



**THE UNIVERSITY OF
DAYTON SCHOOL OF LAW
+
U.S. AIR FORCE
RESEARCH LAB**

**AN EDUCATIONAL PARTNERSHIP
INTELLECTUAL PROPERTY**

University of Dayton
School of Law



THE CHALLENGE

Every year, it is estimated the United States loses hundreds of billions of dollars in intellectual property value. IP theft and loss are some of the greatest risks to our nation's technological superiority, economic stability, and national security. Areas of preventable loss:

- 1 Government research laboratories inadequately identifying, capturing, patenting, and licensing their intellectual property
 - 2 Government procurement offices missing opportunities to contractually secure data rights to which the government is entitled
-

MITIGATING THE CRISIS

The University of Dayton School of Law is providing high quality and readily deliverable legal training to help solve these intellectual property and data rights problems.

“POTENTIAL ANNUAL LOSSES OF
\$300 BILLION PER
YEAR”

THE IP COMMISSION REPORT¹



General Keith Alexander

“THE GREATEST **THEFT** OF
INTELLECTUAL PROPERTY
AND THE GREATEST
TRANSFER OF WEALTH
IN HISTORY”

GENERAL KEITH ALEXANDER²

¹ The Report of the Commission on the Theft of American Intellectual Property. May 2013.
http://www.ipcommission.org/report/ip_commission_report_052213.pdf.

² Gen (Ret) Keith B. Alexander
Statement on the future of warfare before the Senate Armed Services Committee. Nov. 3, 2015.
http://www.armed-services.senate.gov/imo/media/doc/alexander_11-03-15.pdf



This partnership recognizes the need for Intellectual Property training in the Department of Defense and directly aligns with and supports the department's direction toward innovation.

Educational partnership agreements with the Air Force historically have been reserved for STEM programs and students, and just recently expanded to include business, law and technology transfer educational programs and students. This is the first educational partnership agreement between the Air Force and a law school.

SABRA TOMB

Attorney
Headquarters Air Force
Research Laboratory





“

We are humbled the Air Force Research Lab has put its faith in the School of Law to enhance its expertise in business, law and technology transfer, and increase the knowledge of intellectual property law within the AFRL's science and engineering workforce.

PAUL SCHLOTTMAN

University of Dayton, School of Law
Director for Strategic Initiatives



IP/DATA RIGHTS ON-BOARDING

INTRODUCTORY INTELLECTUAL PROPERTY TRAINING

This on-boarding was developed specifically for new researchers, scientists, engineers and contracting officers. This training is being provided across the research, defense and technology industries to mitigate future loss of intellectual property and data rights value. Taught by prominent legal experts and IP practitioners providing real-world application of IP and data rights practical legal techniques and procedures. This online training is self-paced, interactive, and chunked into short learning modules. This training provides frequent formative assessment and immediate feedback to every participant.

HOOR 1

Unit 1: Introduction

Unit 2: Training Overview

Unit 3: Prior Knowledge Assessment

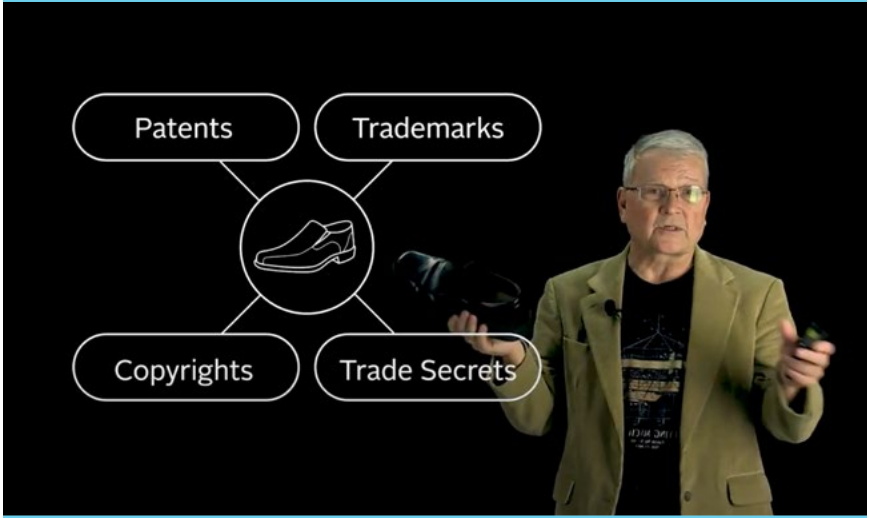


Major General Tim Kelly, U.S. Air Force

HOUR 2

Unit 4: What is IP?

