

College of Pharmacy & Nutrition

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A. J. Remillard, Assistant Dean of Pharmacy and Nutrition (Research and Graduate Studies)

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DIVISION OF PHARMACY

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M. Foldvari, D. K. J. Gorecki, J. W. Hubbard, G. McKay,

A. J. Remillard, L. G. Suveges

Associate Professors

A. J. Nazarali, J. G. Taylor

Assistant Professors

J. Alcorn, B. E. Allen, D. F. Blackburn, R. T. Dobson,

J. Fang, E. S. Krol, S. L. Neubauer

Lecturer

D. Hawrysh

Sessional Lecturer*

R. Joubert

Adjunct Professors*

M. Baca-Estrada, K. K. Midha, C. J. Richardson,

H. A. Semple

Clinical Assistant Professors*

P. Calissi, B. Evans, M. Gaucher, C. J. Richardson,

W. Semchuk, B. J. Thiessen

Clinical Instructors*

D. Ast, R. Bachand, R. Bannister, S. Belyk,

E. Berezowski, J. Bradshaw, P. Buchanan, J. Burgess,

C. Carruthers, K. A. Champagne, L. Cheung,

L. Cholowski, J. Chupa, K. Cook, C. Coote,

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C. McLean, A. McLelland, K. Melnyk, P. Melnyk,
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R. Smith, R. Stewart, E. Stevenson, B. Surjik,
H. Swiatecki, S. Szabo, D. Toni, D. Townsend,
K. Townsend, A. Wahler, G. Walls, D. Walter,
C. Wilken, D. Windross, T. Wur, D. Woloschuk,
S. Woloshyn, D. Wood, W. Wood, D. Wylie, G. Yee,
C. Yeung, M. Youngmans, R. Yung

DIVISION OF NUTRITION AND DIETETICS

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Associate Professor

G. A. Zello

Assistant Professors

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Sessional Lecturer*

S. Cook

Clinical Assistant Professor*

S. M. Mahaffey

Clinical Instructors*

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K. Butler, S. Cadman, D. Campbell, M. Chan,
K. Chorney, C. Chu, M. Classen, J. Coleman, K. Coles,
C. Colleaux, S. Cook, L. Cooper, C. Coote, C. Coulson,
I. Courchene, S. Cummings-Smith, J. Dawkins, E. Dice,
J. Doig, C. Downes, H. Drozd, C. Dunphy, J. Durden,
H. Dzioba, H. Erasmus, H. Flengeris, J. Fritz,
R. Gallagher, B. Gellert, H. Genik, Y. Gerster,
L. Gilmour-Kessler, S. Giroux, T. Hamilton, K. Hangs,
M. Hart, S. Hartridge, N. Haskey, A. Hendrickson,
S. Hildebrant, A. Hill, C. Hnatiw, T. Holmes,
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V. Irvine, T. Isaac, T. Ives, J. Jobe, L. Jungwirth,
V. Jurgens, K. Kaleta, A. Kapp, S. Keeler, T. Keenan,
K. Kennedy, A. Kish-Greer, N. Klassen, L. Kliman,
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J. Okroj, D. Olson, S. Osborne, L. Pasishnek, T. Peters,

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S. Scherman, R. Sehn, T. Shakotko, N. Shanks,
R. Simonson, S. Siuksteris, J. Smith, T. Soestad,
T. Soutar, T. Stadnyk, B. Stolhandske, S. Taylor,
J. Thiessen, D. Thompson, S. Thoms, C. Thomson,
L. Toffelmire, A. Toogood, H. Torrie, C. Udey,
W. Underhill, J. Van Nus, J. Van Blaricom, J. Veregin,
T. Vodon, B. Volk, J. Wade, S. Walker,
D. Webb-Listwin, W. Wesam, D. Wiebe, S. Willoughby,
K. Witte, A. Wolfe, K. Wood, J. Wright, B. Wright,
K. Yee, J. Zahariuk, N. Zello, S. Zwingli

MEMBERS FROM OTHER FACULTIES

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P. M. Bidwell, Assistant Professor and Head of English

J. R. Doucette, Professor of Anatomy and Cell Biology

P. M. Dowling, Associate Professor of Veterinary

Physiological Sciences

J. R. Gray, Assistant Professor of Biology

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Microbiology and Food Science

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L. F. Qualtiere, Professor of Pathology

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Epidemiology

J. S. Richardson, Professor of Pharmacology and

Associate Member in Psychiatry

M. P. Singh, Associate Professor of Chemistry

P. A. Thacker, Professor of Animal and Poultry Science

A. Wollin, Associate Professor of Physiology

* Denotes non-members of faculty.

