

ARTICLE XX

TITLES AND CLASSIFICATIONS

Any new language from previous University proposals is in yellow.

Language that is deleted or moved to the Workload article is also highlighted in yellow and crossed out.

The University offers this proposal on Titles and Classifications with the understanding that the bargaining unit is comprised of the positions listed on the pages of this proposal. However, the University recognizes that the parties are in discussions about clarifying whether other positions not listed in this Article are in or out of the bargaining unit. If the parties add such positions to the bargaining unit voluntarily, or if ordered for inclusion through administrative proceedings (i.e. NLRB), the University reserves the right to reopen this article if, in the University's judgment, modifications need to be made to certain provisions of this proposal to account for the newly-added positions.

It is also understood that titles of positions may change as a result of negotiations and if so, this Article will be amended accordingly.

It is noted that provisions of this Article that eliminate time caps for some classifications are offered only if the Union agrees to the University's Appointment and Reappointment article dated 8-4-25 and the University's last position on Discipline and Dismissal dated 12-12-24 and the workload and promotional expectations delineated herein elsewhere in the University's contract proposals on those subjects (See newly added language in the University's 1-23-26 Workload proposal. Promotional language will be proposed soon).

Regardless of the general descriptions of the positions in this Article, and regardless of the title someone holds, only those individuals who provide services to the University in exchange for compensation are employees and in the bargaining unit.

Also, in individual cases, it is possible that employees holding such titles and classifications may supervise other employees in which case they would be excluded from the bargaining unit while carrying out such supervisory functions

Section A Classifications

1. The University will allocate positions on a “best fit” basis to the most appropriate classification. Classifications shall be based on a position’s duties, responsibilities and qualifications as defined herein.
2. The classifications outlined in this Article supersede any previous classifications used by the University prior to the commencement of this Agreement. The University may assign special titles based on merit, funding source, fellowships or other relevant factors within the classification as defined in this Article. ~~All~~ **most** titles may also have an additional business title.
- 3.

Section B. FAS/SEAS Instructional Positions

~~The general description of the following bargaining unit positions is provided in the FAS Appointment and Promotion Handbook.~~ The following are summary descriptions of the bargaining unit positions and not designed to describe all aspects of those positions. The FAS/SEAS **Schools** have the discretion to determine the appropriate types of instructional positions that are necessary to meet curricular and pedagogical needs and to change appointment types as needed.

The following length of appointments and reappointments for the positions in the bargaining unit shall be as follows:

1. Lecturer I, II and III

The following section on Lecturers I, II and III that eliminate time caps is offered only if the Union agrees to the University’s Appointment and Reappointment article dated 8-4-25 and the University’s last position on Discipline and Dismissal dated 12-12-24 and the workload and promotional expectations delineated elsewhere in the University’s contract proposals on those subjects (See newly added language in the University’s 1-23-26 Workload proposal. Promotional language will be proposed soon).

An appointment as a Lecturer I is for a term of three years (with years 2 and 3 contingent upon a successful review, curricular need and budgetary approval). There are no further reappointments as a Lecturer I after the expiration of their three-year appointment. However, during the last of the three years of service in this position, the Employee will be reviewed for promotion to Lecturer II, conditional on curricular need and budgetary approval. Lecturer II positions carry a term of five (5) years. If the Lecturer I is promoted, they will receive a five (5) year appointment as a Lecturer II. If the Lecturer I is not promoted to Lecturer II, then their appointment will expire at the end of their term.

There are no further reappointments as a Lecturer II after the expiration of their five-year appointment. However, during the last of the five years of service in the Lecturer II position, the Employee will be reviewed for promotion to Lecturer III, conditional on curricular need and budgetary approval. Lecturer III positions carry a term of five (5) years. If the Lecturer II is promoted, they will receive a five (5) year appointment as a Lecturer III. If the Lecturer II is not promoted to Lecturer III, then their appointment will expire at the end of their term.

Once the employee is promoted to Lecturer III, there shall be no limits on the number of Lecturer III reappointments, conditional on meeting the criteria outlined below and conditional on the University's determination of continuing need for the position and budgetary approval.

Description of Lecturer I, II and III:

Lecturer I, II, and III are non-tenure-track positions that are held by individuals who serve as course heads for courses that would otherwise be taught by tenure-track or tenured faculty. Lecturers (with the exception, as appropriate, of appointments in the arts) must ordinarily hold a doctorate by the time the appointment begins. All lecturer appointments must be based in a department or degree program. There must be curricular need and budgetary approval for the position.

