Guide to the BK21 Project for Medical Science
(Graduate School of Yonsei University Medical College)

**Education Objective:** The purpose of the graduate school is to help students explore creative theories and scientific methods and develop leadership skills to contribute to the further enhancement of society based on Christian principles.

**History of the Yonsei University College of Medicine**

The oldest and most respected educational institution in medicine in Korea, the Yonsei University College of Medicine was the first in the nation to adopt modern medical science and has been a pioneer in the medical field.

American missionary Dr. H. N. Allen founded the Gwanghyewon Royal Hospital in 1885 based on the principles of Pioneering, Christianity and Collaboration. The hospital was later renamed Jejungwon. In 1886 the Jejungwon Medical School was established as a medical department annexed to the hospital, but it was not until 1899 that the school began to grow as an independent medical school with the enrollment of the first regular class of medical students.

After the Japanese Imperial Period the school was re-titled the Severance Union Medical College, with a four-year curriculum, in 1913. It later became Severance Medical College in 1917, and Severance Hospital Medical School in 1947. In 1957 Severance combined its program with Yeonhee University to form Yonsei University College of Medicine, and in 1962 transferred to a new facility located in Shinchon.

Since then, Yonsei University College of Medicine has continued to advance to meet the challenges of constant change in education fit for the medical needs of Korea.

There are currently **thirtytwo** (32) research institutes attached to the university, conducting cutting edge research in molecular biology to find cures for unresolved medical ailments such as heart disease, brain disorders, genetic disorders and respiratory diseases. The faculty, consisting of 525 professors and 314 instructors, is rated in terms both of quality and quantity as first-class in the nation. Lectures and practice facilities are also recognized as the best in Korea.

The department of medical science is for those who want to obtain doctoral degrees and pursue careers in medicine. It was established in the second semester of the 1999 academic year, at the same time that the first phase of the BK21 project was selected.
I. The Office of Administration

Dean: Chung, Namsik, M.D., Ph.D. (Internal Medicine)
Director: Kim, Hoguen, M.D., Ph.D. (Pathology)
Head staff: Suh, Young-Keun (82-2-2228-2031, seoyg@yuhs.ac)
Staff: Lee, Se-Jung (82-2-2228-2036, bk21ces@yuhs.ac)
   Lee, Ju-Mi (82-2-2228-2037, bk21@yuhs.ac)
Department Office: School of Medicine, Main Hall, 1st Floor, Suite 101
Fax: 82-2-393-4945

- Related Links
  BK21 Medical Science Department:  http://bk21-medsci.yonsei.ac.kr
  Graduate School Portal System:  http://portal.yonsei.ac.kr
  Graduate School of Yonsei University:  http://www.yonsei.ac.kr/grad
  Medical Library:  http://ymlib.yonsei.ac.kr
  Main Library:  http://library.yonsei.ac.kr

II. Scholarship/Financial Aid and BK21 Candidates

1. Scholarship Policy

A. Graduate Student Candidate Financial Aid:  Awarded from March 2006 to 2012 for seven (7) years.
   Awarded quarterly (at the end of May, August, November, and February) to those pursuing Masters (2 years), Ph.D (4 years), and Joint Programs (5 years)

- Student Financial Aid Policy (Including Foreign Students)

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<thead>
<tr>
<th></th>
<th>TOEFL</th>
<th>Semesters 1~4</th>
<th>Semesters 5~6</th>
<th>Semesters 7~8</th>
<th>Semesters 9~10</th>
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<tbody>
<tr>
<td>Master</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not Available</td>
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<tr>
<td>Less than 550</td>
<td>KRW 800,000</td>
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<tr>
<td>550 and above</td>
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<td>KRW 1,000,000</td>
<td>KRW 500,000</td>
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<tr>
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<td>Joint</td>
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<tr>
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<td>KRW 500,000</td>
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<tr>
<td>550 and above</td>
<td>Full Tuition</td>
<td>Full Tuition</td>
<td>KRW 1,000,000</td>
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</table>

* Full tuition given to those who meet the above requirements or whose SCI(E) scientific journal first author IF sum is more than 4.0
B. Incentives: Incentives awarded based on the following criteria to the first author or co-author of a dissertation published in SCI(E) registered in international scientific journals