PHARMACY

Degree Program

The university offers a four-year program leading to the degree of Bachelor of Science in Pharmacy (B.S.P.).

Students must have completed a minimum of one year (30 credit units) of university courses to be considered for admission. This program prepares students to enter community pharmacy, hospital pharmacy, industrial pharmacy, or postgraduate study.

To receive a degree in Pharmacy from the University of Saskatchewan, a student must have completed at least 39 credit units of Pharmacy courses (carrying PHARM label) at this institution. In the case of students wishing to receive credit for courses taken at another College/Faculty of Pharmacy, courses will be reviewed individually to determine if credit will be granted. Students will be responsible for providing adequate information to allow proper review of course content.

SECOND DEGREES

Students in the College of Pharmacy and Nutrition who wish to complete their studies toward the Bachelor of Arts or the Bachelor of Science in addition to the Bachelor of Science in Pharmacy are advised to consult the Office of the Dean of Arts and Science (<http://arts.usask.ca>) to determine the precise requirements.

GRADUATE STUDY IN PHARMACY

A recipient of a Bachelor of Science in Pharmacy, who has obtained a sufficiently high standing in the four-year degree program, may apply to the College of Graduate Studies and Research (www.usask.ca/cgsr) and proceed to the degree of Master of Science and to a Doctor of Philosophy degree. The College of Pharmacy and Nutrition offers programs of study in clinical pharmacy and the pharmaceutical sciences—medicinal chemistry, pharmaceuticals, pharmaceutical chemistry, biopharmaceutics/ pharmacokinetics, molecular biology/biotechnology, toxicology, pharmacoepidemiology and pharmacoconomics. See the College of Graduate Studies and Research section of the *Calendar*.

INTERNSHIP

Students registered in the Bachelor of Science in Pharmacy program must register as interns with the Saskatchewan Pharmaceutical Association in order to participate in the required clerkship courses.

LICENSE IN PHARMACY

Qualification for registration as a licensed pharmacist for most provinces in Canada includes the following: a Bachelor of Science in Pharmacy degree from an accredited program, certification with the Pharmacy Examining Board of Canada and completion of structured practical training. For students at the University of Saskatchewan, the required structured practice experiences are included within the degree program. On successful completion of the degree and the qualifying examination for certification with the Pharmacy Examining Board of Canada, pharmacy graduates from the University of Saskatchewan are eligible for licensure with the Saskatchewan Pharmaceutical Association. Requirements for licensure in other provinces are similar, but may also include additional practical experience and/or successful completion of a jurisprudence examination.

PHARMACY EXAMINING BOARD OF CANADA

Graduates of this university having the degree of Bachelor of Science in Pharmacy may apply to write the Qualifying Examinations of the Pharmacy Examining Board of Canada. Passing of the examinations set by the Pharmacy Examining Board will satisfy the academic requirement of the other provincial pharmacy licensing bodies which participate in the P.E.B.C.

ADMISSION REQUIREMENTS

Applicants planning to enter Pharmacy should have an interest in health and be committed to helping those who are suffering from illness. Developing skills in critical thinking, reading and writing, and communicating with patients and other health practitioners is an important part of pharmacy education. The ability to be precise and careful with details is also essential.

For admission to the B.S.P. program in the College of Pharmacy and Nutrition, an applicant must have

successfully completed, with a minimum weighted average of 70%, 30 credit units in the College of Arts and Science at the University of Saskatchewan or its equivalent on or before April 30 in the year in which they wish to be considered for admission. The 30 credit units should include the following courses or their equivalents:

- (1) BIOL 110.6
- (2) CHEM 112.3
- (3) CHEM 250.3
- (4) ENG 110.6 (or 2 of ENG 111.3, 112.3, 113.3, 114.3), or LIT 100.6 or FR 121.3 (or 122.3) and 125.3
- (5) Electives (12 credit units of courses in humanities, social sciences or fine arts of which 6 credit units must be one of Psychology 110.6, Sociology 110.6, Philosophy 110.6 [or PHIL 120.3 and 133.3], or NATST 110.6).

