

# Majors, Minors, and Other Programs

Browse the alphabetical list of majors, minors, and other programs in the grid below or select a particular college or school to find the undergraduate programs that relate to a particular college/school. List is current as of July 2023.

## UWL Colleges and Schools

- College of Business Administration (CBA) (<http://catalog.uwlax.edu/undergraduate/businessadministrationcba/#MajorsMinors>)
- College of Arts, Social Sciences, and Humanities (CASSH) (<http://catalog.uwlax.edu/undergraduate/artssocialsciencesandhumanities/>)
  - School of Visual and Performing Arts (VPA) (<http://catalog.uwlax.edu/undergraduate/artssocialsciencesandhumanities/#MajorsMinors>)
- College of Science and Health (CSH) (<http://catalog.uwlax.edu/undergraduate/scienceandhealth/#MajorsMinors>)
- School of Education (SOE) (<http://catalog.uwlax.edu/undergraduate/education/#Majors>)

## Alphabetical list of majors, minors, and other programs

UWL offers several different graduate degrees and certificates covering a wide range of disciplines. Graduate programs are included in the below list, and more details can be found in the graduate catalog (<http://catalog.uwlax.edu/graduate/programrequirements/>).

A complete list of dual degree programs and undergraduate pre-professional tracks are listed at the end. Dual degree programs are also in the main list. Pre-professional tracks are not majors and therefore are not in the main list.

Program	College / School	B.A.	B.S.	Minor	Teacher Cert.	Graduate
Accountancy	CBA		✓	✓		
Adapted Physical Education	CSH					✓ <sup>1</sup>
Adventure/Outdoor Pursuits	CSH					✓ <sup>1</sup>
Anthropology	CASSH			✓		
Archaeological Studies	CASSH	✓	✓	✓		
# Cultural Anthropology Emphasis	CASSH	✓	✓			
Art	VPA	✓	✓	✓		
# Education	VPA		✓		✓	
Art History	VPA			✓		
Art Therapy	VPA			✓		
Associate of Arts Degree (A.A.)	all colleges					
At-Risk Child & Youth Care	CASSH			✓		

Athletic Training	CSH					✓
Biochemistry w/ ASBMB Certification	CSH		✓			
Biology	CSH	✓	✓	✓		✓
# Aquatic Science Concentration	CSH	✓	✓			✓
# Biomedical Science Concentration	CSH	✓	✓			
# Cellular and Molecular Biology Concentration	CSH					✓
# Environmental Science Concentration	CSH	✓	✓			✓
# Molecular Genetics and Cell Biology Concentration	CSH	✓	✓			
# Nurse Anesthesia Concentration	CSH					✓
# Physiology Concentration	CSH					✓
# Plant & Fungal Biology Concentration	CSH	✓	✓			
# Science Education	CSH		✓		✓	
# Bachelor of Science in Biology & Doctor of Physical Therapy Dual Degree Program	CSH		✓			✓
Broadfield Social Studies Education	CASSH		✓		✓	
# History Concentration	CASSH		✓		✓	
# Political Science Concentration	CASSH		✓		✓	
# Sociology Concentration	CASSH		✓		✓	
Business Administration	CBA					✓ <sup>2</sup>
Business Analytics	CBA		✓	✓		
Chemistry	CSH		✓	✓		
# ACS Certification	CSH		✓			
# Business Concentration	CSH		✓			
# Environmental Science Concentration	CSH		✓			

# Science Education	CSH	✓	✓	
# Bachelor of Science in Chemistry & Bachelor of Science in Engineering Dual Degree Program <sup>3</sup>	CSH	✓✓		
<b>Chinese Studies</b> <sup>4</sup>	CASSH		✓	
<b>Clinical Exercise Physiology</b>	CSH			✓
<b>Clinical Laboratory Science</b>	CSH	✓		
# Bachelor of Science in Clinical Laboratory Science & Master of Science in Clinical Microbiology Dual Degree Program	CSH	✓		✓
<b>Coaching Competitive Athletics</b> <sup>5</sup>	CSH			
<b>Communication Studies</b>	CASSH			
# Interpersonal Communication Emphasis	CASSH	✓	✓	✓
# Media Studies Emphasis	CASSH	✓	✓	✓
# Organizational & Professional Communication Emphasis	CASSH	✓	✓	✓
# Public Communication & Advocacy Emphasis	CASSH	✓	✓	✓
<b>Communication, Writing, and Critical Reasoning</b>	CSH		✓	
<b>Computational Science</b>	CSH		✓	
<b>Computer Engineering</b>	CSH	✓		
<b>Computer Science</b>	CSH	✓	✓	
# Computer Engineering Technology Emphasis	CSH	✓		

