

Guided Studies Concentrations—INFO SHEETS (Rev. 1/21)

Creativity and Aesthetics

The Arts concentration includes subjects and disciplines related to studying and/or creating art, including but not limited to literature and other verbal arts, visual and decorative arts, music, performing arts, culinary arts, and architecture.

PROGRAMS

***Highly Structured Programs:** because of accreditation, especially tight course sequencing, and/or special admission/placement processes, Highly Structured Programs require students to officially declare these majors to progress through the highly scheduled sequences at a reasonable rate. In many cases, particular courses in the major are only open to students who have declared that major. While all programs benefit from early and firm commitment, Highly Structured majors need to be declared as early as possible in order to avoid significant delays in progress and accumulating courses that do not fit into the desired program.

Related Transfer Majors at Bucks

Art and Art History (1201)
Dance (1206)
Cinema Video Production (1181)*
English (1200); Fine Arts (1001)*
Fine Woodworking (1187)
Graphic Design (1110)
Journalism (1045)
Liberal Arts (1002)
Music (1019)*
Multimedia (1175)*
Photography (1195)*

Related Occupational Majors at Bucks

Brewing and Fermentation Science (2194)
Chef Apprenticeship: Foods Emphasis (2056)*
Chef Apprenticeship: Pastry Emphasis (2098)*

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware County Community Colleges. Students who elect to pursue the major(s) listed below at the designated community college(s) must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

Architecture at Community College of Philadelphia

Game Simulation and Design at Montgomery County Community College
Interior Design at Community College of Philadelphia
Sound Recording and Music Technology at Community College of Philadelphia
Theater at Montgomery County Community College

Related Credit Certificates at Bucks

Applied Photography (3185)
Baking and Pastry Certificate (3150)
Furniture and Cabinetmaking (3187)
Web Design and Multimedia (3147)
Culinary Arts (3154)
Historic Preservation (3127)
Social Media and Digital Marketing (3099)

Related Non-Credit Certificates and/or Programs at Bucks

Floral Design Certificate Program
Fashion Design Program
Certificate in Non-Profit Administration

Common names for related majors at other institutions

Film, Advertising, Architecture, Theater, Dance

COURSES

Fork courses: these courses reflect an option of two similar courses which represent a "fork in the road" for students, because they are requirements for DIFFERENT programs and are NOT interchangeable in many cases. Usually one of these courses is at a higher level than the other and requires different pre-requisites. Students need to choose VERY carefully so that they don't have to back-track and take the other course. For example: students interested in a major requiring BIOL121 as a preliminary biology courses should NOT take BIOL101, but rather aim for the CHEM prerequisite for BIOL121. Fork courses are marked by and "or" choice and the parenthetical phrase "FORK: consider potential POS."

§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: COMT, CULN, HOSP, JOUR, LITR, VACV,
VAFA, VAGD, VAMM, VAPH, VAFW

§BRFS101 Introduction to Brewing Science
COMP115 Creative Writing I
COMP116 Creative Writing II
§CULN120** Basic Food Preparation and Management
§CULN130** Baking and Decorating – Techniques and Procedures
§REA151** Bread Fabrication – Basic
DANC101** Fundamentals of Modern Dance
DANC102 Beginner Modern Dance
DANC105** Fundamentals of Classical Ballet
DANC106 Beginner Classical Ballet
§DANC107** Freshman Seminar in Dance
EDUC200** Integrated Arts, Movement, and Play
HIST194** Historic Preservation Planning and Sustainability
HIST195** Historical Archeology
HIST197** History and Theory of Historic Preservation
§HIST198** History: American Architecture
HIST199** Historic Property Research and Documentation
HIST201** Building Conservation
HIST202** Law, Taxes, and Zoning for Historic Preservation
HIST203 Internship for Historic Preservation
HIST204** Oral History
HIST206** Restoration Workshop
HIST208** History, Society, and Architecture in the Delaware Valley
HIST210** Topics in Historic Preservation
HIST219** Management of Historic Sites
HIST239** (MUSC107**) American Pop Culture: History of Rock
§HOSP100** Introduction to Tourism and Hospitality
§HOSP106** Sanitation and Safety (Certification Course)
HUMN111** Ancient World: Culture and Ideas
HUMN112** Medieval and Renaissance World: Culture and Ideas
HUMN113** Early Modern World: Culture and Ideas
HUMN114** Modern World and Beyond: Culture and Ideas
§JOUR175 News Reporting and Writing
KINS126** Modern Dance
KINS175** Dance: Square and Folk
§LITR courses
MKTG220** Digital Marketing
MGMT155** Introduction to Entrepreneurship
§MUSC100 Music Fundamentals
§MUSC101** Introduction to Music
MUSC103** World Music
MUSC105** American Music
MUSC106** History of Jazz
MUSC107** (HIST239**) American Pop Culture: History of Rock

