

Faculty of Medicine and Oral Health Sciences

100 Members of the Faculty

Note: An asterisk (*) by the name indicates a secondary appointment within the Faculty. (This is not used for Deans and Directors.)

100.1 Office of the Dean

Dean DLJ Tyrrell	
Associate Deans P Davis G Goldsand PA Gordon	GW Raborn AH Walji JH Weiner
Assistant Deans CI Cheeseman PM Crockford	WA McBlain BR Stevenson
Faculty Service Officer DM Gupta	
Administrative Officers P Stack	DM Whidden

Professors RC Bleackley DN Brindley *CE Cass RS Hodges MNG James RN McElhanev M Michalak	*RA Rachubinski RO Ryan P Scott BD Sykes *DLJ Tyrrell DE Vance JH Weiner
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Associate Professors *L Fliegel *R Godbout CFB Holmes BD Lemire *CD Rasmussen	*RJ Read SA Rice SM Rosenberg CA Spencer JC Stone
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Assistant Professors LB Agellon *L Berthiaume	JNM Glover MC Schultz
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Professors Emeriti WA Bridger JS Colter CM Kay	NB Madsen AR Morgan LB Smillie
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Faculty Service Officer WT Wolodko	
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Administrative Officer GM Redmond	
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100.2 Departments of the Faculty

100.2.1 Anaesthesia

Chair and Professor BT Finucane	
Professor *AS Clanachan	
Associate Professor BA Finegan	
Assistant Professor RA Kearney	
Clinical Professor RC Gregg	
Associate Clinical Professors HL Carle MXM Coughlan LM Entwistle SM Ferreira	LR Hatch LJ Huston RG Johnston BE Marchak
Assistant Clinical Professors RG Bergstrom BJ Bucyk JG Cormack DJ Cubitt DR Gamez CR Guenther AS Guest IA Hopkins LY Huang V Jensen JT Lilley BA Lyder TA Mayson JD McFarland DA Mercereau	K Munn WJ Murtha SG Nadeau CJ Noble SA Olson YM Patel GA Perez BZ Petriw H Reine SL Scott RF Seal JD St Clair RJ Taggesell C Tang DH Wiebe
Clinical Lecturers LB Baron MH Bercovich K Cernohorsky PG Cisar BPV Delbecq JM Dupuis JF Farley A Gidwaney SN Gupta DA Hardy R Hougen DT Jolly	B Knight JP Koller AI MacDonald M Martin K Martindale JA Moir SJF O'Callaghan-Enright SJ Reid ZS Saleh OJ Schneider PD Wild
Professors Emeriti DF Cameron	JWR McIntyre

100.2.3 Biomedical Engineering

Chair and Professor PS Allen	
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Professors BJ Andrews DJ Griffiths ZJ Koles	*RV Rajotte RE Snyder *FX Witkowski
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Assistant Professor A Kostov	
--	--

Professors Emeriti D Fenna	TR Overton
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Adjunct Professors *RH Hooper *SA Jackson	JF Wolfaardt
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100.2.4 Cell Biology and Anatomy

Chair and Professor RA Rachubinski	
--	--

Professors KM Bagnall DA Begg	GR Buzzell RB Campenot
--	---------------------------

Associate Professors *WJ Gallin TL Krukoff P Melançon M Pasdar	*CD Rasmussen DN Singh BR Stevenson AH Walji
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Assistant Professors J Aitchison L Berthiaume T Hobman	*D Pilgrim E Shibuya R Wozniak
--	--------------------------------------

Professors Emeriti TS Leeson K McFadden	RS Smith HIA Zaw-Tun
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100.2.5 Family Medicine

Chair and Professor DG Moores	
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Professor *P Jacobs	
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Associate Professors NR Bell FR Brenneis R Brownoff RG Chaytors	MG Donoff EH Krikke GR Spooner J Triscott
--	--

Assistant Professors AJ Cave M Cave *RL Fainsinger *NL Gibson S Hughes	PJ Klemka DS Mackey S Murji J O'Hara I Steiner
--	--

100.2.2 Biochemistry

Chair and Professor VH Paetkau	
--	--

Associate Clinical Professors

KJ Gardener
H Hays

Assistant Clinical Professors

WD Armstrong
SK Aug
AE Ausford
*HA Borkent
*M Boulanger
DE Brox
PA Caffaro
SW Chambers
*MA Cherniwchan
WE Clelland
*GE Cummings
JG Gokiert
*MS Gross
HR Hindle
TD Kolotylyuk
DJ Konkin
SE Low
JT Morrissey
*C Neal