# Cybersecurity Emphasis	CSH		✓	
# Bachelor of Science in Computer Science & Bachelor of Science in Engineering Dual Degree Program <sup>3</sup>	CSH		✓✓	
# Bachelor of Science in Computer Science & Master of Software Engineering Dual Degree Program	CSH		✓	✓
# Bachelor of Science in Computer Science: Cybersecurity & Master of Software Engineering Dual Degree Program	CSH		✓	✓
<b>Creative Writing</b>	CASSH		✓	
<b>Criminal Justice</b>	CASSH		✓	
<b>Cybersecurity</b> <sup>6</sup>	CASSH			✓
<b>Dance</b>	VPA		✓	
<b>Data Science</b> <sup>4,6</sup>	CSH			✓
<b>Digital Media Studies &amp; Design</b>	CASSH		✓	
<b>Digital Marketing</b>	CBA			
# Digital Marketing Analytics Certificate <sup>6,7</sup>	CBA			✓
# Digital Marketing Management Certificate <sup>6,7</sup>	CBA			✓
<b>Earth Science</b>	CSH		✓	
<b>Economics (CBA)</b>	CBA		✓	✓
<b>Economics (CASSH)</b>	CASSH	✓	✓	
<b>Education, teacher certification - see Teacher Education</b>				
<b>English</b>	CASSH			
# Education	CASSH		✓	✓

# Language and Literature	CASSH		✓	
# Literary and Cultural Studies Emphasis	CASSH	✓		✓
# Medical Professions Emphasis	CASSH	✓	✓	
# Writing & Rhetoric Studies Emphasis	CASSH	✓		
<b>Ethics</b>	CASSH			✓
<b>Exercise and Sport Science</b>	CSH			
# Exercise Science Emphasis: Fitness Track	CSH		✓	
# Exercise Science Emphasis: Pre-Professional Track	CSH		✓	
# Physical, Adapted, and School Health Education (PASHE)	CSH	✓		✓
# Physical Education Teaching	CSH			✓ <sup>8</sup>
# Sport Management Emphasis	CSH		✓	
# Bachelor of Science in Exercise Science: Pre-Professional Track & Master of Science in Athletic Training Dual Degree Program	CSH	✓		✓
<b>Finance</b>	CBA		✓	
# Risk, Insurance & Financial Planning Concentration	CBA		✓	
<b>Financial Technology (FinTech)</b>	CSH			✓
# Emerging Technologies in FinTech Certificate <sup>6,7</sup>	CSH			✓
# Leading FinTech Transformation Certificate <sup>6,7</sup>	CSH			✓

<b>French</b> <sup>4</sup>	CASSH	✓		✓
# Business Concentration	CASSH	✓		
# Education	CASSH		✓	✓
# Education & Teaching English to Speakers of Other Languages	CASSH		✓	✓
<b>General Science for Teachers</b>	CSH			✓
<b>Geography</b>	CSH			
# Environmental Science Concentration	CSH	✓	✓	
# Fundamentals of Geographic Information Science Certificate <sup>9</sup>	CSH			✓
# Geographic Information Science Concentration <sup>4</sup>	CSH	✓	✓	✓
# Humans and the Environment Emphasis	CSH	✓	✓	
<b>Geoarchaeology</b>	CSH			✓
<b>German Studies</b>	CASSH	✓		✓
# Business Concentration	CASSH	✓		
<b>Gerontology Certificate</b> <sup>10</sup>	CASSH			
<b>Healthcare Administration</b> <sup>6</sup>	CSH			✓
# Senior Living and Services Leadership Certificate ( <a href="http://catalog.uwlax.edu/graduate/programrequirement/healthcareadmin/senior-living-and-services-leadership-certificate/">http://catalog.uwlax.edu/graduate/programrequirement/healthcareadmin/senior-living-and-services-leadership-certificate/</a> ) <sup>6,7</sup>	CSH			✓
<b>Healthcare Analytics Management</b>	CBA			✓
<b>History</b>	CASSH			✓
# Regional Emphasis	CASSH	✓	✓	
# Topical Emphasis	CASSH	✓	✓	
# World History	CASSH	✓	✓	