MUSC124** Music Technology
MUSL111 Principal Lesson I
MUSL112 Principal Lesson II
§MUSE101 Concert Choir
§MUSE115 Jazz Orchestra
§MUSE140 Percussion Ensemble
§MUSE201 Madrigal Singers
§PHIL145** Aesthetics
§VACV135** Video Studio Production I
§VAFA101** 2-D Design Fundamentals
§VAFA102** 3-D Design Fundamentals
§VAFA100** Drawing I
§VAFA191 Art History Before 1450
§VAFA192 Art History After 1450
§VAFA193 History of Modern Art
§VAFW100** Fine Woodworking Fundamentals
§VAMM100** Digital Imaging
§VAPH110** Digital Photography Fundamentals
§VAPH151** Introduction to Photography

Culture and Society

The Culture and Society concentration includes both qualitative and quantitative social sciences (e.g. geography, sociology, anthropology, psychology, political science, economics), as well as humanistic fields and disciplines that analyze human culture (e.g. religion, gender studies, cultural studies, history).

PROGRAMS

***Highly Structured Programs:** because of accreditation, especially tight course sequencing, and/or special admission/placement processes, Highly Structured Programs require students to officially declare these majors to progress through the highly scheduled sequences at a reasonable rate. In many cases, particular courses in the major are only open to students who have declared that major. While all programs benefit from early and firm commitment, Highly Structured majors need to be declared as early as possible in order to avoid significant delays in progress and accumulating courses that do not fit into the desired program.

Related Transfer Majors at Bucks

Criminal Justice (1189)
English (1200)
Global Studies/World Languages (1204)
History (1196)
Journalism (1045)
Liberal Arts (1002)
Psychology: Interpersonal Emphasis (1183)
Psychology: Pre-Professional Emphasis (1060)
Secondary Education: History (1180)
Social Science (1059)
Social Work (1130)

Related Occupational Majors at Bucks

Paralegal Studies (2128)*

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware County Community Colleges. Students who elect to pursue the major(s) listed below at the designated community college(s) must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

Human Resources at Montgomery County Community College

Related Credit Certificates at Bucks

Paralegal (3129)
Historic Preservation (3127)

Related Non-Credit Certificates and/or Programs at Bucks
Certificate in Non-Profit Administration

Common names for related majors at other institutions

Sociology, Anthropology, Cultural Anthropology, Cultural Studies, Folklore, Area Studies (or any particular world language/region), Geography, International Studies, Intercultural Studies, International Relations, International Business, Global Studies, Social Psychology, Comparative Literature, Ethnology, Diversity Studies, Organizational Dynamics, Popular Culture, Religion, Theology, Economics, Political Science, American Studies

COURSES

Fork courses: these courses reflect an option of two similar courses which represent a "fork in the road" for students, because they are requirements for DIFFERENT programs and are NOT interchangeable in many cases. Usually one of these courses is at a higher level than the other and requires different pre-requisites. Students need to choose VERY carefully so that they don't have to back-track and take the other course. For example: students interested in a major requiring BIOL121 as a preliminary biology courses should NOT take BIOL101, but rather aim for the CHEM prerequisite for BIOL121. Fork courses are marked by and "or" choice and the parenthetical phrase "FORK: consider potential POS."

§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: CRIJ, ECON, HIST, POLI, PSYC, SOCI, SSWK, or LITR course (EXCEPT LITR271, 273, 275, 277, 279)

Up to 2 courses in a world language (including American Sign Language): students who place beyond the first two courses will need a substitution from the department