Students may be admitted with a deficiency in six credit units of elective courses if courses from the first year of Pharmacy have been completed, e.g. NUTR 120.3, Biochemistry 200.3. Any deficiency must be made up prior to entry into the second year of the Pharmacy program.

In order to enrol in the Arts and Science courses of the pre-Pharmacy year, the student must have senior matriculation standing in English A30 and English B30 (or, beginning in 2000, for applicants who complete the Fransaskois or French Immersion programs, English A30 and one other 30-level language arts subject), Biology 30, Chemistry 30, Mathematics B30 and C30 (or, under the old mathematics curriculum, Algebra 30 and Geometry-Trigonometry 30).

Application forms for 2004-2005 will be available from the Office of the Dean of Pharmacy and Nutrition (www.usask.ca/pharmacy-nutrition) after October 15, 2003. The deadline for applications is February 1, 2004.

Please note that admission will be based on post-secondary academic record (60% of the admission score), critical skills essay (30%) and personal profile (10%). Detailed information regarding these criteria and the admission process is available from the College of Pharmacy and Nutrition.

Transfer Credits

Students with transfer credits will be considered for admission to the B.S.P. program if, during their previous program, they have credit for courses required in the pre-pharmacy year.

Students who have previously been enrolled in the College of Pharmacy and Nutrition, and are returning to complete degree requirements, must apply for re-admission and also contact the Office of the Dean to establish a program.

Admission Of Aboriginal Applicants (Saskatchewan Residents Only)

Two first-year spaces are reserved for persons of Aboriginal descent. Applicants will be required to complete the courses of the pre-pharmacy year and obtain a cumulative average of at least 70% or higher on University courses completed. Applicants of Aboriginal descent will compete within this category, not against the entire applicant pool. Applicants should identify themselves on the application for admission if they wish to be considered in this admission category.

BACHELOR OF SCIENCE IN PHARMACY

The revised B.S.P. program was implemented in September 2000. Students returning to the program following a year or more's absence from the program must contact the Office of the Dean to establish a program.

B.S.P. Program

Year 1

CHEM 255.3; BIOCH 200.3; BIOCH 211.3; HSC 208.6; PHARM 200.1; PHARM 201.5; PHARM 203.5; PHARM 216.2; PHARM. 280.2; NUTR 120.3; MATH 115.3

Year 2

MICRO 224.3; PATH 205.3; PHCOL 350.6; PHARM 300.1; PHARM 303.4; PHARM 307.2; PHARM 365.5; PHARM 372.2; PHARM 380.4; STATS 246.3; Elective (3 credit units)

Year 3

PHARM 400.1; PHARM 408.3; PHARM 409.3; PHARM 417.4; PHARM 418.2; PHARM 455.7; PHARM 456.7; PHARM 465.2; PHARM 472.2; PHARM 480.4

Year 4

PHARM 500.1; PHARM 518.2; PHARM 557.6; PHARM 565.2; PHARM 580.16; Electives (6 credit units of PHARM)

First Aid and CPR Certificates

Students must complete an extramural course in first aid and cardiopulmonary resuscitation during the Pharmacy program. At the time of graduation, each student must hold a valid Class A First Aid Certificate, and must have been certified for CPR (Level C) by the Heart Foundation within the 12 months prior to graduation. Courses in First Aid and CPR will be made available to students during the fourth year of their pharmacy program. Students may take these courses in the summer if certified courses are available to them. A student who already holds a valid certificate for either of these programs must present the certificate so a copy can be placed in their student record.

Public Speaking Certificate

Students must complete an extramural course in public speaking during their Pharmacy program. A "Speechcraft" course (arranged through the Saskatoon Toastmasters' Clubs) will be made available to students during their second year of the Pharmacy program. A student who holds a valid certificate indicating training in public speaking must present the certificate and appropriate course information for consideration and entry into the student record.

DEAN'S HONOUR ROLL

To be included on the Dean's Honour Roll, a student must have a sessional weighted average of 80% or greater and must have completed a minimum of 30 credit units in the Regular Session.

DEGREE WITH DISTINCTION

Students whose cumulative weighted averages are higher than 1.25 standard deviations above the mean of the average of their class and who also obtain minimum cumulative weighted averages of 80.00% will receive the degree with Great Distinction. Students whose cumulative weighted averages are between .50 and 1.25 standard deviations above the mean of the average for their class and who also obtain minimum cumulative weighted averages of 75% will receive the degree with Distinction. Students' averages are calculated from the grades obtained on all courses taken to complete degree requirements, including failures.

