ACCREDITED BY: CHE 330 Basic Biochemistry Applied Science Accreditation Commission of ABET (ASAC/ COM 439 Conflict and Communication ABET), www.abet.org. COM 384 Communication Skills for Professionals

University Studies Requirements ......44 hrs

(See Academic Degrees and Programs.)

COM 340 Intercultural Communication

CRJ 355 Security in Business and Industry