§AMSL110** American Sign Language I

AMSL111** American Sign Language II

§ARBC110** Elementary Arabic I

ARBC111** Elementary Arabic II

§CHNS110** Elementary Chinese I

CHNS111** Elementary Chinese II

COMM111** Media and Society

§COMM215 Intercultural Communication
 §CRIJ100 Introduction to the Administration of Criminal Justice
 §ECON111** Principles of Economics - Macro
 §ECON112** Principles of Economics - Micro
 §FREN110** Elementary French I
 FREN111** Elementary French II
 §GEOG110** World Geography
 §GRMN110** Elementary German I
 GRMN111** Elementary German II
 §EDUC100 Foundations of Education
 §HIST114** Global History: Modern World
 HIST195** Historical Archeology
 §HIST197** History and Theory of Historic Preservation
 HLTH200** Introduction to Women's Health Issues
 HUMN120** Survey of World Religions
 HUMN121 Christianity
 HUMN122** Buddhism – An Introduction
 HUMN125** Religion in America
 HUMN126** Science and Religion
 HUMN128** Holy War, Holy Peace in Islam, Judaism, Christianity
 HUMN129** Eastern Religions
 §ITAL110** Elementary Italian I
 ITAL111** Elementary Italian II
 JOUR277 Public Affairs Reporting
 §JPNS101** Elementary Japanese I
 JPNS102** Elementary Japanese II
 §LAWS100** Introduction to Paralegal Studies
 MATH115 Elementary Statistics
 MUSC103** World Music
 MUSC105** American Music
 POLI212**
 §PSYC100** Psychology of Personal Awareness
 §PSYC110 Introduction to Psychology
 §SOC110** Introduction to Sociology
 §SOC120** Introduction to Cultural Anthropology
 §SOC150** Criminology
 §SPAN110** Elementary Spanish I
 SPAN111** Elementary Spanish II
 §SSWK110** Introduction to Social Work and Social Welfare
 §WMST110** Introduction to Gender Studies

Helping Professions and Public Service

The Helping Professions and Public Service concentration includes study related to what are commonly called the "helping professions," as well as other fields involving service in the public interest: education, psychology, social work, various therapies, fire science, and emergency management.

PROGRAMS

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Related Transfer Majors at Bucks

Biomedical Sciences (1105)
Business Administration (1009)
Communication Studies (1120)
Criminal Justice (1189)
English (1200)
Health Science (1108, Nurse Potential Emphasis*)
Health and Physical Education (1031)
Liberal Arts (1002)
Neuroscience (1194)
Pre K- 4 Early Education (4192)*
Psychology: Interpersonal Emphasis (1183)
Psychology: Pre-Professional Emphasis (1060)
Secondary Education: History (1180)
Secondary Education: Mathematics (1177)
Social Work (1130)

Related Occupational Majors at Bucks

Education: Paraprofessional Instructional Assistant (2034)
Emergency Management (2178)
Fire Science (2158)
Health Information Technology (2191)
Medical Assistant (2131)
Nursing (2035)*
Radiography (2202)*

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware

County Community Colleges under this plan. Students who elect to enroll at these community colleges must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

American Sign Language/Interpreter at Community College of Philadelphia
Dental Hygiene at Community College of Philadelphia
Dental Hygiene at Montgomery County Community College
Human Services at Montgomery County Community College

Related Credit Certificates at Bucks

Emergency Management Certificate (3179)
Fire Prevention and Investigation (3144)
Fire Science (3143)
Health Coach (3203)
Magnetic Resonance Imaging (3201; a POST-GRADUATE certificate)
Medical Assistant (3199)
Medical Administrative Specialist (3148)
Phlebotomy (3166)
Recreational Leadership (3190)
Early Childhood Education (3198)

Related Non-Credit Certificates and/or Programs at Bucks

Child Development Associate (CDA) Certificate Program
LEED Green Associate credential
Civil Sitework Construction certificate
Certificate in Non-Profit Administration

Common names for related majors at other institutions

Music Therapy, Art Therapy

COURSES

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requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES, **=no prereqs or coreqs

Courses beginning with the following prefixes: CRIJ, EDUC, FRSC, HLTH, MEDA, NEUR, PSYC, PUBS, SSWK, WMST

Up to 2 courses in a world language (including American Sign Language): students who place beyond the first two courses will need a substitution from the department

BIOL181 Human Anatomy and Physiology I OR BIOL115 Basic Human Anatomy (FORK: consider potential POS)

§CHEM101 Chemistry A or CHEM121 Chemistry I (FORK: consider potential POS)

§COMM101** Communication Theory

§COMM105** Interpersonal Communication

COMM215 Intercultural Communication

COMP115 Creative Writing I

§CRIJ100 Introduction to the Administration of Criminal Justice

§EDUC100 Foundations of Education or EDUC105 Foundations for Early Learning PreK – 4 (FORK: consider potential POS)

§FRSC100** Introduction to Fire Science

FRSC114** Principles of Fire and Emergency Services Safety and Survival

§HITT190** Introduction to Health Information Technology

§HLTH103** Life and Health

§HLTH110** Responding to Emergencies

§HLTH120 Nutrition or §HLTH120N Nutrition with a Registered Dietician (FORK: consider potential POS)