- First Author -

<table>
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<tr>
<th>Standard</th>
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<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>1.F = 2.0</td>
<td>KRW 500,000</td>
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<tr>
<td>2.0 = 1.F = 4.0</td>
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</tr>
<tr>
<td>4.0 = 1.F = 10.0</td>
<td>KRW 1,500,000</td>
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</tr>
<tr>
<td>10.0 = 1.F = 15.0</td>
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<tr>
<td>15.0 = 1.F</td>
<td>KRW 5,000,000</td>
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- Co-Author -

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<tbody>
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<tr>
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<tr>
<td>15.0 = 1.F</td>
<td>KRW 500,000</td>
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C. Yonsei University Institutional TOEFL: Paid twice a year (KRW 45,000)

D. Excellence Scholarship: Limited awards are granted depending on research proposal and academic achievements (the number of persons, variable amount)

2. Health Aid Coverage

The Health Aid Coverage fee is to be submitted with school tuition. Coverage is applied only to the applicant. Any medical costs must be initially paid by the individual and will be compensated upon submission of receipts. For more information, please contact us at 082-2-2123-3351 2.

3. International Conferences

A. If presenting one’s own dissertation at an international conference, airfare, registration fees, and lodging costs will be provided for those in Masters (2 years), Ph.D. (4 years), and Joint Programs (5 years).

B. An “international conference” refers to a conference in which more than four countries participate with more than 100 presentations. As to abstracts, only the first authors will be awarded. This includes oral and poster presentations.

C. The award will be given once a year. Although it is preferable for the supervising professor to accompany the grantee to the conference, it is also possible for a professor
participating in the project committee or a new researcher on the project committee to accompany the grantee. It is possible for PhD candidates to attend conferences alone, but they must submit the reason why the supervising professor is absent.

D. Expenses for international conferences will be provided to each professor and student per abstract that is to be presented at the conference. For example, if one supervising professor accompanies three (3) graduate students, there must be three abstracts each mentioning the professor and student.

E. If an international conference is hosted in Korea, only the registration fee will be covered.

F. Registration Policy: All works must be registered under “Brain Korea 21 Project for Medical Science, Yonsei University.” Even if the space is limited, it is essential that the following be displayed and noted on the registration form: “This work was supported by Brain Korea 21 Project for Medical Science, Yonsei University.”

❖ If the required BK21 registration/display is not shown, fees cannot be covered.

G. Assigned reward amount

<table>
<thead>
<tr>
<th>Country Amount</th>
<th>Southeast Asia</th>
<th>U.S. and Canada</th>
<th>Australia</th>
<th>Europe</th>
<th>Africa, South America</th>
</tr>
</thead>
<tbody>
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<td>Graduate Student</td>
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<td>200</td>
<td>210</td>
<td>220</td>
<td>170</td>
</tr>
</tbody>
</table>

F. Required documents:

1) application
2) copy of the cover page and the pages of the published abstract; and
3) receipts for airline ticket, registration fee, lodging and food expenses

III. Information Regarding Attendance, Temporary Absence and Returning Students

1. Attendance and Temporary Absence

A. Master’s and doctoral degree candidates must be enrolled for four semesters and registered for research until the degree is obtained. Joint master’s and doctoral candidates must be enrolled for six semesters and registered for research until the degree is obtained.

B. The length of each program is limited to four years for a master’s degree, seven years for a doctoral degree, and eight years for a joint degree. Candidates must have submitted their dissertation, which should be approved upon examination. Temporary absence or time in which a candidate's status as student is taken off the register does not count
towards the length of the program.

C. Temporary absence cannot exceed two years for a master’s and three years for a doctoral degree program.

D. Temporary absence must be registered through the University Portal System. If a student is notified to report for military service and therefore will be absent for the duration thereof, a copy of the Notice for Enlistment or the Certificate of Enlistment must be submitted to the office of administration. The duration of the student’s military service will not count towards the length of the program for the corresponding degree. Upon discharge from the service, the student must enroll in the program within six (6) months.

2. Returning/Re-admission

A. Returning students must apply via the school’s Portal System during the predetermined period prior to the beginning of the semester (mid-February or mid-August). Students on leave due to military service must submit to the department office a copy of their Certificate of Military Service Completion. Students who are notified for military service must submit a copy of their Notice for Enlistment or Certificate of Enlistment. Students seeking re-admission must submit a re-admission application and provide an explanation of their absence.