~~Ordinarily, Lecturer I appointees teach the equivalent of four to six courses or sections per year (some departments might consider a very large course to be the equivalent of two courses). The enrollment minimum for Lecturer I positions is a total of 50 enrollments or equivalent per year across all courses. There must be curricular need and budgetary approval for the position.~~

Criteria for promotion to Lecturer II:

- ~~○ Must meet the standards for Lecturer I in addition to the following:~~
 - ~~■ Alignment with departmental or programmatic curricular goals~~
 - ~~■ An ability to provide evidence of student learning~~
 - ~~■ Clear alignment between assessments and course learning goals~~

- A commitment to fostering an inclusive learning environment that encourages open inquiry and the free exchange of ideas

○ There must also be curricular need and budgetary approval for the position

Teaching load:

○ 4-6 courses or sections or equivalent, as determined by the division

Enrollment minimum:

○ A minimum of a total of 50 enrollments or equivalent per year across all courses

Criteria for promotion to Lecturer III:

○ Must meet the standards for Lecturer II in addition to the following:

- Evidence of successfully implementing evidence-based teaching practices, including a consistent history of assessing student learning and making adjustments to teaching based on findings
- Evidence of mentorship or leadership in fostering these teaching practices amongst peers or mentees (e.g. training Preceptors and/or TA/TFs, etc.)

○ There must be curricular need and budgetary approval for the position

○ Lecturer III appointments are reviewed by an FAS committee

Teaching load:

○ 4-6 courses or sections or equivalent, as determined by the division

Enrollment minimum:

○ A minimum of a total of 50 enrollments or equivalent per year across all courses

For those Lecturers employed at the time of ratification of this Agreement and in the middle of an appointment, such Lecturers will be allowed to complete their current appointment. Upon the conclusion of their current appointment, they may apply for an open Lecturer position, which is contingent on curricular need and budgetary approval, and will require an open, advertised search conducted in accordance with all applicable FAS search procedures.

2. Annual Lecturer. (FAS, SEAS, and HMS only) An Annual Lecturership is a short-term, non-tenure-track position that is held by individuals who serve as course heads for credit-bearing courses that would otherwise be taught by tenure-track or

tenured faculty. Annual Lecturers may teach on a full-time or part-time basis. Annual Lecturer appointments are made for one term or for one year, with the possibility of renewal. FAS (only) up to a maximum of 3.0 FTE and then capped. There must be curricular need and budgetary approval for the position.

~~Ordinarily, Annual Lecturers teach the equivalent of four to six courses or sections per year (some departments might consider a very large course to be the equivalent of two courses), with a pro-rated teaching load for part-time Annual Lecturers. There must be curricular need and budgetary approval for the position.~~ appointments only until the lecturer has accumulated a maximum of 3.0 annual lecturer FTE total and then capped. (One four-credit course is equivalent to 0.25 annual FTE). These appointments may be spread over multiple years. Alternatively, a Lecturer may be appointed into one non-renewable three-year term, with years 2 and 3 contingent upon a successful review.

3. College Fellow (FAS/SEAS only) A College Fellowship is a short-term, non-tenure-track position that is held by exceptional scholars who have demonstrated excellence in teaching. In addition to pursuing their own research, College Fellows serve as course heads for courses that would otherwise be taught by tenure-track or tenured faculty. ~~College Fellows ordinarily teach 3-4 courses (or equivalent) per year, as determined by their division.~~ College Fellows must have completed all requirements for the doctorate prior to the appointment start date.

College Fellowships are three- to five-year non-renewable positions. College Fellows receive mentoring on both pedagogy and career development. There must be curricular need and budgetary approval for the position.

1. Preceptor I, II, and III (FAS/SEAS only)

The following section on Preceptors I, II, and III that eliminate time caps is offered only if the Union agrees to the University's Appointment and Reappointment article dated 8-4-25 and the University's last position on Discipline and Dismissal dated 12-12-24 and the workload and promotional expectations delineated ~~herein~~ elsewhere in the University's contract proposals on those subjects (See newly added language in the University's 1-23-26 Workload proposal. Promotional language will be proposed soon).

An appointment as a Preceptor I is for one year or it may be for a term of three years (with years 2 and 3 contingent upon a successful review). There are no further reappointments as a Preceptor I after the expiration of three years. However, during the last of the three years of service in this position, the Employee will be reviewed for promotion to Preceptor II, conditional on curricular need and budgetary approval.

Preceptor II positions carry a term of five (5) years. If the Preceptor I is promoted, they will receive a five (5) year appointment as a Preceptor II. If the Preceptor I is not promoted to Preceptor II, then their appointment will expire at the end of their term.

During the last of the five years of service in the Preceptor II position, the Employee will be reviewed for promotion to Preceptor III, conditional on curricular need and budgetary approval. Preceptor III positions carry a term of five (5) years. If the Preceptor II is promoted, they will receive a five (5) year appointment as a Preceptor III. If the Preceptor II is not promoted to Preceptor III, then their appointment will expire at the end of their term.