Unit 5: How to Identify IP



Mike Baniak, EOS

HOUR 3

Unit 6: Initial Capture Steps

Unit 7: Disclosure Forms



Meghan Sheehan, Wright Brothers Institute (Left); Chastity Whitaker, U.S. Air Force (Center)

HOUR 4

Unit 8: Patent Office Practices



Richard Kaiser, *Wilderness Agency* (Top, Right); Anthony Head, *Entrepreneur* (Bottom, Right)

HOUR 5

Unit 9: Tech Transfer & Contractors

Unit 10: Final Exam

Unit 11: Congratulations & Takeaways



Dr. Richard Vaia, *Air Force Research Laboratory* (Left); Sabra Tomb, *Air Force Research Laboratory* (Right)

“THIS OVERVIEW WOULD BE
FANTASTIC
FOR NEW HIRES,
& **WISH IT WAS PRESENTED**
TO ME EARLY IN MY CAREER.”

— AFRL ELECTRONICS ENGINEER/PROGRAM MANAGER

“THE TRAINING WAS
HIGH QUALITY

IN TERMS OF PRESENTATION AND
OVERALL LEARNING EXPERIENCE.

THE MATERIALS
AND VIDEOS
WERE
CLEAR & CONCISE.

**THE PRESENTERS WERE CLEARLY
HIGHLY KNOWLEDGEABLE.**”

— BUSINESS LITIGATION ATTORNEY

— I AM LEARNING —
IMPORTANT INFORMATION
THAT I PREVIOUSLY DID NOT HAVE.”

— DEFENSE CONTRACTOR CEO



ONLINE PROGRAM



PATENT CERTIFICATE

PATENT PLUS (PROTECTION, LAW, USE AND SALES)

10 Graduate Credit Hours

This certificate program was developed in partnership with the Air Force Research Laboratory (AFRL) for participants with any background that want to greatly enhance their understanding of intellectual property and data rights. Students with scientific and engineering background may choose to apply these courses toward the Master in the Study of Law degree that prepares students for patent practice and to take the patent bar exam to become USPTO registered patent agents.

The Patent Certificate program is a total of 10 credit hours and can be completed in two semesters.

FOUNDATIONS OF PATENT AGENCY

COURSE 3000 | 2 CREDIT HOURS

Students will build a foundation of knowledge with an overview of patent law, including requirements for patentable subject matter; standards of novelty, utility and non-obviousness; statutory bars; conception, priority, enablement and written description requirements; direct and vicarious infringement; and claims interpretation.

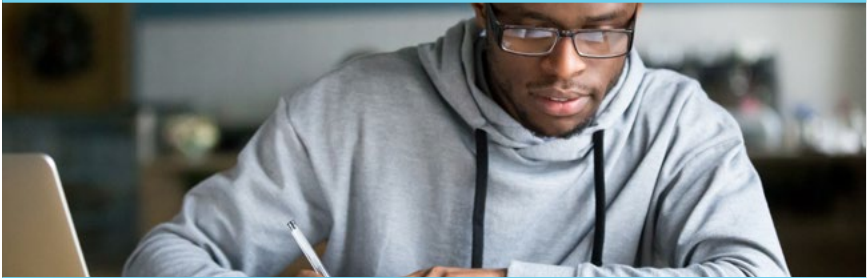
Students will learn what patent agents do, how to read patents, value claims, understand bar date requirements, sources of law, the life cycle of patents, the structure of the patent office, and survey international patent laws and regulations.

PATENT PROSECUTION 1:

INTRODUCTION TO PATENT PROSECUTION

COURSE 3001 | 3 CREDIT HOURS

Students learn about patent application preparation and prosecution, including types of patent applications, analysis of prior art, preparation of patent specifications, claim drafting, inventorship and ownership determinations, amendment practice and argument practice. Students learn inventor interview techniques, discuss application, production, value and market. Students will create systems and forms for disclosure and invention evaluation.



PATENT RESEARCH

COURSE 3003 | 2 CREDIT HOURS

Students learn about the process of research and communicating about patents through the use of free, commercial, and patent office research tools.

INTELLECTUAL PROPERTY TRANSACTIONS

COURSE 3005 | 3 CREDIT HOURS

Students will examine management and monetization of intellectual assets such as brands, copyrighted materials, technology, and know-how. The class will cover a series of discrete topics, including intellectual property licensing, portfolio management, new media issues, intersection of IP and employment issues, transactions in cyberspace.



ONLINE DEGREE



MASTER'S DEGREE

MASTER IN THE STUDY OF LAW - PATENT AGENCY AMERICAN AND TRANSNATIONAL LAW

30 Graduate Credit Hours

With a Master's in the Study of Law Degree - Patent Agency, students can leverage their scientific or engineering background into the booming area of patent law.