B. Students discharged in April must submit to the department office a copy of the certificate of scheduled completion and a letter of approval for school attendance.

C. Students who complete their military service must register with the School Reserve Regiment (Baekyang-gwan Bldg. Rm. 105 ☎ 2123-3686).

D. Students who fail to return to school within the allowed period will be dismissed from the program.

E. In the above case (item D), or when a student fails to register and is dismissed from the program as a result, the student may be re-admitted once.

IV. Curriculum and Classes

1. Requirements for a Master’s (30 Credits or More)

A. Declared major: 22 credits

1) 2 required subjects for major – 3 credits each
2) Medical Science Special Lecture Series I & II - 3 credits each
3) Major Practice I & II - 3 credits each
4) Independent Research I & II - 2 credits each
B. Electives: 9 credits: 1) Courses relevant to the declared major
   2) It is possible to register for courses in other departments (must be
      approved by the supervising professor)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Classes</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>1st</td>
<td>Major</td>
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<td></td>
<td>Medical Science Special Lecture</td>
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<td></td>
<td>Series I</td>
<td></td>
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<tr>
<td></td>
<td>Major Practice I</td>
<td>Elective</td>
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<tr>
<td>2nd</td>
<td>Major</td>
<td></td>
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<tr>
<td></td>
<td>Medical Science Special Lecture</td>
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<tr>
<td></td>
<td>Series II</td>
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<td></td>
<td>Major Practice II</td>
<td>Elective</td>
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<td>3rd</td>
<td>Elective</td>
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<td></td>
<td>Independent</td>
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<td></td>
<td>Research I</td>
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<td></td>
<td>Research/ Experiment</td>
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<td>Research/ Experiment</td>
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<td>5 credits</td>
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<td>4th</td>
<td>Independent Research II</td>
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<td>Research/ Experiment</td>
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<td>2 credits</td>
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2. Requirements for Ph.D. (30 Credits or More)

A. Declared major: 22 credits
   1) 2 subjects required for the declared major: 3 credits each
   2) Medical Science Special Lecture Series III & IV - 3 credits each
   3) Major Practice III & IV - 3 credits each
   4) Independent Research III & IV - 2 credits each

B. Electives: 9 credits: 1) Courses relevant to the declared major
   2) It is possible to register for courses in other departments (must be
      approved by the supervising professor)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Classes</th>
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<tbody>
<tr>
<td>1st</td>
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<td></td>
<td>Medical Science Special Lecture</td>
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<td>Series III</td>
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<td>Major Practice III</td>
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<tr>
<td>2nd</td>
<td>Major</td>
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<tr>
<td></td>
<td>Medical Science Special Lecture</td>
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<td>Series IV</td>
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<td>Major Practice IV</td>
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<td>3rd</td>
<td>Elective</td>
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<td></td>
<td>Independent</td>
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<tr>
<td></td>
<td>Research III</td>
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<td>Research/ Experiment</td>
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<td></td>
<td>Research/ Experiment</td>
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<td></td>
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<td>5 credits</td>
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<tr>
<td>4th</td>
<td>Independent Research IV</td>
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<td>Research/ Experiment</td>
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<td>Research/ Experiment</td>
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<td>2 credits</td>
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<td>5th</td>
<td>Research/ Experiment</td>
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<td>Research/ Experiment</td>
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3. Requirements for Joint Program (54 Credits or More)

A. Declared major: 37 credits
   1) 3 required subjects for the declared major - 3 credits each
   2) Medical Science Special Lecture Series I, II, III & IV - 3 credits each
   3) Major Practice I, II, III & IV - 3 credits each
   4) Independent Research I & II - 2 credits each

B. Electives: 18 credits: 1) Courses relevant to the declared major
               2) It is possible to register for courses in other departments (must be approved by the supervising professor)