Once the Employee is promoted to Preceptor III, there shall be no limits on the number of Preceptor III reappointments, conditional on meeting the criteria outlined below and conditional on the University's determination of continuing need for the position.

Description of Preceptor I, II, and III:

Preceptor I, II, and III positions are reserved for teachers who provide language, skill-oriented, or other special instruction (including some introductory disciplinary instruction). They may not offer instruction of a disciplinary nature (beyond introductory instruction) or be in charge of courses of a non-departmental nature such as those offered by the General Education and Freshman Seminar programs. There must be curricular need and budgetary approval for the position. Ordinarily, Preceptor I appointees teach the equivalent of five to six courses or sections per year (some departments might consider a very large course to be the equivalent of two courses), and at least half of their total work should be comprised of in-classroom teaching and not course-equivalent duties. The enrollment minimum for Preceptor I positions is 30 enrollments or equivalent per year across all courses. There must be curricular need and budgetary approval for the position.

Criteria for promotion to Preceptor II:

- Must meet the standards for Preceptor I in addition to the following:
 - Alignment with departmental or programmatic curricular goals
 - An ability to provide evidence of student learning
 - Clear alignment between assessments and course learning goals
 - A commitment to fostering an inclusive learning environment that encourages open inquiry and the free exchange of ideas
- There must also be curricular need and budgetary approval for the position

Teaching load:

- 5-6 courses or sections or equivalent, as determined by the division

Enrollment minimum:

- A minimum of a total of 30 enrollments or equivalent per year across all courses

Criteria for promotion to Preceptor III:

- Must meet the standards for Preceptor II in addition to the following:
 - Evidence of successfully implementing evidence-based teaching practices, including a consistent history of assessing student learning and making adjustments to teaching based on findings
 - Evidence of mentorship or leadership in fostering these teaching practices amongst peers or mentees (e.g. training Preceptors and/or TA/TFs, etc.)
- There must be curricular need and budgetary approval for the position
- Preceptor III appointments are reviewed by an FAS committee

Teaching load:

- 5-6 courses or sections or equivalent, as determined by the division

Enrollment minimum:

- A minimum of a total of 30 enrollments or equivalent per year across all courses

For those Preceptors employed at the time of ratification of this Agreement and in the middle of an appointment, such Preceptors will be allowed to complete their current appointment. Upon the conclusion of their current appointment, they may apply for an open Preceptor position, which is contingent on curricular need and budgetary approval, and will require an open, advertised search conducted in accordance with all applicable FAS search procedures.

- 5 Benjamin Peirce Fellow (Math) (FAS only).** A Benjamin Peirce Fellowship is a non-tenure-track position in the Department of Mathematics that is held by scholars who possess significant promise as researchers and a strong record of teaching undergraduate or graduate students.

The appointment of a Benjamin Peirce Fellow is for a period of three years. Benjamin Peirce Fellowships are not renewable; however, those who choose to take unpaid leaves during their time as a Benjamin Peirce Fellow may be given the option of extending their Benjamin Peirce Fellowship by an equivalent amount of time,

depending on curricular needs and budget constraints, and with approval by the Department Chair. In such cases, appointments as Benjamin Peirce Fellows cannot ordinarily exceed a maximum of 5 years total. Benjamin Peirce Fellows are expected to have completed all requirements for the doctorate before their appointment start date. There must be curricular need and budgetary approval for the position.

~~In addition to their research activities, Benjamin Peirce Fellows are ordinarily expected to teach, advise, and perform limited departmental service.~~

6. Briggs-Copeland Lecturer (English) (FAS only). This appointment is for a period of five (5) years and is not renewable. It is a Lecturership in the Department of English that is designed for accomplished practicing writers. There must be curricular need and budgetary approval for the position.

7. Associate Senior Lecturer. (FAS/SEAS and HMS only). This appointment is for a period of five (5) years and is not renewable. Associate Senior Lecturer is a five-year, highly selective, non-renewable, non-tenure-track position for individuals who have demonstrated exceptional ability as teachers, are meeting a recurring, essential curricular need, and have shown exceptional potential for further growth. Appointments to this position are extremely rare. An Associate Senior Lecturer has at least three years of teaching experience as a course head for courses that would otherwise be taught by tenure-track or tenured faculty. Associate Senior Lecturers must either possess a doctorate or terminal degree with exceptions for certain appointments in the arts. There must be curricular need and budgetary approval for the position.

8. Temporary Course Instructor (HMS only)

Temporary Course Instructors are appointed on a course-by-course basis from time to time and are responsible for teaching assigned topics in alignment with established learning objectives and the course curriculum.

This temporary position requires subject matter expertise, effective teaching skills, and responsiveness to the Course Director's guidance and course requirements.

