



NEW GRADUATE CONCENTRATION PROPOSALS
ARIZONA STATE UNIVERSITY
GRADUATE COLLEGE

This form should be used for academic units wishing to propose a new concentration for existing graduate degrees.

A concentration is a subspecialty within a degree and major. It indicates the fulfillment of a designated, specialized course of study, which qualifies the student with skills and training in one highly concentrated area of the major. Concentrations are formally-recognized educational designations (including the assignment of a university plan code for reporting/record-keeping purposes and appearance on the ASU transcript). Concentrations are distinguished from more informal academic distinctions such as "emphases," "tracks," "foci," "options," etc.

Submit the completed and signed (chairs, unit deans) proposal to the **Office of Graduate Academic Programs**. Mail code 1003 and electronic copies to eric.wertheimer@asu.edu or Denise.Campbell@asu.edu

Please type.

Contact Name(s): Judy Stinson	Contact Phone(s): 480-965-8512
College/School/Division Name: Law	
Academic Unit Name: (or proposing faculty group for interdisciplinary proposals) Law	
Existing Graduate Degree and Major under which this concentration will be established: Master of Legal Studies (M.L.S.)	
Proposed Concentration Name: Patent Practice	
Requested Effective Term and Year: (e.g. Fall 2014) Fall 2013	
Do Not Fill in this information: <u>Office Use Only</u> Plan Code:	CIP Code:

1. Overview

- A. Provide a brief description (*not to exceed 150 words*) of the new concentration (including the focus of the new concentration, relationship to other concentrations within this degree program, etc).

The Concentration in Patent Practice, within the Master of Legal Studies degree, would prepare students for the practice of patent law as registered patent agents with the United States Patent and Trademark Office. The concentration would focus on providing students with substantial doctrinal knowledge about patent law as well as the practical skills training, including a capstone clinical course, relevant in the patent law field. There are no other concentrations within the Master of Legal Studies degree program.

2. Impact Assessment

- A. Explain the unit's need for the new concentration (e.g., market demand, research base, direction of the discipline, and interdisciplinary considerations). How will the new concentration complement the existing degree program, including enrollment, national ranking, etc.?

The patent law field is growing exponentially; the rapid increase in technology is fueling the need for qualified individuals to prepare patent applications, and businesses and law firms are hiring more trained patent agents. To practice before the United States Patent and Trademark Office, an applicant must demonstrate (1) "good moral character and reputation"; (2) that he or she "[p]ossesses the legal, scientific, and technical qualifications necessary for him or her to render applicants valuable service"; and (3) that he or she is "competent to advise and assist patent applicants in the presentation and prosecution of their applications" before the United States Patent and Trademark Office. Therefore, technical, scientific training is required, as well as knowledge of patent laws. Applicants therefore generally have a bachelor's degree in a specified field (the specific list is available at page 4 of this link: http://www.uspto.gov/ip/boards/oed/GRB_March_2012.pdf) and need to obtain legal training to understand the intricacies of patent law. The College of Law's Master of Legal Studies Degree, with a Concentration in Patent Practice, can provide the needed legal training in just one year.

The Master of Legal Studies degree is a one-year, 30-credit degree that enables individuals to obtain legal education without the same commitment of time and money necessary for the three-year Juris Doctor degree. This concentration will also bring more

prestige to the current M.L.S. degree because the students it will attract are likely to have strong academic credentials, boosting our overall student body in terms of qualifications.

The College of Law has long been known for its Center for Law, Science and Innovation (formerly the Center for Law, Science and Technology). Existing strengths in technology and intellectual property make the College of Law a natural site for a concentration such as this. Offering the M.L.S. with a Concentration in Patent Practice will enable the law school to capture those applicants who do not wish to become a patent attorney but want formal legal training to become a patent agent. Overall enrollment in the M.L.S. program should increase and enrollment at the College of Law should increase. In terms of national reputation, the concentration should help further the law school's position nationally as a top-10 public law school and a strong institution for science and technology-related legal training.