C. Students obtaining only Master’s will be limited to the curriculum designated for Master’s

<table>
<thead>
<tr>
<th>Semester</th>
<th>Classes</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Major: Medical Science Special Lecture Series I, Major Practice I</td>
<td>Elective</td>
</tr>
<tr>
<td>2nd</td>
<td>Major: Medical Science Special Lecture Series II, Major Practice II</td>
<td>Elective</td>
</tr>
<tr>
<td>3rd</td>
<td>Major: Medical Science Special Lecture Series III, Major Practice III</td>
<td>Elective</td>
</tr>
<tr>
<td>4th</td>
<td>Medicine Special Lecture Series IV, Major Practice IV</td>
<td>Elective</td>
</tr>
<tr>
<td>5th</td>
<td>Elective: Independent Research I, Research/ Experiment</td>
<td>Research/ Experiment</td>
</tr>
<tr>
<td>6th</td>
<td>Elective: Independent Research II, Research/ Experiment</td>
<td>Research/ Experiment</td>
</tr>
<tr>
<td>7th</td>
<td>Research/ Experiment, Research/ Experiment</td>
<td>Research/ Experiment</td>
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</table>

V. Qualifying Exam (Dissertation Qualifications)

1. Eligibility
   A. Master’s: 1) Must be a graduate student who has completed 2 semesters of graduate courses and earned 18 credits or more
               2) Must pass the language exam (Minimum scores: TOEFL - 500; TOEIC - 550; and TEPS - 450)
B. Ph.D.: 1) Must be a graduate student who has completed 2 semesters of graduate courses and earned 18 credits or more
   2) Must pass the language exam (Minimum scores: TOEFL - 550; TOEIC - 700; and TEPS - 600)
C. Joint Program: 1) Must be a graduate student who has completed 4 semesters of graduate courses and earned 45 credits or more
   2) Must pass the language exam (Minimum scores: TOEFL - 550; TOEIC - 700; and TEPS - 600)
* Students who exceed the regular number of semesters and who have not submitted their TOEFL score will be exempted from having to submit their TOEFL score if they are listed as the first author in the SCI-level dissertation or as the co-author in at least two articles in the SCI-level dissertation
D. Common requirements: 1) Graduate students must obtain approval from the supervising professor
   2) Properly attending/enrolled students (Students on leave for temporary absence may not apply)

2. Registration Forms: Applications can be downloaded from the school website (http://bk21-medsci.yonsei.ac.kr). Applications are accepted at the department office during the first week of February and August each year.

3. Subjects for Examination
   A. Master’s (2 subjects): major 1 subject, elective 1 subject
   B. Ph.D. and Joint Program (3 subjects): major 1 subject, electives 2 subjects
   C. Subjects not related to the major may not be considered for examination.

4. Requirements to Pass Examination: Students must attain a score of at least 70 points out of 100 to pass the examination for each subject. Students must re-apply to those subjects in which they fail to attain this minimum score.

VI. Dissertation
1. The supervising professor for a dissertation is assigned based on what the student has expressed during the first semester following enrollment.
2. Students in the third semester of a master’s program, in the third semester of a doctoral program, or in the fifth semester in a joint program must apply to take the qualifying exam
needed for submitting a dissertation (at the beginning of January and July). Regardless of the
admission decision, a research plan must be submitted. The research plan can be submitted
even when the student is on a temporary leave. Students in their second semester or those in
their fourth semester may submit a plan as well.

3. Students who submit a research plan must present it in the presence of the entire committee
under the supervision of the supervising professor. According to the committee’s advice, a
student must modify the research plan, submit it, and conduct research accordingly. Unless
there are special circumstances, the committee will consist of members of the dissertation
examining committee.

4. Requirements for Submitting a Dissertation

A. Master’s: 1) Students in this program may submit their dissertation beginning in their
fourth (4th) semester.

2) Students must submit a research plan and the committee evaluation must be
completed in the third (3rd) semester.

3) Students must also attend the 2-day conference for Ph.D. preliminary
examination and submit a report;

4) pass the qualifying examination; and

5) maintain a GPA of 3.00 (B0) or above for 30 credits or more.

B. Ph.D.’s: 1) Students in this program may submit their dissertation beginning in the fifth
(5th) semester.

2) Students must submit a research plan and the committee evaluation must be
complete in the third (3rd) semester.

3) Students must also attend the 2-day conference for Ph.D. preliminary
examination and submit a report;

4) pass the qualifying examination; and

5) maintain a GPA of 3.00 (B0) or above for 30 credits or more.

6) Students entering the program in 2000 or later must, prior to submission of
their degree-obtaining dissertation, present in an international scientific journal
such as SCI at least one dissertation related to the relevant field of their degree-
obtaining dissertation, or it must be confirmed that such a presentation is in
press (regardless of whether the student is the first author).