GENERAL INFORMATION

Saskatchewan Pharmacy

An Act passed in 1892 established the North West Territories Pharmaceutical Association as a legal and professional body. This act included the governing of Pharmacy in the territory now defined as Saskatchewan.

The Province of Saskatchewan was formed in 1905; however, pharmacy in Saskatchewan continued to be administered under the Act of the North West Territories Pharmaceutical Association until 1911 when the Saskatchewan Pharmaceutical Association was formed.

The Canadian Pharmaceutical Association was formed in 1907 to deal with all aspects of Pharmacy on a national level.

In 1913 the School of Pharmacy, University of Saskatchewan, was organized under the directorship of Alexander Campbell. In 1921 the School became the College of Pharmacy and in 1946 the minimum educational requirement to be registered as a pharmacist in Saskatchewan was set at four years at the university, and graduation with the degree of Bachelor of Science in Pharmacy.

In 1987, the Bachelor of Science in Pharmacy program was revised and one year of university training is now required prior to admission to the four-year Pharmacy program.

In 1994, the name of the college was changed to the College of Pharmacy and Nutrition.

Standards of Academic Performance

Candidates for a degree are required to obtain an annual weighted average of 60%, and have no more than two failures in the Regular Session in each year or the student will be required to discontinue the program in Pharmacy. Students who do not meet the requirements in their graduating year will be dealt with on an individual basis. The annual weighted average is based on courses taken during the regular session (September - April) and Spring and Summer Session immediately prior to this. Credit units indicate the relative academic weight of each course and are used to calculate the weighted average.

The following regulations should also be noted for the B.S.P. program:

- All admission deficiencies must be removed before a student will be allowed to register in the second year.
- A student in the first year of the program may not take second-year compulsory courses.
- A student, who chooses to split the first, second or third year of the program, must consult with the Office of the Dean to determine a suitable split of courses. Students cannot split the fourth year of the program.
- A student must have completed all required courses of the third year of the program prior to registration in fourth year.
- Students may not, at any time, register in courses with a timetable conflict.
- A student wishing to graduate must complete the courses for the degree within a seven year period after first registration in the program. In exceptional circumstances permission may be granted to continue study beyond the seven year limit. The student must meet the degree requirements in place when the extension is granted.
- A student may be required to withdraw from the program in Pharmacy for reasons other than academic ones.
- Any application from a prospective student who has been *Required to Discontinue* more than once will not be approved except in extreme circumstances.

- Students required to discontinue are permitted to apply for admission to another program or as an unclassified student at this university or any other accredited post-secondary institution, for study during the year that the faculty action is in place (called the period of rustication), except when the faculty action is a matter of academic or non-academic discipline. Such applications are considered on a case by case basis by the program to which the student is applying. Students who are required to discontinue and have served the period of rustication without taking any credit courses from this or any other accredited post-secondary institution will be readmitted to the program, on application, provided that there is space in the year to which they are applying to return. Students who are required to discontinue, but who have taken classes here or elsewhere during the period of rustication, will be readmitted, on application, provided that their average in the classes taken meets the promotion standard for the college and provided that there is space in the year to which they are applying to return. Students who take courses during the period of rustication and are readmitted will be given credit, according to college policies, for these courses toward their program.
- A more complete description of academic requirements, including promotion and failures, is available in the Office of the Dean of Pharmacy and Nutrition. Students should also be familiar with the University Council Regulations on Examinations (www.usask.ca/calendar/exams&grades/) found in the Examinations & Grading section of the *Calendar*.

For information on *College Regulations on Examinations*, students are referred to the college office.

Regulations on student appeals and academic dishonesty are on the web at www.usask.ca/university_council/reports.shtml.