KINS155** Lifeguarding

§KINS170** Individual Fitness and Wellness

§KINS180** Foundations of Physical Education

KINS183** Movement and Physical Education for Early Childhood

KINS190** Introduction to Recreation Leadership

§MEDA120** Medical Terminology

§MEDA140** College Keyboarding and Document Processing

§MGMT100** Introduction to Business

MGMT250 Human Resource Management

§PSYC100** Psychology of Personal Awareness

§PSYC110 Introduction to Psychology

§PUBS101** Introduction to Emergency Management

§SOC110** Introduction to Sociology

SOC140** Peoples of America

SOC150** Criminology

SOC160** Marriage and the Family

SOC1230 Contemporary Social Problems

SPMT202** Facility Management and Event Planning
§SSWK110** Introduction to Social Work and Social Welfare

Humanities

The Humanities concentration includes subjects and disciplines related to communications, speech, rhetoric, travel, philosophy, religion, history, architecture, cultural studies, gender studies, and languages.

PROGRAMS

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Related Transfer Majors at Bucks

Communication Studies (1120)
English (1200)
Global Studies/World Languages (1204)
History (1196)
Journalism (1045)
Liberal Arts (1002)
Secondary Education: History (1180)

Related Occupational Majors at Bucks

Hospitality Management (2022)
Meeting, Convention and Event Planning (2171)

Related Shared Majors

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American Sign Language/Interpreter at Community College of Philadelphia
Architecture at Community College of Philadelphia
Theater at Montgomery County Community College

Related Credit Certificates at Bucks

Historic Preservation (3127)

Related Non-Credit Certificates and/or Programs at Bucks

Certificate in Non-Profit Administration

Common names for related majors at other institutions

Comparative Literature, American Studies, Humanities, Philosophy, Folklore, Speech and Rhetoric, Gender Studies, Women's Studies, Religion, Popular Culture, world languages (e.g. French, Spanish)

COURSES

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****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: COMM, JOUR, LITR, PHIL

Up to 2 courses in a world language (including American Sign Language): students who place beyond the first two courses will need a substitution from the department

CLTR220 Introduction to Folklore Studies

§COMP111 English Composition II

COMT101** Introduction to Theatre

EDUC100 Foundations of Education

§3-credit HIST courses

HLTH200** Introduction to Women's Health Issues

§HOSP100** Introduction to Tourism and Hospitality

§HUMN courses

§JOUR175 News Reporting and Writing

§LITR courses

MGMT100** Introduction to Business

MUSC100** Music Fundamentals

MUSC101** Introduction to Music

MUSC103** World Music
MUSC107** American Pop Culture: History of Rock
§PHIL125** Introduction to Philosophy
VACV141 The Art of Independent Cinema
VACV142 The Art of Theatrical Cinema
§VAFA191 Art History Before 1450
§VAFA192 Art History After 1450
§VAFA193 History of Modern Art
VAFA194 American Art History
VAFA195 Non-Western Art History
VAFW100** Fine Woodworking Fundamentals
VAFW190 History of American Furniture
VAGD190 Graphic Design History
VAPH196 History of Photography
§WMST110 Introduction to Gender Studies

Management, Leadership, Entrepreneurship, and Business

The Management, Leadership, Entrepreneurship, and Business concentration includes subject areas related to leadership, government, for-profit and not-for-profit businesses, finance, and administration.

PROGRAMS

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Related Transfer Majors at Bucks

Business Administration (1009)
Communication Studies (1120)
Global Studies/World Languages (1204)
Social Work (1130)
Sport Management (1154)

Related Occupational Majors at Bucks

Accounting and Analytics (2019)
Brewing and Fermentation Science (2194)
Business (2204)
Emergency Management (2178)
Hospitality Management (2022)
Medical Laboratory Technician (2203)
Meeting, Convention and Event Planning (2171)
Paralegal Studies (2128)*

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware County Community Colleges under this plan. Students who elect to enroll at these community colleges must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

Facilities Management at Community College of Philadelphia
Human Services at Montgomery County Community College

Related Credit Certificates at Bucks

Business Analytics (3202); Emergency Management Certificate (3179); Meeting, Convention, and Event Planning (3172); Medical Administrative Specialist (3148); Medical Coding/Billing

(3174); Paralegal (3129); Recreational Leadership (3190); Social Media and Digital Marketing (3099)