C. Joint Degree: 1) Students in this program may submit their dissertation beginning in the
seventh (7th) semester.

2) Students must submit a research plan and the committee evaluation must be
completed in the fifth (5th) semester.

3) Students must also attend the 2-day conference for Ph.D. preliminary
examination and submit a report;
4) pass the qualifying examination; and
5) maintain at GPA of 3.00 (B0) or above for 54 credits or more.
6) Students entering the program in 2000 or later must, prior to submission of
their degree-obtaining dissertation, present in an international scientific journal
such as SCI at least one dissertation related to the relevant field of their degree-
obtaining dissertation, or it must be confirmed that such a presentation is in
press (regardless of whether the student is the first author).

5. Students planning to submit a dissertation must draft and submit it according to the rules
of drafting a dissertation and by the predetermined date (early March or early September).
Also, the students must make a public presentation of the submitted dissertation to the
examining committee and go through the preliminary examination (March to April or
September to October) and the examination (May to June or November to December).
6. In the event that the title of the dissertation is modified, a request for title amendment
must be filed after the dissertation examination.
7. Upon completion of final amendments to the degree-obtaining dissertation following the
examination, the student must have it bound and submit it to the main library, and must
provide verification that the dissertation has been submitted, along with a summary of it
both in Korean and English.

VII. Other Administrative Affairs
1. Information regarding administrative affairs for the graduate school (registration, qualifying
examinations, thesis, etc.) and related forms are posted on the website at http://bk21-
medsci.yonsei.ac.kr. Please check the website frequently. (Please refer to Related Links on
page 1)
2. Main Tasks
   A. Main Office: ① School registration and certify student status
      ② Supervise TOEFL exams
   B. Department Office: ① register for courses ② supervise qualifying exams
      ③ supervise dissertation evaluation
3. Student cards (“ID cards”) are issued at the branch office of Woori Bank located on campus.
   Those who have completed military service may register with the School Reserve Regiment
   (Baekyang-gwan Bldg. Rm. 105 ☎ 2123-3686) and have their training hours reduced.
4. You may view any information regarding academic matters on the Yonsei Graduate School
   Portal System (http://portal.yonsei.ac.kr) by using your Student ID number and the last seven
   (7) Alien Registration Number
1. Search grades and number of credits
2. Register for and modify courses
3. Enroll and Written Notice, Certificate of Tuition Payment
4. Temporary absence and Returning Students

5. Main Telephone Directory
   ? Main Campus – Admissions: 82-2-2123-3233
      Registration. Scholarship: 82-2-2123-3234
      Academics. Grades: 82-2-2123-3236
      English Competency Exam: 82-2-2123-3235
      On Leave/Returning students: 82-2-2123-4109

   ? General Service Center – Undergraduate/Graduate Studies Certificates 2123-3204
      How to Obtain Certificates
      1) On campus: automatic machine (Co-ed building 1st floor)
         ‡ Students can use the service 24/7 all year round to print their certificates
      2) Off campus: A. Internet access (available to print using personal color printers)
         School website ‡ Click on the print option on the lower right corner of the screen
         B. Request via web (will be mailed)
         School website ‡ Find “Information Services” on upper right ‡ Click on “Degree Verification” below ‡ “Degree Verification Request” on off-center to the left ‡ Click on “Online Request (via mail)”
         C. Fax: can be requested and obtained from the local municipal office

   ? Main Library – Dissertation submission: 82-2-2123-3309
      Online submission: 82-2-2123-4137
   ? Health Aid Committee – 82-2-2123-3350-2
   ? Army Reserve – 82-2-2123-3686

6. Miscellaneous
   1. Completing laboratory/experiment Notes: submitting application for lab Notes (confirmation is required from the supervising professor)
      Lab processes and results must be noted in the lab reports provided by the school. These Notes cannot be removed from the laboratory.
   2. For handling isotope materials, confirmation from the supervising professor and a recommendation from the head of the medical center are required in order to obtain
handling permission.

3 Those wishing to enter the Clinical Medicine Research Center must provide confirmation from their supervising professor in order to obtain entry approval from the administrative office.

4 There is no assigned parking for graduate students.