Scholarships And Awards

Scholarships and prizes which are open only to students in the B.S.P. program are listed below:

Aventis Pharma Inc. Book Award in Law and Ethics	\$100
C.Ph.A./Apotex-P.A.C.E. Future Leader Award	\$1,000
P.A.C.E./Apotex Bursaries (two),	each \$750
Elaine Atkinson Memorial Bursary	\$250
Rose Baru Prize (for dispensing)	\$80
Ross Blackburn Tribute to Family Award	\$1,000
Boehringer Ingelheim (Canada) Ltd. Pharmacy Award	\$500
Bristol-Myers Squibb Pharmacy Award	\$500
Orest Buchko Hospital Pharmacy Award	\$500
Campbell Prize (second most distinguished graduating student)	\$150
Class of '56 Memorial Scholarship	\$500
Class of '59 Pharmacy Award	\$400
Ronald Currie Award	
Mark C. Falloon Book Prize (book)	\$500
Robert A. (Bob) Forrest/Glaxo Book Award	\$500
Charles E. Frosst Medal and Scholarship (student entering final year)	\$1,000
George A. Hamilton Scholarship	\$1,115
Dorothy E. Homstol Memorial Scholarship	\$650
Chandra Khandelwal Memorial Scholarship	\$500
Don Klatt Memorial Prize	\$250
James A. Lackey Bursary	\$550
Eli Lilly Book Award (book)	\$200
Dean W. C. MacAulay Memorial Bursaries (nine) ....each	\$400
Doreen Machula Memorial Award	\$250
Robert Martin Prize (most distinguished graduating student).....	\$250
Merck, Sharp & Dohme Scholarship (books)	\$1,000
Della Morgan Bursary in Pharmacy	\$1,300
Medis Health and Pharmaceutical Services Scholarship (3rd year).....	\$600
Novopharm Awards (two)	each \$500
Pereverzoff Prize (4th year)	\$750
Pernarowski Scholarship	\$200
Pfizer Award	\$500
Pharmacy Students' Society Awards (presented by the Society) (six)	each \$40
Ross Pinder Commitment to Community Award	\$2,500

Plainsmen Bursary (for a worthy student in financial need)	\$750
Saskatchewan Pharmaceutical Association Bursary (two)	Each \$400
Saskatchewan Pharmaceutical Association Gold Medal (most distinguished graduating student)	\$400
Saskatoon Pharmacists' Society Entrance Scholarship Shoppers Drug Mart Community Pharmacy Scholarships (two)	Each \$500
Ben Shore Scholarship	\$150
Percy Shore Memorial Scholarship	\$75
University Undergraduate Scholarships	\$1,000
Sylvia Wallace Memorial Scholarship	\$1,000
Dean E. L. Woods Memorial Bursary	\$400
Wyeth Award of Excellence	\$200
Donald Zuck Family Bursary(ies) in Pharmacy	\$1,100

The following are open only to graduate students in Pharmacy:

F. J. Fear Scholarship	\$175
Hoescht-Roussel Canada Inc. Graduate Award	\$1,500
Parke-Davis Canada Centennial Pharmacy Research Fellowship	\$5,000
Alf Pepper Research Award	\$400

For scholarships open to all University students, including students of the College of Pharmacy and Nutrition, see the *Awards Guides* (www.usask.ca/students/scholarships) available online.

The Saskatchewan Pharmacy & Nutrition Students' Society

The Saskatchewan Pharmacy and Nutrition Students' Society (SPNSS) works to enhance knowledge of the professions related to nutrition and pharmacy and to foster good relations among their members and with other student organizations, the University and the community. They organize a variety of academic, professional, social and athletic events and activities.

Fees, Payment Of Fees, Cancellations & Refunds, & Course Changes

See the General Information section of the *Calendar*.

In the College of Pharmacy and Nutrition, the dates by which courses may be dropped without academic penalty are as follows:

- First-Term Courses – November 15
- Second-Term Courses – March 15
- Two-Term Courses – February 15

Grading

See the General Information section of the *Calendar* for a full explanation of the grading system and the literal descriptors associated with percentage grades.

COURSES

Courses required for the Bachelor of Science in Pharmacy (B.S.P.) program are listed in the Course Descriptions section under the following subject headings:

- Biochemistry (BIOCH)
- Chemistry (CHEM)
- Mathematics (MATH)
- Microbiology (MICRO)
- Nutrition (NUTR)
- Pathology (PATH)
- Pharmacology (PHCOL)
- Pharmacy (PHARM)
- Physiology (HSC)
- Statistics (STATS)

NUTRITION

NUTRITION UNDERGRADUATE DEGREE PROGRAM

The revised B.Sc.(Nutrition) program involves a unique new structure and a new partnership with the Regina Qu'Appelle Health District, Saskatoon Health District and other health districts and Tribal Councils in the province. Previously, University of Saskatchewan students interested in becoming dietitians completed the four-year degree in Nutrition and then competed in a national competition to obtain a one-year dietetic internship. Students now take a pre-Nutrition year and then apply to the revised four-year program. **All of the required professional experiences are included within the nutrition degree**, and all graduates, on successful completion of a national exam, qualify for professional dietetics registration. The program is accredited by Dietitians of Canada (DC), the national association for dietitians and nutritionists, and meets DC education guidelines.