Related Non-Credit Certificates and/or Programs at Bucks

Construction Project Management certificate; Construction Supervision certificate; Construction Supervision Emphasis in Building certificate; Construction Supervision Emphasis in Civil Sitework certificate; Certificate in Non-Profit Administration

Common names for related majors at other institutions

International Business, Organizational Dynamics, Public Administration

COURSES

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CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: ACCT, PUBS, MGMT, MKTG POLI
§ACCT103** Introductory Accounting or ACCT105 Financial Accounting (FORK: consider potential POS)

§BRFS101 Introduction to Brewing Science

CISC127 Spreadsheet Concepts and Applications

COMM101** Communication Theory

COMM105** Interpersonal Communication

COMM215 Intercultural Communication

COMP114 Technical Writing

CRIJ100 Introduction to the Administration of Criminal Justice

CRIJ250 Police Organization and Administration

CRIJ275 Introduction to Correctional Administration
§ECON111** Principles of Economics—Macro
§ECON112** Principles of Economics—Micro
ECON130** Introduction to Labor Relations
HLTH110** Responding to Emergencies
HIST219** Management of Historic Sites
§HOSP100** Introduction to Tourism and Hospitality
HOSP110 Hospitality Financial Management
HOSP111** Conference and Business Meeting Planning
HOSP200 Hotel and Lodgings Operations Management
§KINS190** Introduction to Recreation Leadership
§LAWS100** Introduction to Paralegal Studies
MEDA140** College Keyboarding and Document Processing
MEDA215 Medical Administrative Procedures
§MGMT100 Introduction to Business
§MGMT110** Small Business Management
MGMT122 Introduction to Business Analytics
§MGMT155** Introduction to Entrepreneurship
§MKTG220** Digital Marketing
§MKTG230** Social Media Marketing
§POLI120** American State and Local Government
POLI212** International Relations
PSYC105 Introduction to Group Dynamics
§PUBS101** Introduction to Emergency Management
§REAL101** Real Estate Fundamentals
REAL102 Real Estate Practice and Liability
§SOC110** Introduction to Sociology
§SPMT200** Introduction to Sport Management
SPMT202 Facility Management and Event Planning
SSWK110** Introduction to Social Work and Social Welfare

Media and Technology

The Media and Technology concentration includes telecommunications, electronic, and digital technologies, as well as the subject material commonly employing such technologies (e.g. social media, journalism, advertising, and cinema).

PROGRAMS

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Related Transfer Majors at Bucks

Cinema Video Production (1181)*

Communication Studies (1120)

Cybersecurity (1203)

Graphic Design (1110)

Information Science (1102)

Journalism (1045)

Multimedia (1175)*

Photography (1195)*

Related Occupational Majors at Bucks

Health Information Technology (2191)

Information Technology Studies (2164)

Related Shared Majors

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Game Simulation and Design at Montgomery County Community College

Sound Recording and Music Technology at Community College of Philadelphia

Related Credit Certificates at Bucks

Applied Photography (3185)

Magnetic Resonance Imaging (3201; a POST-GRADUATE certificate)

Social Media and Digital Marketing (3099)

Web Design and Multimedia (3147)

Related Non-Credit Certificates and/or Programs at Bucks

Common names for related majors at other institutions

Media Studies, Cultural Studies, Popular Culture, Telecommunications, Game Design, Digital Media, Communications

COURSES

Fork courses: these courses reflect an option of two similar courses which represent a "fork in the road" for students, because they are requirements for DIFFERENT programs and are NOT interchangeable in many cases. Usually one of these courses is at a higher level than the other and requires different pre-requisites. Students need to choose VERY carefully so that they don't have to back-track and take the other course. For example: students interested in a major requiring BIOL121 as a preliminary biology courses should NOT take BIOL101, but rather aim for the CHEM prerequisite for BIOL121. Fork courses are marked by and "or" choice and the parenthetical phrase "FORK: consider potential POS."

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****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: JOUR, VACV, VAGD, VAMM

§CISC115 Computer Science I

CISC122 Computer Science II

CISC128** Comparative Operating Systems

CISC135 Programming for Mobile Devices

CISC143 Essentials of Networking

CISC227 Web Programming

§COMM101** Communication Theory

§COMM111** Media and Society

COMT103** Introduction to Acting

§HITT190** Introduction to Health Information Technology

MEDA120** Medical Terminology

MGMT100** Introduction to Business

MKTG200** Advertising

§MKTG220** Digital Marketing

§MKTG230** Social Media Marketing
§VACV135** Video Studio Production I
§VAFA101** 2-D Design Fundamentals
§VAFA104 2-D Design Color
§VAMM100** Digital Imaging
§VAPH110** Digital Photography Fundamentals
VAPH210 Digital Photography II

Numbers, Engineering, and Computer Technology

Please note: because of the extended math sequencing in many of the areas within this concentration, some students might need to begin this Concentration after taking one or more preliminary math courses.