- B. Please identify other related ASU programs and describe how the new concentration will complement these existing ASU programs? (If applicable, statements of support from affected academic unit administrators should be included with this proposal submission.)**

Related programs are the Ira A. Fulton Schools of Engineering and the College of Liberal Arts and Sciences' degree programs in Biochemistry, Microbiology, and Physics. Eighteen separate engineering degrees can satisfy the undergraduate degree requirement necessary to sit for the patent bar, and some of the degrees offered by CLAS also qualify. Those programs do not, however, offer the technical and legal patent training that would be provided by the Master of Legal Studies with a Concentration in Patent Practice and therefore should not be negatively affected by the degree. The College of Law plans to work collaboratively with these other departments and anticipates that the availability, after graduating with a bachelor's degree, of the Master of Legal Studies with a Concentration in Patent Practice at Arizona State may provide some recruiting advantage to these undergraduate programs.

- C. Is this an interdisciplinary concentration? If yes, please address the relationship of the proposed concentration to other existing degree programs and any parallel or similar concentrations in those degree programs. (Please include relevant Memoranda of Understanding regarding this interdisciplinary concentration from all applicable academic units.)**

No.

3. Academic Requirements and Curriculum

- A. What are the total minimum hours required for the major and degree under which the proposed concentration will be established?**

The Master of Legal Studies requires 30 credit hours.

- B. Please provide the admissions criteria for the proposed concentration. If they are identical to the admission criteria for the existing major and degree program under which this concentration will be established, you may attach a copy of these criteria as they appear on the departmental website, or other source (please indicate source).**

Please also list all undergraduate and graduate degrees and/or related disciplines that are required for admission to this concentration program.

The admissions criteria for the proposed concentration are identical to the admissions criteria for the Master of Legal Studies, with the exception that admission requires a bachelor's degree from among the list below. The admissions criteria for the Master of Legal Studies can be found at this link:

<http://www.law.asu.edu/admissions/Admissions/MLSMasterofLegalStudiesProgram/MLSAdmissionRequirements.aspx>. Those criteria are attached to this proposal.

Degree(s): Admission to the concentration requires a bachelor's degree in one of the following:

- Biology
- Biochemistry
- Botany
- Computer Science*
- Electronics Technology
- Food Technology
- General Chemistry
- Marine Technology
- Microbiology
- Molecular Biology
- Organic Chemistry
- Pharmacology
- Physics
- Textile Technology
- Aeronautical Engineering
- Agricultural Engineering
- Biomedical Engineering
- Ceramic Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electrochemical Engineering
- Engineering Physics
- General Engineering
- Geological Engineering
- Industrial Engineering
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering
- Nuclear Engineering
- Petroleum Engineering

*Acceptable Computer Science degrees must be accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB), or by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET), on or before the date the degree was awarded. Computer science degrees that are accredited may be found on the Internet (<http://www.abet.org>).

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program. Minimum of 3.00 cumulative GPA (scale is 4.0 = A) in the applicable Master's degree.

English Proficiency Requirement for International Applicants: (See Graduate College policies and procedures) (http://graduate.asu.edu/admissions/international/english_proficiency):

The College of Law's requirements, which are applicable to Master of Legal Studies students, can be found at this link: <http://www.law.asu.edu/admissions/Admissions/DegreePrograms/ForeignEducatedApplicantsMLSLLM.aspx>
Those criteria are reprinted below.

English Fluency

Applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law. If English is not your native language, you must provide evidence of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper), 250 (computer), or 100 (Internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (internet) also will be considered.
ASU's institutional code is 4007.

Required Admission Examinations: GRE GMAT Millers Analogies None required

C. If the proposed concentration is part of a larger, interdisciplinary agenda, please provide additional admission information related to students who may enter with various academic backgrounds, including expected entry-level competencies. As applicable, please also address the courses that must be taken to remedy any relevant deficiencies for incoming students.

N/A.

D. What knowledge, competencies, and skills (learning outcomes) should graduates have when they complete this proposed concentration program? Examples of program learning outcomes can be found at (<https://uoeee.asu.edu/program-outcomes>).

