

Sample of Past Senior Honors Project Topics/Titles

Anthropology

- *Renaissance or Ruin?: Creating an Arts and Culture Destination in North Philadelphia*

Biblical and Religious Studies

- *Nonviolence in the Real World*
- *"We Belong to the Land": Palestinian Christian Theology, Active Reconciliation and Nonviolent Direct Action in Israel-Palestine*
- *Christian Theology and Development in Latin America: How the Church Shapes Intangible Capital and Values—Considering an Anabaptist Perspective*

Business Administration

- *Economics of Wages in American Baseball*

Christian Ministries

- *Outreach Possibilities for the Grantham Church*
- *Spiritual Formation for Campus Worship Leaders*
- *Mennonites in Pennsylvania Prison Ministry and Reform*

Computer Science

- *Configuration for GNU*
- *Developing Software for Cognitively Disabled Children: Teaching Time Telling Skills*

Criminal Justice

- *The Nature of Crime and Punishment in Rural and Urban Settings*

Elementary Education

- *Scaffolding Visual Literacy -- A Comparison of Podcasting and Docents*
- *Same-Gender vs. Mixed-Gender Small Groups: Which is Better?*

Engineering

- *Integrated Renewable Energy Design Group (INREN Design)*
- *Messiah College PC to Scoreboard Integration*
- *Pulse Width Modulated Control for LED Lighting*

- *Renewable Energy Data Logger*
- *Low Horsepower Dynamometer*
- *Prosthetic Knee Redesign*
- *Drive-Train Redesign of the Hand Powered Tricycles*
- *Mahadaga Pump Project: Durability Testing and Redesign of a Handicap Accessible Pump for Irrigation in West Africa*
- *Biodiesel: Process Design and Quality Assurance*
- *Flight Tracking and Messaging Systems*

English

- *“As if Language Had Surrendered”: Transcending Speech in the Plays of Brian Friel*
- *Reader-Response, Deconstructive, and Collaborative Paradigms of Creative Writing: an Experiment*
- *The Threefold Journey: Development of Home, Society, and Psyche*
- *Self in Struggle: Levels of Resistance in Nonwestern Autobiography*
- *Milton's Dialogic Community of Creation: Paradise Lost and an Environmental Ethic of Partnership*
- *The "Other" Approach: Reconciling Feminist Readers to George Eliot*
- *E. E. Cummings: Lyrical Modernist*
- *The Novels of Cormac McCarthy & Wendell Berry: persons attempting to find a motive in these narratives will be prosecuted*
- *The dialogic relationship between tragedy and comedy in The Brothers Karamazov*

Environmental Science with Adventure Education

- *Messiah College Adventure Programs: Policies & Procedures Handbook*

Health and Human Performance

- *The Effects of a Short-term Plyometrics Program on Hamstring Strength in Female Collegiate Soccer Players*

History

- *Favoritism in the Courts of Early Modern England*
- *Loyalty and Dissent in Civil War Maryland: William Wilkins Glenn and the Suppression of the Daily Exchange*
- *The Historicity of Jane Austen: examining courtship in eighteenth-century England*

Human Development and Family Science

- *Maternal Perspectives on Child Care Quality*

Mathematical Sciences

- *Resolving Sums of Conjugate Radicals*
- *Elliptic Curves*
- *Bhaskara's Method for Solving Pell*
- *How Long is Your Block? Strengthening Understanding of Measurement in a Relevant Urban Context*
- *Math Across Cultures: A Resource for Burkinabè Children*

Modern Languages

- *Teaching English as a Second Language in 2003: Content-Based Instruction for English Language Learners*
- *Acquisition of French & English Accents in Process of 2nd Language Learning*

Music

- *A History of Popular Music in the Twentieth Century: The Influences of My Music*
- *Christian Children's Songs in Zambia*
- *Indian Tabla Drumming*

Natural Sciences

- *Isolation of Genetically Homogeneous Cell Lines Immortalized by a Wild Type or Mutant Form of the Simian Virus 40 Large Tumor Antigen*
- *Technique of soil core digestion for use in palynological studies take from vernal pools*
- *Feeding and Semaphoring Behaviors of the Panamanian Golden Frog, Atelopus Zetiki*
- *Age Estimation by Skeletochronology of Salamanders Collected on Messiah College Campus*
- *Instrumental Learning and Pedal Movements in Bufo Americanus*
- *Activity of Traditional Topical Treatments against Pathogens Common in Wound Infections*
- *Effect of Non-Native Shrub Removal on White Tailed Deer Herbivory*
- *New Restriction Analysis Exercise for Introductory Biology*
- *Self-association studies of yeast TATA binding protein using an "E. coli" two-hybrid system*
- *Effects of Plasmodium Falciparum, Genotypic Variability of MSP-1 and MSP-2 on Malarial Disease Severity Using Nested PCR Technology*
- *Biocatalytic Reduction of Imines to Amines Using Daucus Carota*

Nursing

- *College Students' Attitudes Toward Seeking Help for Mental Health Problems: A Vignette Approach*

Nutrition and Dietetics

- *The Effect of Residence on the Dietary Status of Female College Students: A Comparison of Dietary Intake of Iron, Calcium, Folate, and Vitamins B6, B12, and C in Students Living in Dormitories and Apartments*
- *Nutrition Status of Burmese Refugee Children Receiving Supplemental School Lunch*
- *Determination of Water Content in Ice Cream Toppings: A Summary of Research Findings at the JM Smucker Company*

Philosophy

- *The Nature of Inductive Logic*

Politics

- *The Democratization of Mongolia: the Implications of an Unlikely Success Story in Northeast Asia*
- *Finding the Community in Community Development Corporations: The Role of CDCs in Social Capital Development and Community Empowerment*
- *Immigrants and Civic Participation*
- *Executive Prerogative - "In re Neagle" & the Institutional Actors who Changed the Presidency*
- *Why Violence Isn't the Answer*
- *War and Corruption: A Political History of Uganda*

Psychology

- *Greatest Predictor of Intolerance: Christianity or Culture*
- *The Significance of Distal Influences on Adolescent Romantic Relationship Satisfaction*

Sociology and Social Work

- *What is Community?: Commitment and Capital Among Three Groups*
- *Loneliness Across Cultures: A Cross-Cultural Investigation of Loneliness Among University Students in Uganda and the United States*
- *Student Learning Principles of Sociology: Impact of Discussion Group on Development of Sociological Imagination and Sense of Civic Responsibility*
- *Strengths of Urban Youth: An Examination of North Philadelphia Teenagers and their Development and Talents*

Theater

- *Elizabethan Costume and Design*