The Numbers, Engineering, and Computer Technology concentration includes disciplines and fields related to mathematics, accounting, computer software and hardware, and engineering.

PROGRAMS

***Highly Structured Programs:** because of accreditation, especially tight course sequencing, and/or special admission/placement processes, Highly Structured Programs require students to officially declare these majors to progress through the highly scheduled sequences at a reasonable rate. In many cases, particular courses in the major are only open to students who have declared that major. While all programs benefit from early and firm commitment, Highly Structured majors need to be declared as early as possible in order to avoid significant delays in progress and accumulating courses that do not fit into the desired program.

Related Transfer Majors at Bucks

Business Administration (1009)
Computer Science (1103)
Cybersecurity (1203)
Data Science (1204)
Engineering (1028)*
Information Science (1102)
Mathematics (1006)
Secondary Education: Mathematics (1177)

Related Occupational Majors at Bucks

Accounting and Analytics (2019)
Engineering Technology (2193)
Computer Networking Technology (2136)
Health Information Technology (2191; Information Technology Studies (2164)

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware County Community Colleges. Students who elect to pursue the major(s) listed below at the designated community college(s) must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

Architecture at Community College of Philadelphia
Automated Manufacturing and Robotics at Delaware County Community College
Automotive Technology at Community College of Philadelphia

Computer Assisted Design Construction at Community College of Philadelphia
Cyber Security Certificate at Montgomery County Community College
Machine Tool Technology at Delaware County Community College
Mechanical Technology at Delaware County Community College
Respiratory Technology at Community College of Philadelphia

Related Credit Certificates at Bucks

Accounting and Taxation (3176); Business Analytics (3202); Meeting, Convention, and Event Planning (3172); Medical Coding/Billing (3174); Computer Networking Technology (3133); Computer Hardware Installation and Maintenance (3162)

Related Non-Credit Certificates and/or Programs at Bucks

Special Enrolled Agent Test Prep (tax practitioner); Industrial Maintenance Program (Electro-Mechanical); Construction Estimating Certificate; Game Simulation and Design (Montco); Medical Laboratory Technology (Montco); Software Engineering Certificate (Montco); Surgical Technology (Montco)

Common names for related majors at other institutions

COURSES

Fork courses: these courses reflect an option of two similar courses which represent a "fork in the road" for students, because they are requirements for DIFFERENT programs and are NOT interchangeable in many cases. Usually one of these courses is at a higher level than the other and requires different pre-requisites. Students need to choose VERY carefully so that they don't have to back-track and take the other course. For example: students interested in a major requiring BIOL121 as a preliminary biology courses should NOT take BIOL101, but rather aim for the CHEM prerequisite for BIOL121. Fork courses are marked by and "or" choice and the parenthetical phrase "FORK: consider potential POS."

§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: ACCT, CISC, ENGR, HITT

Any course at the 100-level or above with the prefix MATH EXCEPT MATH103 Intermediate Algebra

§ACCT103** Introductory Accounting or ACCT105 Financial Accounting (FORK: consider potential POS)

§CISC115 Computer Science I

§ENGR112 Engineering Design

§HITT190** Introduction to Health Information Technology

§MATH120 College Algebra or higher level Math course

MGMT120 Business Mathematics

MGMT122 Business Analytics

Science, Nature, and Health

Please note: this concentration is related to several majors with courses that require pre-requisite courses to be completed prior to taking the concentration gateway courses (e.g. HLTH120/120N, CHEM, BIOL), so students should be aware of requirements and prerequisites in potential programs of study.

The Science, Nature, and Health Concentration includes disciplines and fields related to physical, natural, health, and environmental sciences; as well as professions anchored in such study, such as nursing, wellness, health information technology, and kinesiology.