<b>Hmong and Hmong-American Studies Certificate</b> <sup>10</sup>	CASSH				
<b>Human Rights and Criminal Justice Certificate</b> <sup>10</sup>	CASSH				
<b>Human and Environmental Geography</b>	CSH		✓		
<b>Inclusive Recreation</b>	CSH		✓		
<b>Information Systems</b>	CBA	✓	✓		
<b>Information Technology Management</b> <sup>6</sup>	CSH				✓
<b># Enterprise Infrastructure Certificate</b> <sup>6,7</sup>	CSH				✓
<b># IT Leadership Certificate</b> <sup>6,7</sup>	CSH				✓
<b># IT Operations Certificate</b> <sup>6,7</sup>	CSH				✓
<b>International Business</b>	CBA	✓	✓		
<b>International and Global Studies</b>	CASSH		✓		
<b>Leadership Development</b>	CASSH		✓		
<b>Legal Studies</b>	CASSH		✓		
<b>Linguistics</b>	CASSH		✓		
<b>Management</b>	CBA	✓			
<b>Marketing</b>	CBA	✓			
<b>Mathematics</b>	CSH	✓	✓	✓	
<b># Applied Emphasis</b>	CSH	✓	✓		
<b># Education</b>	CSH	✓		✓	
<b># Bachelor of Science in Mathematics &amp; Bachelor of Science in Engineering Dual Degree Program</b> <sup>3</sup>	CSH	✓✓			
<b>Mathematics for Teachers</b>	CSH		✓		
<b>Medical Dosimetry</b>	CSH				✓
<b>Microbiology</b>	CSH	✓	✓		✓
<b># Biomedical Concentration</b>	CSH	✓			
<b># Business Concentration</b>	CSH	✓			
<b># Clinical Microbiology Concentration</b>	CSH				✓
<b># Environmental Concentration</b>	CSH		✓		
<b>Military Science</b>	CASSH			✓	
<b>Music</b>	VPA			✓	
<b># Education: Choral &amp; General Music Education Emphasis</b>	VPA	✓		✓	
<b># Education: Instrumental &amp; General Music Education Emphasis</b>	VPA	✓		✓	
<b># Jazz Performance Emphasis</b>	VPA	✓	✓		
<b># Performance Emphasis</b>	VPA	✓	✓		
<b># Piano Pedagogy</b>	VPA	✓	✓		
<b># Theory Emphasis</b>	VPA	✓	✓		
<b>Music Performance</b>	VPA				✓
<b>Neuroscience (Interdisciplinary)</b>	CASSH				✓
<b>Nuclear Medicine Technology</b>	CSH		✓		
<b>Nutrition</b>	CSH			✓	
<b>Occupational Therapy</b>	CSH				✓
<b>Philosophy</b>	CASSH	✓	✓	✓	
<b>Photography</b>	VPA			✓	
<b>Physical Therapy</b>	CSH				✓
<b>Physician Assistant Studies</b>	CSH				✓
<b>Physics</b>	CSH	✓	✓	✓	
<b># Applied Emphasis</b>	CSH		✓		
<b># Astronomy Emphasis</b>	CSH	✓	✓	✓	
<b># Biomedical Concentration</b>	CSH		✓		
<b># Business Concentration</b>	CSH		✓		
<b># Computational Physics Emphasis</b>	CSH		✓		
<b># Optics Emphasis</b>	CSH		✓		
<b># Science Education</b>	CSH		✓		✓