9. Instructor, Adjunct. (HDS only)

Appointments to the rank of instructor (adjunct) are short-term, temporary, non-tenure-track course head teaching appointments equal to or less than half-time in teaching responsibilities. The appointment has no PI rights. In most cases, the appointment is made for one semester, or one academic year. These appointments are renewable with approval from the Dean and depend on curricular needs and financial resources. Appointees are expected to be either advanced doctoral students or holders of a master's degree in the relevant discipline.

10. Lecturer, Adjunct. (HDS only) Appointments to the rank of lecturer (adjunct) are short-term, temporary, non-tenure-track course head teaching appointments equal to or less than half-time in teaching responsibilities. In most cases, the appointment is made for one semester, or one academic year. These appointments are renewable with approval from the Dean and depend on curricular needs and financial resources. Qualifications for appointment ordinarily include a PhD or equivalent terminal degree in the field.

11. Teaching Assistant (all Schools)

The following section on Teaching Assistants that eliminate time caps is offered only if the Union agrees to the University's Appointment and Reappointment article dated 8-4-25 and the University's last position on Discipline and Dismissal dated 12-12-24 and the workload and promotional expectations delineated elsewhere in the University's contract proposals on those subjects (See newly added language in the University's 1-23-26 Workload proposal. Promotional language will be proposed soon).

There shall be no limits on the number of Teaching Assistant reappointments, conditional on the University's determination of continuing need for the position.

Teaching Assistants ("TAs") engage in the same kinds of supervised instruction as HGSU-UAW teaching fellows but are not eligible for teaching fellow appointments or for membership in the HGSU-UAW unit, i.e. they are individuals who are not enrolled in a degree program at Harvard or they are students in Harvard non-degree programs outside of GSAS. Ordinarily, TAs will have received at least their A.B, before the appointment begins. TAs may or may not hold a doctorate.

TA appointments are effective only during the term of teaching and are generally part-time.

~~and are ordinarily limited to four academic years, dependent upon the individual's remaining eligibility within the FAS eight year rule. Whether appointed for a single semester or both semesters, any appointment within an academic year will result in that year counting as a full year of teaching for the purpose of this requirement. After the fourth year of teaching, if the individual is judged to be critical to the courses, exception approval can be sought to teach additional years, up to a cumulative total of eight years.~~

~~The University reserves the right to cancel or modify courses of instruction, to change times, days, or locations of courses, and to change a course's instructor(s) at any time.~~

~~Teaching Assistants are ordinarily hired only when a suitable Teaching Fellow (typically a Harvard doctoral degree candidate) cannot be identified.~~

There must be curricular need and budgetary approval for the position.

12. Instructor (HMS only). HMS Instructors are typically researchers who meet the HMS requirements for teaching HMS learners. Existing employees are red-circled into this role at HMS; no new appointments will be made but current instructors are eligible for additional one-year appointments

Section C. ~~FAS~~ **Research Positions**

The following are summary descriptions of the bargaining unit positions and not designed to describe all aspects of those positions. The Schools have the discretion to determine the appropriate types of research positions that are necessary to meet the research needs of the Schools and to change appointment types as needed.

The following length of appointments and reappointments for the positions in the bargaining unit shall be as follows:

1. **Fellow. Postbaccalaureate Researcher (all Schools)** Appointees to this position conduct ~~mentored~~-directed research under the supervision of a PI, department or center. To hold an appointment at this rank, the candidate must have a baccalaureate degree. This appointment is made to enable the individual to pursue his/her/their research under the general supervision of one or more Harvard faculty members. **Postbaccalaureate Researchers** engage in mentored training to enable them to become independent researchers. The appointment is contingent on funding, ordinarily full-time, made for a minimum of three months, and is not to exceed 12 months. Reappointment at this rank may be possible, subject to review by the Principal Investigator, and individuals may ordinarily serve in this category, whether full- or part-time, for ~~up to three (3)~~ **three to five (3-5) years.**

2. **Postdoctoral Researcher Fellow. (all Schools)**

This appointment is made to enable the individual to pursue his/her/their research under the general supervision of one or more Harvard faculty members. Postdoctoral researchers engage in mentored training to enable them to become independent researchers.

To hold an appointment at this rank, the candidate must have received a doctoral degree at the time of appointment. Ordinarily, the candidate will have **recently** earned a doctorate **within the five years preceding the appointment.** The appointment is contingent on funding, ordinarily full-time, made for a minimum of three months, and is not to exceed 12 months. Reappointment at this rank may be

possible, subject to review by the PI, and individuals may ordinarily serve in this category, whether full- or part-time, for up to five years

3. Postdoctoral Researcher, Specialist (HMS only) These specialist roles are postdoctoral researchers hired into roles where the roles require advanced skills, including expertise in drug discovery or advanced computational skills.