PROGRAMS

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Related Transfer Majors at Bucks

Biology (1003)
Biomedical Sciences (1105)
Chemistry (1004)
Environmental Science (1188)
Exercise Science (1197)
Health and Physical Education (1031)
Health Science (1108)*
Neuroscience (1194)
Psychology: Pre-Professional Emphasis (1060)
Science (1117)

Related Occupational Majors at Bucks

Biotechnology (2119)
Brewing and Fermentation Science (2194)
Fire Science (2158)
Health Information Technology (2191)
Medical Assistant (2131)
Medical Laboratory Assistant (2203)
Nursing (2035)*
Radiography (2202)*

Related Shared Majors

Students in shared majors may elect to take courses at Philadelphia, Montgomery, or Delaware County Community Colleges. Students who elect to pursue the major(s) listed below at the designated community college(s) must be authorized by the Dean of Enrollment Services and will pay the host college sponsored student rate for courses that they take at the host college.

Chemical Technician at Community College of Philadelphia
Dental Hygiene at Community College of Philadelphia
Dental Hygiene at Montgomery County Community College
Respiratory Technology at Community College of Philadelphia
Medical Laboratory Technology at Montgomery County Community College
Surgical Technology at Montgomery County Community College

Related Credit Certificates at Bucks

Fire Prevention and Investigation (3144)
Fire Science (3143)
Historic Preservation (3127)
Magnetic Resonance Imaging (3201; a POST-GRADUATE certificate)
Medical Assistant (3199)
Medical Administrative Specialist (3148)
Medical Coding/Billing (3174)
Phlebotomy (3166)
Biotechnology (3186)

Related Non-Credit Certificates and/or Programs at Bucks

LEED Green Associate credential, Medical Laboratory Technician Program

Common names for related majors at other institutions

Physics, Geology, Geography, Earth Science, Sustainability

COURSES

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§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution

requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: BIOL, BIOT, CHEM, EXSC, HITT, HLTH, MEDA, NEUR, PHYS, SCIE

§BIOL101 Biological Science I OR BIOL121 Biological Principles I (FORK: consider potential POS)

§BIOL115 Basic Human Anatomy or BIOL181 Human Anatomy and Physiology I (FORK: consider potential POS)

§BIOT105** Introduction to Biotechnology

§BRFS101 Introduction to Brewing Science

§CHEM101 Chemistry A or CHEM121 Chemistry I (FORK: consider potential POS)

COMM105** Interpersonal Communication

§FRSC100** Introduction to Fire Science

FRSC112** Fire Behavior and Combustion

FRSC202 Hazardous Materials

GEOG110** World Geography

HIST201** Building Conservation

§HITT190** Introduction to Health Information Technology

§HLTH103** Life and Health

§HLTH120 or HLTH120N Nutrition (FORK: consider potential POS)

HOSP106** Sanitation and Safety (Certification Course)

KINS180** Foundations of Physical Education or KINS183** Movement and Physical Education for Early Childhood (FORK: consider potential POS)

§MEDA120** Medical Terminology

§PSYC110 Introduction to Psychology

PSYC125** Psychological Techniques of Stress Management

PSYC180 Human Growth and Development

§SCIE105** Introduction to Environmental Science

Service Industries

The Service Industries concentration includes study related to what are commonly called the "service industries": e.g. food, hospitality, travel, finance, accounting, sports, information technology, wellness, retail.

PROGRAMS

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Related Transfer Majors at Bucks

Communication Studies (1120)
Cybersecurity (1203)
Business Administration (1009)
Computer Science (1103)
Exercise Science (1197)
Information Science (1102)
Multimedia (1175)*
Sport Management (1154)

Related Occupational Majors at Bucks

Accounting and Analytics (2019)
Brewing and Fermentation Science (2194)
Business (2204)
Chef Apprenticeship: Foods Emphasis (2056)*
Chef Apprenticeship: Pastry Emphasis (2098)*
Emergency Management (2178)
Health Information Technology (2191)
Hospitality Management (2022)
Information Technology Studies (2164)
Medical Assistant (2131)
Meeting, Convention and Event Planning (2171)
Paralegal Studies (2128)*

Related Shared Majors

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Facilities Management at Community College of Philadelphia
Interior Design at Community College of Philadelphia
Cyber Security Certificate at Montgomery County Community College
Software Engineering Certificate at Montgomery County Community College

Related Credit Certificates at Bucks

Accounting and Taxation (3176)
Baking and Pastry Certificate (3150)
Culinary Arts (3154)
Emergency Management Certificate (3179)
Meeting, Convention, and Event Planning (3172)
Paralegal (3129)
Medical Assistant (3199)
Medical Administrative Specialist (3148)
Medical Coding/Billing (3174)
Recreational Leadership (3190)
Social Media and Digital Marketing (3099)