1. Graduates will be able to demonstrate knowledge of the substantive laws and regulations involved in patent prosecution.
2. Graduates will be able to demonstrate knowledge of the procedures involved in patent prosecution.
3. Graduates will be able to draft high quality patent applications and prosecute them through the USPTO.

E. How will students be assessed and evaluated in achieving the knowledge, competencies, and skills outlined in 3.D. above? Examples of assessment methods can be found at (<http://www.asu.edu/oue/assessment.html>).

1. At least 80% of the graduates will demonstrate mastery on the final examination in Patent Law.
2. At least 80% of the graduates will demonstrate mastery in the course Patent Preparation and Prosecution.
3. At least 80% of the graduates will demonstrate mastery in the capstone clinical course.

F. Please provide the curricular structure for the proposed concentration.

- Additionally, please ensure that all **new** required course proposals have been submitted to the Provost's office through the Curriculum ChangeMaker online course proposal submission system for approval before this concentration is put on the University Graduate Council and CAPC agendas.

Required Core Courses for the Degree			Credit Hours
<i>(Prefix & Number)</i>	<i>(Course Title)</i>	<i>(New Course?) Yes or No?</i>	<i>(Insert Section Sub-total)</i>
			6
LAW 581	US Law and Legal Analysis	N	3
LAW 596	Professional Legal Writing	N	3
Required Concentration Courses			Credit Hours
<i>(Prefix & Number)</i>	<i>(Course Title)</i>	<i>(New Course?) Yes or No?</i>	<i>(Insert Section Sub-total)</i>
			18
LAW 664	Intellectual Property	N	3
LAW 645	Patent Law	N	3
LAW 691	Patent Preparation and Prosecution	N	2
-	Patent Drafting	Y	3
-	Comprehensive Patent Practice	Y	5
LAW791	Patent Licensing	N	2

Elective or Research Courses <i>(as deemed necessary by supervisory committee)</i>			Credit Hours
<i>(Prefix & Number)</i>	<i>(Course Title)</i>	<i>(New Course?) Yes or No?</i>	(Insert Section Sub-total)
			3
LAW 691	Patent Litigation	N	2
LAW 648	International Intellectual Property	N	3
-	Graduate Engineering/Science Elective	N	3
LAW ____	Other law course	N	3
Culminating Experience <i>E.g. - Capstone project, applied project, thesis (masters only) – 6 credit hours) or dissertation (doctoral only) – 12 credit hours) as applicable</i>			Credit Hours
			(Insert Section Sub-total)
			3
Clinical Experience: Lisa Foundation Patent Law Clinic			3
Other Requirements <i>E.g. - Internships, clinical requirements, field studies as applicable</i>			Credit Hours
			(Insert Section Sub-total)
See above – clinical requirement for all students (capstone)			
<i>For doctoral programs – as approved by the student's supervisory committee, the program can allow 30 credit hours from a previously awarded master's degree to be used for this program. As applicable, please indicate the total credit hour allowance that will be used for this program.</i>			
Total required credit hours			30

G. Please describe the primary course delivery mode, (e.g., online, face-to-face, off-site etc.). **Please note:** If this proposed initiative will be offered **completely** online, clearly state that in this section, and fill out the applicable section in the Operational Appendix.

The primary delivery mode would be face-to-face courses.

H. Please **describe** the culminating experience(s) required for completion of the existing degree and major, and the proposed concentration (e.g., thesis, dissertation, comprehensive exams, capstone course(s), practicum, applied projects, etc.).

Students in the Lisa Foundation Patent Law Clinic receive hands-on experience in real-world patent prosecution, licensing and litigation, and learn skills needed to recognize and obtain valuable and enforceable patents for clients. Regardless of whether students plan to practice transactional patent law or in patent litigation, the Clinic gives students exposure to both areas of practice so to practice law or in patent litigation, the Clinic gives students exposure to both areas of practice so that they may understand the impact that actions taken during the patent procurement process have during a subsequent patent litigation.