4. Senior Post-Doctoral Researcher ~~Research Associates~~ (FAS, SEAS and HMS)

This appointment is made to enable individuals, who have held at least one postdoctoral researcher position, to continue their research under the general supervision of one or more Harvard faculty members. While more advanced than postdoctoral researchers, senior postdoc researchers still engage in directed training to enable them to become independent researchers. They can also assist in the mentorship of postdoctoral researchers as part of their professional development.

Individuals receiving this appointment will possess a doctoral degree at the time of appointment and ordinarily will have had at least three years of postdoctoral experience. The appointment, which is contingent on funding, is ordinarily made for one year, for a total of up to five years, and is ordinarily full-time. Reappointment to the senior postdoctoral researcher position beyond five years (whether full-time or part-time) is not possible.

5. Research Scientist (or Research Scholars) (FAS, SEAS, and HMS)

Research Scientist appointments are made to secure the paid professional services of an individual in support of research projects directed by one or more faculty members. While Research Scientists have a modicum of independence in pursuing their research, they are, ordinarily, expected to contribute to the intellectual pursuits of the Harvard faculty member's research program or support the needs of a core facility or research center.

Individuals receiving this appointment will possess a doctoral degree at the time of appointment and ordinarily will have had at least five years of postdoctoral experience.

The appointment, which is contingent on funding and space, is made for five years. Feedback on performance will be provided on an annual basis. Reappointment in this rank for an additional five-year term requires review in the penultimate year of reappointment, with subsequent reviews for reappointment at similar intervals thereafter.

6 Senior Research Scientist (or Senior Research Scholars) (FAS, SEAS, and HMS)

Senior Research Scientist appointments are made to secure the paid professional services of an individual in support of the intellectual pursuits of a faculty member(s), department, core facility, or research center. Senior Research Scientists are also able to conduct their own independent research in collaboration with a Harvard faculty member or in support of a core facility or research center.

Individuals receiving this appointment will possess a doctoral degree at the time of appointment and ordinarily will have had at least ten years of postdoctoral experience. Individuals should have a strong record of scholarly publications.

The appointment, which is contingent on funding and space, is made for five years. Feedback on performance will be provided on an annual basis. Reappointment in this rank for an additional five-year term requires review in the penultimate year of appointment, with subsequent reviews for reappointment at similar intervals thereafter. Part-time appointments or non-consecutive appointments for a fraction of a year will ordinarily count as a one-year appointment for determining eligibility for a renewal or a review date.

7 Research Fellows. (FAS Only)

This appointment is made in areas where extensive postdoctoral experience prior to a junior faculty appointment is the norm and accords recent recipients of doctoral degrees a modicum of independence in conducting research under the auspices of departments or centers. This appointment currently is ordinarily restricted to the Rowland Institute, ~~the Society of Fellows~~, John Harvard Distinguished Science Fellows (JHDSF) and NSF-Simons Fellows. The appointment, which is contingent on funding, is made for a minimum of three months and is not to exceed 12 months. Reappointment may be possible; individuals may serve in this category, whether full- or part-time, for a maximum of five years. Appointees will be eligible for appointment to junior faculty positions or to the research scientist or senior research scientist positions.

D. Professional Staff Positions (FAS-SEAS and HDS)

The following represents only a broad overview of the positions. The parties recognize that the details of the work for any Employee holding such a classification will vary depending on the business needs of the department or unit.

Humanities/Social Sciences

1. Researcher II

Typical Duties & Responsibilities:

- Develops, designs and conducts original research
 - Conducts scientific analysis of experimental results designed to research problems or understand trends, characteristics and tendencies (social sciences only)
 - Manages research study including subject interaction, implementation of study design and controls, and on-and off-site trouble shooting
 - Designs interview and assessment protocols
 - Designs and modifies research methods in the areas of humanities and social sciences
 - Disseminates project results through writing articles, reports, memos, case studies and conference presentations
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- Bachelor's degree required (Master's degree preferred) with 3+ years of relevant experience

2. Researcher III

Typical Duties & Responsibilities:

- Plans, develops, designs and conducts complex research projects
 - Formulates research methods
 - Investigates, analyzes and interprets experimental results designed to research problems or understand trends, characteristics and tendencies in the areas of humanities and social sciences
 - Develops course materials and presents research findings
 - Interacts with faculty
 - Collaborates with other researchers for overall research project
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- Master's degree required (Doctorate preferred) with 5+ years of relevant experience

3. Senior Researcher I

Typical Duties & Responsibilities:

- Conducts humanities and social sciences research in area of expertise
 - Identifies resources in research community to approach research challenges
 - Responsible for the completion of projects and the attainment of program objectives
 - Manages all aspects of quality assurance, compliance and regulatory activities
 - Investigates, modifies and/or develops new protocols, procedures, techniques or applications of technology to advanced and highly complex research
 - Writes and collaborates with other researchers on manuscripts, abstracts, and other publications of research findings
 - Participates in writing research proposals, reports to funding agencies and articles for publication
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- Master's degree required (Doctorate preferred) with 7+ years of relevant experience