Related Non-Credit Certificates and/or Programs at Bucks

Floral Design Certificate Program; Special Enrolled Agent Test Prep (tax practitioner); courses to prepare for Pennsylvania Real Estate Brokers License examination; Locomotive Engineer + Conductor Basic Training Program; Construction Estimating certificate; Construction Practices certificate

Common names for related majors at other institutions

Travel and Tourism

COURSES

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§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make

significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: ACCT, CISC, CULN, EXSC, HITT, HLTH (HLTH120/HLTH120—FORK: consider potential POS), HOSP, MEDA, MGMT, MKTG, PUBS, SPMT

§ACCT105 Financial Accounting

BIOL181 Human Anatomy and Physiology I

§BRFS101 Introduction to Brewing Science

§CISC115 Computer Science I

§COMM101** Communication Theory

COMM105** Interpersonal Communication

COMM215 Intercultural Communication

COMP114 Technical Writing

§CULN120** Basic Food Preparation and Management

§CULN130** Baking and Decorating – Techniques and Procedures

§CULN151** Bread Fabrication - Basic

§HITT190** Introduction to Health Information Technology

§HLTH103** Life and Health

HLTH110** Responding to Emergencies

§HOSP100** Introduction to Hospitality Management

§HOSP106** Sanitation and Safety (Certification Course)

§HOSP111** Conference and Business Meeting Planning

§KINS190** Introduction to Recreational Leadership

§LAWS100** Introduction to Paralegal Studies

§MEDA120** Medical Terminology

§MEDA140** College Keyboarding and Document Processing

§MGMT100** Introduction to Business

MKTG215 Principles of Marketing

§MKTG220** Digital Marketing

§MKTG230** Social Media Marketing

§PUBS101** Introduction to Emergency Management

§REAL101** Real Estate Fundamentals

REAL102 Real Estate Practice and Liability

§SPMT200** Introduction to Sport Management

§SPMT202** Facility Management and Event Planning

Words, Texts, and Communication

The Words, Texts, and Communication concentration includes disciplines and fields related to producing communicative informative texts, including speaking, writing, theater, office communication, research, and digital communication.

PROGRAMS

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Related Transfer Majors at Bucks

Business Administration (1009)
Cinema Video Production (1181)*
Communication Studies (1120)
English (1200)
Global Studies/World Languages (1204)
History (1196)
Journalism (1045)
Liberal Arts (1002)
Psychology: Interpersonal Emphasis (1183)
Secondary Education: History (1180)
Social Work (1130)

Related Occupational Majors at Bucks

Paralegal Studies (2128)*

Related Shared Majors

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Theater at Montgomery County Community College

Related Credit Certificates at Bucks

Paralegal (3129)
Social Media and Digital Marketing (3099)

Related Non-Credit Certificates and/or Programs at Bucks
Certificate in Non-Profit Administration

Common names for related majors at other institutions

Composition, Library Science, Media Studies, Speech and Rhetoric, Technical Writing, Technical Communication, Fine Arts--Writing, Writing, majors in particular world languages

COURSES

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§Gateway courses: "Gateway courses" are courses are those courses frequently taken at the start of a major sequence because they give a good introduction to one or more fields. *Some* are prerequisites for other courses within a major. *Some* gateway courses, such as SOCI110 Introduction to Sociology, are widely transferrable as core, general education, or distribution requirements. Students are not required to take gateway courses as part of their Guided Studies major, but taking one can be a very wise decision to help a student try out a major and make significant progress if they like the major, or fulfill a General Education requirement if they don't.

****Indicates a course without pre-requisites or co-requisites**

CONCENTRATION ELECTIVES

Courses beginning with the following prefixes: COMM, COMP (numbers 110 and above only), JOUR, LITR

Up to 2 courses in a world language (including American Sign Language): students who place beyond the first two courses will need a substitution from the department

§COMM101** Communication Theory

§COMM105** Interpersonal Communication

§COMM110 Effective Speaking

§COMP115 Creative Writing I

HIST100-190, HIST204

§HIST111** History of Western Civilization I

§HIST112** History of Western Civilization II

§HIST113** Global History: Ancient and Medieval World

§HIST114** Global History: Modern World

§JOUR175 News Reporting and Writing

§LAWS100** Introduction to Paralegal Studies

§LITR courses

§MGMT100** Introduction to Business

§MGMT135 Business Communication

MKTG200** Advertising

MKTG220** Digital Marketing

MKTG230** Social Media Marketing

PSYC110 Introduction to Psychology

SOC110** Introduction to Sociology

VACV130 Media Scriptwriting