# Bachelor of Science in Physics & Bachelor of Science in Engineering Dual Degree Program <sup>3</sup>	CSH	√√		
# Bachelor of Science in Physics & Doctor of Physical Therapy Dual Degree Program	CSH	√		√
<b>Political Science</b> <sup>11</sup>	CASSH	√	√	√
<b>Professional &amp; Technical Writing</b> <sup>4</sup>	CASSH			√
<b>Psychology</b>	CASSH	√	√	√
<b>Public Administration</b>	CASSH	√	√	√
<b>Public Health and Community Health Education</b>	CSH		√	√ <sup>6</sup>
<b>Race, Gender, and Sexuality Studies</b>	CASSH	√	√	√
<b>Radiologic Science</b>	CSH			
# Radiation Therapy Emphasis	CSH		√	
# Radiologic Technology Emphasis	CSH		√	
# Diagnostic Medical Sonography with Echocardiography/Vascular Emphasis	CSH		√	
# Diagnostic Medical Sonography with General/Vascular Emphasis	CSH		√	
<b>Recreation Management</b>	CSH		√	√
# Community-Based Recreation Emphasis	CSH		√	
# Generalist Emphasis	CSH		√	

# Outdoor Recreation Emphasis	CSH		√	
# Professional Development	CSH			√
# Tourism and Event Management Emphasis	CSH		√	√
# Bachelor of Science in Recreation Management (four emphasis options) & Master of Science in Recreation Management Dual Degree Program	CSH		√	√
## Community-Based Recreation Emphasis	CSH		√	√
## Generalist Emphasis	CSH		√	√
## Outdoor Recreation Emphasis	CSH		√	√
## Tourism and Event Management Emphasis	CSH		√	√
<b>Recreational Therapy</b>	CSH		√	√
# Bachelor of Science in Recreational Therapy & Master of Science in Recreational Therapy Dual Degree Program	CSH		√	√
<b>Russian Studies Certificate</b> <sup>10</sup>	CASSH			
<b>School Psychology</b> <sup>12</sup>	CASSH			√
<b>Social Justice</b>	CASSH			√
<b>Sociology</b>	CASSH	√	√	√
<b>Society, Health, and Medicine Certificate</b> <sup>10</sup> (not currently accepting new students)	CASSH			
<b>Software Engineering</b>	CSH			√
<b>Spanish</b>	CASSH	√	√	
# Education	CASSH		√	√

# Education & Teaching English to Speakers of Other Languages	CASSH	✓	✓
<b>Spanish for Business and Organizations Certificate</b> <sup>10</sup>	CASSH		
<b>Spanish for Health Professions Certificate</b> <sup>10</sup>	CASSH		
<b>Statistics</b>	CSH	✓	✓
# Actuarial Science Concentration	CSH	✓	
# Applied Statistics	CSH		✓
# Bachelor of Science in Statistics & Master of Science in Applied Statistics Dual Degree Program	CSH	✓	✓
<b>Student Affairs Administration in Higher Education</b> <sup>13</sup>	CASSH		✓
<b>Student Affairs Administration and Leadership</b> <sup>6</sup>	CASSH		✓
# Higher Education Leadership Certificate <sup>6,7</sup>	CASSH		✓
<b>Sustainability and Environmental Studies</b>	CASSH		✓
<b>Sustainable Business</b>	CBA		✓
<b>Teacher Education Programs, undergraduate:</b>	SOE		
# Early Childhood Education (birth - grade 3)	SOE	✓	✓
# Elementary/ Middle Education (grades K-9)	SOE	✓	✓

# Elementary/ Middle Education (grades K-9) & French Education (grades K-12)	SOE	✓	✓
# Elementary/ Middle Education (grades K-9) & Spanish Education (grades K-12)	SOE	✓	✓
# Elementary/ Middle Education (grades K-9) & Special Education (grades K-12)	SOE	✓	✓
# Elementary/ Middle Education (grades K-9) & Teaching English to Speakers of Other Languages (grades K-12)	SOE	✓	✓
# Middle/ High School Education (grades 4-12)	CASSH, CSH	✓ <sup>14</sup>	✓
# Grades K-12 Education	CASSH	✓ <sup>15</sup>	✓
<b>Teacher Education Programs, graduate:</b> <sup>16</sup>	SOE		
# Director of Instruction (5010) Add-Certification	SOE		✓
# Educational Leadership (5051) Certificate <sup>7</sup>	SOE		✓
# Professional Learning Community Certificate <sup>7</sup>	SOE		✓
# Professional Development - Learning Community Emphasis	SOE		✓