The professional experiences are provided primarily through the Professional Practice courses (NUTR 230.3, 330.3, 430.3 and 530.33. NUTR 530.33 (fourth year of the program) is a 36-week* practice-based experience (Internship) and students have their home base with the Regina Health District or Saskatoon District Health.

*This 36 week period includes a two-week break half-way through the practice-based experience.

REQUIREMENTS FOR THE DIETETICS PROFESSION

Qualification for registration as a professional dietitian includes the following components: a Bachelor's degree in Nutrition or related area and specific undergraduate courses, professional experiences and a national examination. For students at the University of Saskatchewan the professional experiences are included within the degree.

On successful completion of the national examination, graduates are eligible for professional registration through their provincial dietetics regulatory body, for membership in the national association (Dietitians of Canada) and for positions as professional dietitians.

SECOND DEGREES

Students who wish to combine a program in Arts and Science with Nutrition will usually conform to the requirements of Program Types A, B, C or D in choosing the necessary minimum additional 30 credit units in Arts and Science for the Three-year degree or minimum additional 60 credit units for the Four-year or Honours degree.

SASKATCHEWAN COMMUNITY NUTRITION RESIDENCY

The Division, together with Saskatoon Health District, Regina Qu'Appelle Health District, Sun Country Health Region, Five Hills Health Region, Cypress Health Region, Sunrise Health Region, Heartland Health Region, Kelsey Trail Health Region, Prince Albert Parkland Region, Prince Albert Parkland Health Region, Prairie North Health Region and Mamawetan Churchill River Health Region, sponsor the Saskatchewan Community Nutrition Residency. This program provides advanced training in community nutrition to dietitians or individuals seeking professional dietetics qualifications through the graduate degree route.

GRADUATE STUDY IN NUTRITION

Applicants holding a recognized four-year Bachelor of Science in Nutrition or related degree, and who have obtained sufficiently high academic standing, may apply to the College of Graduate Studies and Research to pursue the degree of Master of Science in Nutrition. Current research in nutrition involves studies in clinical and community nutrition, nutritional biochemistry, dietary assessment, body composition and food biotechnology. A Ph.D. degree is offered on a special case basis. Please see Nutrition, College of Graduate Studies and Research section of the *Calendar*.

ADMISSION REQUIREMENTS

Applicants planning to enter the Nutrition program should have an interest in health care and in people, as well as an aptitude in the natural sciences. Communication and organizational skills, analytical ability, empathy, accuracy, ability to motivate and work with others are important attributes that will be developed in the nutrition program.

Applicants wishing to enter the Nutrition program require one year (30 credit units) of pre-nutrition studies. These studies may be undertaken in the College of Arts and Science by students who meet the admission requirements for the College of Arts and Science. To complete the courses required in the pre-nutrition year, applicants will normally need to have credit for the following high school subjects: English A30 and English B30 (or Fransaskois A30 or B30 or French Immersion in place of one English), Biology 30, Chemistry 30, Mathematics B30 and C30 and one approved 30-level subject.

The pre-nutrition year consists of the following university courses or their equivalents from other institutions:

- (1) BIOL 110.6
- (2) CHEM 112.3
- (3) CHEM 250.3
- (4) ENG 110.6 (or two of ENG 111.3, 112.3, 113.3, 114.3) or LIT 100.6 or FR 121.3 (or 122.3) and 125.3
- (5) PSY 110.6 or SOC 110.6
- (6) Electives (6 credit units unrestricted) NUTR 120.3 may be taken in the pre-nutrition year in place of a 3 credit unit elective, and the 3 credit unit elective can then be scheduled in year 1 of the Nutrition program.

Applicants can be deficient in one of the preceding classes except for BIOL 110 or CHEM 112. This deficiency must be cleared in the first year of the program. In order to be considered for admission for 2003-2004, applicants must have completed a minimum of 24 credit units by April 30, 2003 and a total of 30 credit units by September 1, 2003.