Through their clinical experience, students work with independent inventors and start-up companies to draft and prosecute patent applications in the United States Patent and Trademark Office under the supervision of licensed patent attorneys. Additionally, students learn to conduct validity and infringement analyses while gaining valuable skills such as patent due diligence, valuation, and licensing strategies.

Students are expected to commit 10 hours per week to the Clinic.

I. Please **describe** any other requirements for completion of the existing degree and major, and the proposed concentration (e.g., internships, foreign language skills, etc.).

None.

- J. **For interdisciplinary programs**, additional sample curricular structures must be included as appendix items to this proposal relating to students with various academic backgrounds who may pursue the proposed concentration, including expected mastery of core competencies (e.g., course work, skills, and/or knowledge).

N/A.

4. Administration and Resources

- A. How will the proposed concentration be administered (including recommendations for admissions, student advisement, retention etc.)? Describe the administering body in detail, especially if the proposed concentration is part of a larger interdisciplinary initiative. How will the graduate support staffing needs for this proposed concentration program be met?

The College of Law's Admissions Office, which currently oversees all graduate admissions functions, would administer all aspects of the proposed concentration, including admissions, student advisement, assistance with financial aid, and student retention. The expected increase from this program would not require any additional staffing resources.

- B. How many students will be admitted immediately following final approval of the concentration? What are enrollment projections for the next three years?

Admissions decisions will depend on the quality of the applicant pool, but the projected admissions for this concentration are as follows:

2013-14: 10 - 15
 2014-15: 20 - 25
 2015-16: 20 - 25

- C. What are the resource implications for the proposed concentration, including any projected budget needs? Will new books, library holdings, equipment, laboratory space and/or personnel be required now or in the future? If multiple units/programs will collaborate in offering this concentration please discuss the resource contribution of each participating program. Letters of support must be included from all academic units that will commit resources to this concentration.

This proposed concentration should not require any budget increase. To the extent enrollment exceeds current staffing capacity, tuition revenue would be more than adequate to fund additional personnel to teach the required courses and clinical component of the concentration.

- D. Please list the primary faculty participants in this proposed concentration.

E.

<i>Name</i>	<i>Title</i>	<i>Area(s) of Specialization as they relate to proposed concentration</i>
Dennis Karjala	Professor of Law	Patent Law; Intellectual Property
Aaron Fellmeth	Professor of Law	Patent Law; Intellectual Property
Douglas Sylvester	Dean and Professor of Law	Intellectual Property
Michelle Gross	Director, Lisa Foundation Patent Law Clinic	Licensed Patent Attorney
Daniel Noblitt	Adjunct Professor of Law	Licensed Patent Attorney

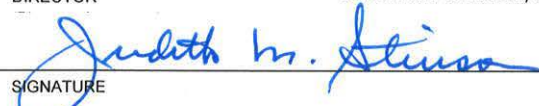

F. Is there a graduate faculty structure for this concentration program that will differ from the original degree program graduate faculty structure (**for PhD programs only**)? If yes, please include the name of the graduate faculty group and whether they will participate in offering this concentration.

N/A

5. Additional Material — Please attach any additional information that you feel relates to the proposed concentration. (Please label accordingly, i.e., Appendix or Attachment A, B, etc.)

N/A

Approvals (if the proposal submission involves multiple units, please include letters of support from those units)

DEPARTMENT CHAIR or SCHOOL DIRECTOR	Judith M. Stinson, Assoc. Dean AP	
		2/8/2013
SIGNATURE		DATE
DEAN (Please print or type)	Douglas J. Sylvester	
		2/8/2013
SIGNATURE		DATE

The following section will be completed by the GC following the recommendations of faculty governance bodies.

EXECUTIVE VICE PROVOST FOR ACADEMIC AFFAIRS AND DEAN OF THE GRADUATE COLLEGE	
_____	_____
SIGNATURE	DATE

Please note: Proposals for new concentrations also require the review and recommendation of approval from the University Graduate Council, Curriculum and Academic Programs Committee (CAPC), the Academic Senate (Information item only), and the Office of the Provost before they can be put into operation.