# Professional Development - Educational Leadership Emphasis	SOE				✓
# Reading, non-certification	SOE				✓
# Reading Teacher (1316)	SOE		✓		✓ <sup>17</sup>
# Reading Specialist (5017)	SOE		✓ <sup>18</sup>		✓
# Reading Teacher (1316) and Reading Specialist (5017)	SOE		✓		✓
# Special Education Certificate <sup>7</sup>	SOE		✓		✓
<b>Teaching English to Speakers of Other Languages</b>	SOE		✓	✓ <sup>19</sup>	✓ <sup>19</sup>
<b>Theatre Arts</b>	VPA				
# Arts Administration Emphasis	VPA	✓	✓	✓	
# Design/Technical Emphasis	VPA	✓	✓	✓	
# General Emphasis	VPA	✓	✓	✓	
# Musical Theatre Emphasis	VPA	✓	✓		
# Performance Emphasis	VPA	✓	✓	✓	
# Stage Management Emphasis	VPA	✓	✓	✓	

<sup>1</sup> Emphasis available only with M.S. ESS Phy Ed Teaching program. The M.S. Phy Ed Program with the Adventure/Outdoor Pursuits Emphasis is offered in both in-person and hybrid/blended formats.

<sup>2</sup> Open for non-CBA majors only.

<sup>3</sup> The engineering program & the second Bachelor of Science degree are offered through a partnering institution. Contact the UWL department offering the dual degree program to find out more.

<sup>4</sup> Certificate also available.

<sup>5</sup> Concentration only. Open to all majors.

<sup>6</sup> Online program only.

<sup>7</sup> Graduate certificate only.

<sup>8</sup> Program includes emphasis options in Adapted Physical Education and Adventure/Outdoor Pursuits. The M.S. with Adventure/Outdoor Pursuits Emphasis is offered in both in-person and hybrid/blended formats.

<sup>9</sup> Graduate certificate. Only open to degree-seeking UWL graduate students.

<sup>10</sup> Open to degree-seeking, undergraduate students only. Available as certificate only.

<sup>11</sup> All courses included in this major's requirements may be taken online.

<sup>12</sup> Inperson and online options available.

<sup>13</sup> Hybrid/blended (in-person and online courses) and online programs available.

<sup>14</sup> Middle/high school education majors housed in the respective content department. Departments include: Biology, Chemistry, English, History, Mathematics, Political Science, Physics, and Sociology.

<sup>15</sup> Grades K-12 education majors housed in the respective content department. Departments include: Art, Exercise and Sport Science, Music, and Global Cultures and Languages (French & Spanish).

<sup>16</sup> Online, hybrid, and face-to-face options available.

<sup>17</sup> Reading Teacher (1316) Certificate available.

<sup>18</sup> Reading Specialist (5017) add-on certification available.

<sup>19</sup> Graduate certificate only. Only completing the graduate certificate qualifies candidates for teacher certification in this area.

**Dual Degree Programs:**

(College of Science and Health)

Programs	Degrees
Biology & Physical Therapy	BS/DPT
Chemistry & Engineering	BS/BS
Clinical Laboratory Science & Clinical Microbiology	BS/MS
Computer Science & Engineering	BS/BS
Computer Science & Software Engineering	BS/MSE
Computer Science: Cybersecurity Emphasis & Software Engineering	BS/MSE
Computer Science: Embedded Systems Emphasis & Software Engineering	BS/MSE
Exercise Science: Pre-Professional Track & Athletic Training	BA/BS
Mathematics & Engineering	BS/BS
Physics & Engineering	BS/BS
Physics & Physical Therapy	BS/DPT
Recreation Management: Community-Based Recreation & Recreation Management	BS/MS
Recreation Management: Generalist & Recreation Management	BS/MS
Recreation Management: Outdoor Recreation & Recreation Management	BS/MS
Recreation Management: Tourism/Event Management & Recreation Management	BS/MS
Statistics & Applied Statistics	BS/MS
Therapeutic Recreation	BS/MS

**Pre-Professional Fields:**

(College of Science and Health)

Pre-Athletic Training
Pre-Chiropractic
Pre-Clinical Exercise Physiology

- Pre-Dentistry
- Pre-Engineering
- Pre-Forestry
- Pre-Genetic Counseling
- Pre-Medical Dosimetry
- Pre-Medicine
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Osteopathic Medicine
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician Assistant Studies
- Pre-Podiatry
- Pre-Veterinary

(College of Arts, Social Sciences, and Humanities)

Pre-Law