Students may take courses toward the pre-nutrition year at The University of Regina. For details, please consult Admission to Professional Programs from The University of Regina, in the General Application forms for 2004-2005 are available from the College of Pharmacy and Nutrition after October 15, 2003. Please note that the application deadline for 2004-2005 is February 1, 2004. A total of 25 applicants are admitted to first year. Saskatchewan residents and children or spouses of University of Saskatchewan graduates are given priority in consideration for admission for 19 of the spaces, and there are 4 spaces for non-residents (out-of-province or international applicants) and 2 spaces for applicants of Aboriginal ancestry. If the latter two spaces are not filled, they will be filled by the next most-qualified applicants (resident or non-resident).

Admission is based on post-secondary record (60% of admission score), critical skills essay (30%) and personal

profile (10%). Detailed information regarding these criteria and the admission process is available from the College of Pharmacy and Nutrition.

Admission of Aboriginal Applicants

Two first year spaces are reserved for persons of Aboriginal ancestry. They will compete within this category, not against the entire applicant pool. Applicants should identify themselves on the application for admission. For details, consult Admission of Aboriginal Applicants, in the General Information section of the *Calendar*.

BACHELOR OF SCIENCE IN NUTRITION PROGRAM

Program Requirements

Year 1

AP MC 212.3; BIOCH 200.3, 211.3; HSC 208.6; NUTR 120.3, 216.3, 220.3, 230.3; Electives (6 credit units unrestricted).

Year 2

COMM 101.3 or 102.3; FD SC 345.3; NUTR 300.3, 305.3, 322.3, 330.3, 350.3, 365.3; PL SC 314.3; Electives (6 credit units unrestricted).

Year 3

COMM 201.3; FD SC 323.3; NUTR 420.3, 425.3, 430.3, 440.6, 450.3, 466.3; Electives (6 credit units unrestricted).

Year 4

NUTR 530.3

FOODSAFE CERTIFICATES

Students are required to complete FoodSafe Level I and II during their program. FoodSafe Level I is an eight hour, nationally recognized training program for food handlers, and is taken in conjunction with NUTR 216. FoodSafe Level II is an eleven hour program, designed for food service managers, and is taken in conjunction with NUTR 365. Students who already hold FoodSafe Level I or equivalent (e.g., National Sanitation Training Program Certificate) and Level II certificates are not required to repeat the programs, provided that they have been taken within the last three years, but must present the certificates for consideration and entry into the student record.

PUBLIC SPEAKING CERTIFICATE

Students are required to complete an extramural course in public speaking during their program. A "Speechcraft" course (arranged through the Saskatoon Toastmasters Clubs) will be made available to students during the Nutrition program. A student who holds a valid certificate indicating training in public speaking may present the certificate and appropriate course information for consideration in lieu of Speechcraft, and entry into the student record.

DEAN'S HONOUR ROLL

To be included on the Dean's Honour Roll, students must have a sessional weighted average of 80% or greater and must have completed a minimum of 30 credit units in the Regular Session.

DEGREE WITH DISTINCTION

Students whose cumulative weighted averages are 1.25 or more standard deviations above the mean of the average of their class and who also obtain minimum cumulative weighted averages of 80.00% or greater will receive the degree with Great Distinction. Students whose cumulative weighted averages are between .50 and 1.25 standard deviations above the mean of the average for their class and who also obtain minimum cumulative weighted averages of 75.00% or greater will receive the degree with Distinction. Students' averages are calculated from the grades obtained on all courses taken to complete degree requirements, including failures.

GENERAL INFORMATION

Division of Nutrition & Dietetics

The Division of Nutrition and Dietetics was established in 1987. Prior to this, programs in nutrition and dietetics were offered through the College of Home Economics. A direct-entry B.Sc. (Nutrition) program was offered from 1987-1998. For information on the program during this period, please see the respective *Calendar* issue. A revised B.Sc. (Nutrition) program was implemented in September, 1998.

Career Opportunitites

Career opportunities include positions with health care organizations such as hospitals (clinical and administrative dietetics and outpatient clinics), public health services and home care, Tribal Councils, medical clinics and community health centres, food, food service, and pharmaceutical industries, food marketing boards, fitness/wellness centres, private practice and consulting, research, media and consumer services. Advanced studies lead to university faculty positions and work with international health agencies.

Registration, Fees, Payment Of Fees, Cancellation And Refunds, And Course Changes

See the General Information section of the *Calendar*, in particular the dates by which courses may be dropped without academic penalty.