This master's degree program is aimed at working professional students who want to be at the cutting-edge of research and technology, helping inventors and companies capture intellectual property value and bring innovations to market. This pioneering program is designed to develop proficient patent agents with astute business acumen using practical real-world learning and experience in just 30 credits. All 10 credits from the Patent PLUS certificate program can be applied toward this degree. Students with the scientific or engineering background required by the USPTO will take the Patent Bar exam to become patent agents. Those who pass the patent bar exam may be able to apply for paid internships to get valuable work experience.

If you are interested in the 90 credit Juris Doctorate program, please be aware that ABA Standard 311.d. Credit for a J.D. degree shall only be given for course work taken after the student has matriculated in a law school's J.D. program of study, except for credit that may be granted pursuant to Standard 505. A law school may not grant credit toward the J.D. degree for work taken in a pre-admission program.



The Masters in the Study of Law Degree - Patent Agency is inclusive of all courses required for the Patent Plus Certification and the following:

PATENT PORTFOLIO MANAGEMENT

COURSE 3002 | 3 CREDIT HOURS

Students learn how to view patents through the various lenses of business value, marketability, technical feasibility and competitive advantage. Students will learn best practices for patent portfolio management, strategy and analysis. How novelty creates value, product usability, patentability analysis, patent clearance search, and international patent laws and requirements.

PATENT WRITING

COURSE 3004 | 3 CREDIT HOURS

Students learn to write patents using practical formative learning: instructor explanation, modeling, student practice with formative feedback. Students learn patent writing structure, claims, drawn figures and specifications. Differences between types of patents, systems, methods and processes will be highlighted.

PATENT PROSECUTION 2

COURSE 3005 | 3 CREDIT HOURS

Students are introduced to advanced patent prosecution concepts including international patent practice issues, business method patents, biotechnology patents, software patents, reexamination, reissue, patent validity and enforcement issues. Students learn about patent office actions, rejections and responses, pre-trial appeal board appeals, adherence to patent deadlines, restriction requirements, timing, reporting obligations, examiner interview strategies, allowances, and next steps.



PATENT PROSECUTION 3

COURSE 3006 | 3 CREDIT HOURS

Students learn about patent office actions, rejections and responses, pre-trial appeal board appeals; appeal format, mechanics, requirements, timing and sequence; adherence to patent deadlines, restriction requirements, reporting obligations, examiner interview strategies, allowances, and next steps. Students will also learn inter parties review, clearance, and post grants, and mini-litigation strategies.

PATENT BAR REVIEW

COURSE 3007 | 3 CREDIT HOURS

Students are prepared for the Patent Bar exam by patent and intellectual property law professionals. These professionals will lead students through comprehensive array of study materials, lectures and study groups in preparation for taking the patent bar exam.

ETHICS FOR PATENT AGENTS PATENT LAW PROSEMINAR

COURSE 3008 | 2 CREDIT HOURS

Students are introduced to the ethical issues, duties and responsibilities that can arise in the field of patent law particularly in the areas of inventorship, ownership, confidentiality, client conflict, statutory bar issues, attorney-client privilege and the blurred lines between patent prosecution and the practice of law. Students are introduced to topics and issues in the areas of patent and intellectual property law presented by patent and intellectual property law professionals.

PATENT LAW CAPSTONE

COURSE 3009 | 3 CREDIT HOURS

In cooperation with a supervisor, students will have a field placement to practice as a patent agent. Using their knowledge of innovation, patent law, patent prosecution, patent research and strategy they identify, articulate and present opportunities for innovation in their chosen technology. Student are required to have passed the Patent Bar exam and to be a licensed Patent Agent.



THE UNIVERSITY OF DAYTON
SCHOOL OF LAW



U.S. AIR FORCE
RESEARCH LAB

1ST

EDUCATIONAL AGREEMENT BETWEEN
THE AIR FORCE AND A LAW SCHOOL

3 YEAR AGREEMENT

3 LEVELS OF
IP TRAINING
OFFERED

INTRODUCTORY TRAINING

PATENT PLUS
CERTIFICATE PROGRAM

MASTER IN THE STUDY
OF LAW - PATENT AGENCY

AIR FORCE RESEARCH LAB

EMPLOYS

10,000

MILITARY & CIVILIAN
PERSONNEL

80+ YEARS



OF CRITICAL RESEARCH EFFORTS

40+ OPERATIONS ACROSS THE GLOBE

For more information, visit
GovernmentIP.com

University of Dayton
School of Law