The final approval notification will come from the Office of the Provost.

GF1112E-92

(NEW GRADUATE INITIATIVES)

PROPOSAL PROCEDURES CHECKLIST

Academic units should adhere to the following procedures when requesting new curricular initiatives (degrees, concentrations or certificates).

Obtain the required approval from the Office of the Provost to move the initiative forward for internal ASU governance reviews/approvals.

- Establishment of new curricular initiative requests; degrees, concentrations, or certificates
- Rename requests; existing degrees, concentrations or certificates
- Disestablishment requests; existing degrees, concentrations or certificates

Submit any new courses that will be required for the new curricular program to the Curriculum ChangeMaker online course approval system for review and approval.

- Additional information can be found at the Provost's Office Curriculum Development website: [Courses link](#)
- For questions regarding proposing new courses, send an email to: courses@asu.edu

Prepare the applicable proposal template and operational appendix for the proposed initiative.

- New degree, concentration and certificate templates (contain proposal template and operational appendix) can be found at the Provost's Office Curriculum Development website: [Academic Programs link](#)

Obtain letters or memos of support or collaboration. (if applicable)

- When resources (faculty or courses) from another academic unit will be utilized
- When other academic units may be impacted by the proposed program request

Obtain the internal reviews/approvals of the academic unit.

- Internal faculty governance review committee(s)
- Academic unit head (e.g. Department Chair or School Director)
- Academic unit Dean (will submit approved proposal to the curriculumplanning@asu.edu email account for further ASU internal governance reviews (as applicable, University Graduate Council, CAPC and Senate)

Additional Recommendations - All new graduate programs require specific processes and procedures to maintain a successful degree program. Below are items that the Graduate College strongly recommends that academic units establish after the program is approved for implementation.

Set-up a Graduate Faculty Roster for new PhD Programs – This roster will include the faculty eligible to mentor, co-chair or chair dissertations. For more information, please go to http://graduate.asu.edu/graduate_faculty_initiative.
N/A

Establish Satisfactory Academic Progress Policies, Processes and Guidelines – Check within the proposing academic unit and/or college to see if there are existing academic progress policies and processes in place. If none have been established, please go to http://graduate.asu.edu/faculty_staff/policies and scroll down to the **academic progress review and remediation processes** (for faculty and staff) section to locate the reference tool and samples for establishing these procedures.

Establish a Graduate Student Handbook for the New Degree Program – Students need to know the specific requirements and milestones they must meet throughout their degree program. A Graduate Student Handbook provided to students when they are admitted to the degree program and published on the website for the new degree gives students this information. Include in the handbook the unit/college satisfactory academic progress policies, current degree program requirements (outlined in the approved proposal) and provide a link to the Graduate College Policies and Procedures website. Please go to http://graduate.asu.edu/faculty_staff/policies to access Graduate College Policies and Procedures.

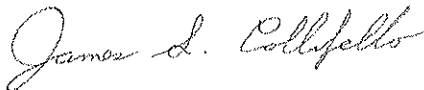
MEMORANDUM OF SUPPORT

TO: Graduate College, Arizona State University
FROM: Dr. James Collofello, Associate Dean Ira A Fulton School of Engineering
RE: Master of Legal Studies, Patent Practice Concentration
DATE: February 4, 2013

The Sandra Day O'Connor College of Law has approached the Ira A Fulton School of Engineering regarding their proposal for creating a concentration on Patent Practice within the Master of Legal Studies degree program. The proposed concentration would allow the Master of Legal Studies, Patent Practice (MLS-PP) students to take a graduate level elective course currently offered by the School of Engineering (we will not create a new course for this purpose). They have also shared their anticipated enrollment in the MLS-PP program.

The Ira A Fulton School of Engineering supports the MLS-PP proposal. We believe that the MLS-PP program will offer our graduates a new and unique option for using their engineering skills and expertise after graduation. We are happy to partner with the College of Law in making the MLS-PP successful.

Sincerely,



James S. Collofello
Associate Dean of Academic and Student Affairs
Professor of Computer Science and Engineering