Grading

See the General Information section of the *Calendar* for a full explanation of the grading system and the literal descriptors associated with percentage grades.

Standards Of Academic Performance

Candidates for the degree are required to obtain an annual weighted average of 60%, and CR (Completed Requirements) for the professional practice courses, and have no more than two failures in the Regular Session, or the student will be required to discontinue the

program in Nutrition. Students who do not meet the requirements in their graduating year will be considered on an individual basis. The annual weighted average is based on courses taken during the Regular Session (September-April) and the Spring and Summer Session immediately prior to this. Credit units indicate the relative academic weight of each course and are used to calculate the weighted average. Records of part-time students will be evaluated at 18 credit-unit intervals. Application from students who have been "Required to Discontinue" more than once will not be approved except in extreme circumstances. Students may be required to withdraw from the program for reasons other than academic.

Students required to discontinue are permitted to apply for admission to another program or as an unclassified student at this university or any other accredited post-secondary institution, for study during the year that the faculty action is in place (called the period of rustication), except when the faculty action is a matter of academic or non-academic discipline. Such applications are considered on a case by case basis by the program to which the student is applying.

Students who are required to discontinue and have served the period of rustication without taking any credit courses from this or any other accredited post-secondary institution will be readmitted to the program, on application, provided that there is space in the year to which they are applying to return. Students who are required to discontinue, but who have taken classes here or elsewhere during the period of rustication, will be readmitted, on application, provided that their average in the classes taken meets the promotion standard for the college and provided that there is space in the year to which they are applying to return. Students who take courses during the period of rustication and are readmitted will be given credit, according to college policies, for these courses toward their program.

A complete description of academic requirements including promotion and failures, and additional regulations, is available in the Office of the Dean of Pharmacy and Nutrition and in the college undergraduate Student Handbook. The University Council Regulations on Examinations (www.usask.ca/calendar) is in the Examinations & Grading section of the *Calendar* and on the web at www.usask.ca/registrar. Regulations on student rights, discipline and appeals are available from the University Secretary's office, the Dean's Office or on the web at www.usask.ca/university_council.shtml.

Additional Regulations

Students may not, at any time, register in courses with a timetable conflict. Students wishing to graduate must complete the courses for the degree within a seven year period after first registration in the program. In exceptional circumstances permission may be granted to

continue study beyond the seven year limit. Students must meet the degree requirements in place when the extension is granted.

The college will try to accommodate student requests for part-time studies/leaves from the program, however, this will depend on space being available in the professional practice courses. Regulations regarding removing deficiencies and residency requirements (i.e. total minimum number of courses required while registered in the program) are under review.

The Saskatchewan Pharmacy And Nutrition Students' Society

The Saskatchewan Pharmacy and Nutrition Students' Society (SPNSS) works to enhance knowledge of the professions of dietetics/nutrition, pharmacy and related areas and to foster good relations among their members and with other student organizations, the university and the community. The Society organizes a variety of professional, social and athletic events and activities.

Scholarships and Awards

For details on the following awards and other awards open to all University students, including students in the College of Pharmacy and Nutrition, see the *Awards Guides* (www.usask.ca/students/scholarships) available online.

Association of Saskatchewan	
Home Economists Regina Branch Bursary	.....\$1,000
Theodora Bryce Book Prize (Nutrition and Dietetics)	
Dr. Helen E. Clark Bursary in Nutrition	.....\$500
Dairy Farmers of Canada Award	.....\$700
Adelaide Dodds Bursary	.....\$1,300
Ruth Gerrand Prize	.....\$300
Douglas L. Gibson Award	.....\$100
Hannon Scholarships:	
Undergraduate	..... \$3,000
Travel	.....\$5,500
Agnes Kurtz Book Prize	
John Fullerton Middlemiss Scholarship	.....\$1000
Ariel Milne Scholarship	.....\$100
Rutter Medal	
Saskatchewan Dietetic Association Scholarships	.....\$250
Sign of the Times Lifestyle Bursary	.....\$500
Euphie Thomson Book Prize	
University Undergraduate Scholarships	..... \$1,000

COURSES

Courses required for the B.Sc. in Nutrition program are listed in the Course Descriptions section of the *Calendar* under the following subject headings:

- Applied Microbiology (AP MC)
- Biochemistry (BIOCH)
- Commerce (COMM)
- Food Science (FD SC)
- Nutrition (NUTR)
- Physiology (H SC)
- Plant Science (PL SC)