4. Senior Researcher II

Typical Duties & Responsibilities:

- Designs, develops and manages high level research projects
 - Designs and develops seminars, courses and presentations
 - Independently presents experiment results at meetings and/or conferences
 - Collaborates regularly with other researchers on long range plan for research project(s)
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- Master's degree required (Doctorate strongly preferred) with 8+ years of relevant experience

Natural Sciences

1. Researcher II

Typical Duties & Responsibilities:

- Develops, designs and conducts original research experiments in line with research plan
- Participates in the development and modification of new protocols and experimental strategies
- Interprets and implements research methodology

- Formulates research methods and suggests options for improving quality; recommends solutions to problems
- Conducts scientific analysis of experimental results designed to research problems or understand trends, characteristics and tendencies in the areas of basic, applied and life sciences
- Presents research findings at laboratory meetings
- Disseminates project results through writing articles, reports, memos, case studies and conference presentations
- Trains users in equipment operation and laboratory techniques
- Bachelor's degree required (Master's degree preferred) with 3+ years of relevant experience

2. Researcher III

Typical Duties & Responsibilities:

- Develops, designs and conducts one or more complex research experiments in line with plan; reviews progress and evaluates results
- Conducts independent scientific research projects investigating fundamental problems in area or research
- Independently designs and developments new techniques
- Advises on experimental design and applicability
- Investigates, analyzes, synthesizes and interprets experimental results designed to research problems or understand trends, characteristics and tendencies in the areas of basic, applied and/or life sciences
- Prepares and/or collaborates on articles for submission to scientific journals and publications; authors and coauthors manuscripts for publications
- Presents and co-presents results with Principal Investigator at meetings and/or conferences nationally and internationally
- Collaborates within and outside of own laboratory on related projects
- Assists broadly in research and educational activities within area of expertise
- Prepares proposals for funding
- Master's degree required (Doctorate preferred) with 5+ years of relevant experience

3. Scientist I

Typical Duties & Responsibilities:

- Plans, develops, designs and conducts complex and visible research projects for school/unit
 - Investigates, modifies and/or develops new protocols, procedures, techniques or applications of technology integrating new findings in field
 - Responsible for the completion of projects and the attainment of program objectives
 - Manages all aspects of quality assurance, compliance and regulatory activities
 - Identifies resources in scientific community to approach research challenges
 - Collaborates with other researchers on long range plan for overall research project acting as expert in specialized area
 - Participates in writing research proposals and reports to funding agencies
 - Writes and collaborates with other researchers on manuscripts, abstracts, and other publications of research findings
 - Interacts regularly with affiliated Institute faculty
 - Presents research results at national, regional and local meetings.
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- Ph.D required with 7+ years of relevant experience

4. Scientist II

Typical Duties & Responsibilities:

- Develops and manages high level research projects
 - Conducts independent research at the highest quality within a specialized field
 - Develops strategy and formulates original design of new processes/methodology to study research problems
 - Develops new or revised scientific protocols
 - May investigate, originate, initiate and submit award proposals with or without Principal Investigator to support research endeavors
 - Independently presents experiment results at meetings and conferences
 - Collaborates with Principal Investigator(s) to determine direction of research projects
 - Identifies research problems; designs and coordinates scholarly methods to study research problems; understands trends, characteristics and tendencies in the areas of physical, medical and basic sciences
 - Identifies topics and coordinates collaborations with research groups across disciplines, universities, countries, etc.
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- Ph.D required with 8+ years of relevant experience

Core Engineer – Professional

1. Research Core Engineer II

Typical Duties & Responsibilities:

- Provide professional engineering expertise in a core facility in process design, training, quality assurance, and developmental activities.
- Assist researchers with experimental design, use of equipment, and data collection. Analyze data and review identifiable factors to meet research goals. Assist researchers with use of equipment, instruments, systems, and facilities
- Assist with the evaluation, installation, maintenance, and monitoring state-of-the-art process equipment, other specialized instrumentation, and/or mechanical, electrical, or plumbing (MEP) systems needed to support instrumentation
- Provide training to researchers, faculty, and students to advance knowledge of the equipment, instruments/systems, and lab-specific safety protocols and best practices
- Collaborate with staff and make recommendations to develop processes and facility workflows; assist with preparation of training manuals including standard operating procedures and related documents
- Assist with monitoring of laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
- Bachelor's degree in an engineering or related field and one year of relevant work experience; or a minimum of five years of relevant work experience or equivalent combination of education and experience

2. Research Core Engineer III

Typical Duties & Responsibilities:

- Independently provide professional engineering expertise in a core facility in process design, training, quality assurance, and developmental activities.
- Represent core on scientific research projects. Assist researchers with experimental design, data collection, and/or analyses; analyze and evaluate identifiable factors to meet research goals. Assist researchers with use of equipment, instruments, systems, and facilities

- Evaluate, install, maintain, monitor, and participate in the selection of state-of the art process equipment, other specialized instrumentation, and/or mechanical, electrical, or plumbing (MEP) systems needed to support instrumentation
 - Provide training to researchers, faculty, and students to advance knowledge of the equipment, instruments/systems, and lab-specific safety protocols and best practices; serve as technical/engineering expert
 - Collaborate with staff and assist with the development of processes and facility workflows; prepare training manuals including standard operating procedures and related documents
 - Write and co-author scientific papers and other publications.
 - Monitor laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
- Bachelor's degree in an engineering or related field and a minimum of three years' relevant work experience; or a minimum of seven years of relevant work experience or equivalent combination of education and experience

3. Research Core Engineer IV

Typical Duties & Responsibilities:

- Lead and provide professional engineering expertise in a core facility in process design, training, quality assurance, and developmental activities.
- Represent core on scientific research projects; may lead complex projects. Provide guidance with respect to experimental design, data collection, and/or analyses; analyze and evaluate identifiable factors to meet research goals. Assist researchers with use of equipment, instruments, systems, and facilities
- Evaluate, install, maintain, monitor, and participate in the selection of state-of the art process equipment, other specialized instrumentation, and/or mechanical, electrical, or plumbing (MEP) systems needed to support instrumentation; may act as lead. Coordinate with vendors, as needed, for equipment inspection, repair, and service contracts
- Provide training to researchers, faculty, and students to advance knowledge of the equipment, instruments/systems, and lab-specific safety protocols and best practices; serve as technical/engineering expert
- Collaborate with staff to develop processes and facility workflows. Prepare training manuals including standard operating procedures and related documents
- Write and co-author scientific papers and other publications

- Collaborate with various departments and serve as a consultant
- Monitor of laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
- Bachelor's degree in an engineering or related field and a minimum of five years' relevant work experience, or a minimum of nine years of relevant work experience or equivalent combination of education and experience

4. Research Core Engineer V

Typical Duties & Responsibilities:

- Manage and provide professional engineering expertise in a core facility in process design, training, quality assurance, and developmental activities.
- Serve in a lead role and represent core on complex development processes and projects. Provide guidance with respect to experimental design, data collection and/or analyses; analyze and evaluate identifiable factors to meet research goals. Assist researchers with use of equipment, instruments, systems, and facilities
- Evaluate, install, maintain, monitor, and participate in the selection of state-of the art process equipment; other specialized instrumentation, and/or mechanical, electrical, or plumbing (MEP) systems needed to support instrumentation; may act as lead. Coordinate with vendors, as needed, for equipment inspection, repair, and service contracts
- Provide training to researchers, faculty, and students to advance knowledge of the equipment, instruments/systems, and lab-specific safety protocols and best practices; serve as key engineering liaison
- Collaborate with staff to develop processes and facility workflows; Prepare training manuals including standard operating procedures and related documents
- Participate in proposal development and may be eligible for Principal Investigator rights
- Write and co-author scientific papers and other publications
- Collaborate with various departments and serves as a consultant/subject matter expert
 - Monitor laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
- Bachelor's degree in an engineering or related field and a minimum of eight years of relevant work experience; or a minimum of twelve years of relevant work experience or equivalent combination of education and experience

Research Core Science – Professional ,

1. Research Core Scientist II

Typical Duties & Responsibilities:

- Execute a range of scientific research activities in a core facility including planning and conducting experiments, recording, and analyzing data, and provide training to researchers.
- Participate in experiments/collect data to meet project objectives. Serve as a resource for experimental design and use of equipment facilities; advise and make recommendations to develop and execute scientific research. Analyze data and review identifiable factors to meet research goals
- Provide training to researchers to advance knowledge of the equipment, instruments, methods, systems, and lab-specific safety protocols and best practices
- Collaborate with staff and make recommendations to develop processes and facility workflows. Assist with the preparation of training manuals including standard operating procedures and related documents
- Assist with evaluation, installation, and maintenance and monitoring of state-of-the-art equipment and research instrumentation
- Assist with monitoring of laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations

- Bachelor's degree in a scientific or engineering discipline and at least one year of relevant work experience; or a minimum of five years of relevant work experience or equivalent combination of education and experience

2. Research Core Scientist III

Typical Duties & Responsibilities:

- Independently execute a range of complex scientific research activities in a core facility including planning and optimizing research, designing analysis algorithms, and providing training to researchers.
- Represent core on scientific research projects. Investigate the feasibility of applying a wide variety of scientific principles and concepts to meet objectives and solve complex problems. Serve as a resource for experimental design and use of equipment facilities; advise and make recommendations to develop and execute complex scientific research. Analyze data and review identifiable factors to meet research goals

- Provide training to researchers to advance knowledge of the equipment, instruments, methods, systems, and lab-specific safety protocols and best practices; serve as technical liaison
 - Write and co-author scientific papers and other publications
 - Coordinate with staff and make recommendations to develop processes and facility workflows. Assist with the preparation of training manuals including standard operating procedures and related documents
 - Evaluate, install, maintain, and monitor state-of-the-art equipment and research instrumentation
 - Assist with monitoring of laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
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- Bachelor's degree in a scientific or engineering discipline and at least two years of relevant work experience; OR a minimum of seven years of relevant work experience or equivalent combination of education and experience

3. Research Core Scientist IV

Typical Duties & Responsibilities:

- Lead and execute a range of scientific research in a core facility environment including planning and optimizing research, designing analysis algorithms, and providing training to researchers.
- Represent core on scientific research projects and may lead complex projects. Investigate the feasibility of applying a wide variety of scientific principles and concepts to meet objectives and solve complex problems.
- Collaborate with researchers to advise, counsel, and make recommendations on the best experimental approaches. Provide guidance on experimental design, data collection and/or analyses; analyze and evaluate identifiable factors to meet research goals
- Provide training to researchers to advance knowledge of the equipment, instruments, methods, systems, and lab-specific safety protocols and best practices; serve as technical liaison
- Write and co-author scientific papers and other publications
- Collaborate with staff and make recommendations to develop processes and facility workflows. Prepare training manuals including standard operating procedures and related documents
- Evaluate, install, maintain, and monitor of state-of-the-art equipment and research instrumentation. Manage service contracts. Coordinate with vendors as needed

- Manage administrative activities, processes, and workflows. Collaborate with various departments and serve as a consultant
- Assist with monitoring of laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations
- Bachelor's degree in a scientific or engineering discipline and at least five years relevant of work experience; or a minimum of nine years of relevant work experience or equivalent combination of education and experience

4. Research Core Scientist V

Typical Duties & Responsibilities:

- Manage and execute a range of complex scientific research in a core facility environment including planning and optimizing research, designing analysis algorithms, and providing training to researchers, faculty, and staff.
- Serve in a lead role and represent core on complex projects. Investigate the feasibility of applying a wide variety of scientific principles and concepts to meet objectives.
- Collaborate with students, researchers, and faculty to advise, counsel, and make recommendations on the best experimental approaches relative to the nature of the research. Including serving as a subject matter expert to guide experimental design, use of equipment/facilities, and research data collection.
- Provide guidance with respect to data collection and/or analyses; analyze and evaluate identifiable factors to meet research goals
- Provide training to researchers to advance knowledge of the equipment, instruments, methods, systems, and lab-specific safety protocols and best practices; serve as a technical lead
- Write and co-author scientific papers and other publications. Participate in proposal development and may be eligible for Principal Investigator rights
- Oversee preparation of training manuals including standard operating procedures and related documents
- Evaluate state-of-the-art equipment and research instrumentation and oversee their installation and maintenance
- Collaborate with various departments and serve as a consultant. Oversee administrative activities, processes, and facility workflows
- Monitor laboratory safety compliance and ensure compliance with University policies, procedures, and applicable legal rules and regulations

- PhD in in a related scientific discipline. Minimum of eight years' relevant work experience

Technical ,

1. Engineer (Grade 56)

Typical Duties & Responsibilities:

- Responsible for static, dynamic design and analysis of mechanical systems, equipment and packages
- Designs scientific apparatus
- Oversees final assembly, testing, optimization and installation of system
- Investigates and evaluates current measurements, control techniques and existing technology
- Provides technical and field support for own designs
- Bachelor's degree required (engineering degree preferred) with 3+ years of relevant experience

2. Mechanical Engineer (Grade 57)

Typical Duties & Responsibilities:

- Manages research, development and prototyping of mechanical devices
- Provides technical expertise for patent process
- Writes business plans for instruments
- Bachelor's degree required (engineering degree preferred) with 5+ years of relevant experience

3. Engineer (Grade 58)

4. Engineer (Grade 59)

Typical Duties & Responsibilities:

- Engineers the planning, design, operation, repair and maintenance of the university's utility infrastructure

- Responsible for utility distributions systems to ensure system capability, reliability, and safety measures
 - Engineers and oversees the installation and relocation of underground utility infrastructures with minimum impact to the university's community
 - Monitors trends that impact local utility rates and assists in the University's utility metering, accounting and billing activities
 - Performs utility rate analysis, evaluates the cost impact and develops cost control opportunities
 - Communicates with governmental agencies to ensure that the University's interests are served
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- Bachelor's degree in Engineering with 8+ years of relevant experience • Professional Registration required

5. Engineer (Grade 60)