Clinical Lecturers

*BL Abel
DM Andriashek
FW Armstrong
JB Armstrong
MD Armstrong
MA Atrons-Sharko
H Bablitz
AL Bailey
T Bakshi
BH Banmann
DJ Barer
DL Belcher
JE Bell
GR Blais
MM Bodmer
DW Boettger
DW Bond
A Borkent
MA Bowland
BW Boyko
TB Bray
*JJ Brown
RG Brown
WM Brown
MJ Caffaro
DB Cave
AYL Chiu
JF Chiu
JE Clarke
IE Colliton
TN Compagna
DJ Cook
JE Craig
RF Crowe
R Cunningham
AC Dacunha
*JMB Davidson
BC Deane
SJ DeWitt
DA Duffy
LD Dujon
RH Dunbar
P Edgar
LR Edwards
*CGM Evans
SD Flanagan
TF Flanagan
N Flook
P Friese
K Ghali
SC Ghitler-Mannes
JM Gode
INM Gray
*GAJ Groot
JJ Hankinson
K Hay
BC Hayden
TL Heisler
JN Hnatiuk
DJ Hryciuk
JR Hunter
ME Hurlburt
GW Jakeway
AJ Jarema
CG Johnston
RB Kaasa
S Kanai
NK Karia

Professors Emeriti

RR Cherry

Faculty Service Officer

O Szafran

CJ Lord
*DL Shragge

EW Papp
*WR Patton
*DC Perry
TF Ranieri
M Reedyk
JG Reilly
JM Robinson
WE Schneider
EP Schuster
CE Sharek
MR Smith
*TD Sosnowski
RM Stepanko
*JC Taylor
JR Tilley
*AF Walker
BRB Whittaker
HA Zirk

MC Kash
PE Keith
*SK Kelcher
DA Kent
DG Killick
DW Korzenowski
RT Kruhlak
GA Lamoureux
R Laughlin
DN Leung
MR Lidkea
MJ Long
CC Lopaschuk
KAH Lundgard
K Mangán
PA Warner
RA Martin
GG Mazurek
T McKeown
DP Miller
JA Mohler
NJ Morison
MG Moss
JD Murphy
*AR Murray
DL Myhre
ED Ndovi
KD Neilson
AE Nett
RA Nishikawa
*D Nixon
KP O'Callaghan
BL Oldale
P Palma
P Paludet
DJ Paras
J Parmar
GL Phillips
MP Poitras
AJD Pope
*SA Poplawski
*RA Purser
MW Quinlan
GL Ramsay
DA Reid
DJ Rempel
WJ Reynolds
BD Ritchie
JD Ritchie
RB Robinson
JC Routledge
PJA Ruitter
HK Sachs
JJ Saunders
GD Scheirer
HS Sidhu
*TP Stetsko
*DF Stewart
AW Ushko
BD Ward
DA Webb
RJ Wedel
DDS Welch
ML Wickland-Weller
HP Woytiuk
AK Yeung
P Yoon
MJ Young
GL Higgins

100.2.6 Laboratory Medicine and Pathology

Chair and Professor

PA Gordon

Professors

LH Honore
LD Jewell
CC Lin
LE McGann

Associate Professors

RW Coupland
HAA Idikio
ES Johnson

Assistant Professors

FJ Bamforth
L Boshkov

Lecturer

GR Jones

Clinical Professors

TA Kasper

Associate Clinical Professors

JM Danyluk
DTP Dawson
AJ Derbawka
GP Dowling
WS Etches

Assistant Clinical Professors

RJ Audette
RC Berendt
G Blakney
LN Denmark
J Hannon
TE Higa
RG Hodgkinson
GH Johnson

Clinical Lecturers

B Bannoch
RG Lane

Professors Emeriti

GO Bain
BW Mielke

Honorary Associate Professor

WT McGaw

Administrative Officer

JA Marken

Adjunct Professor

A Malcolm

100.2.6.1 Medical Laboratory Science

Director and Professor

RA Stinson

Assistant Professor

PL Letendre

Lecturers

S Chamberlin
M Fraser
BA Ohashi

Sessional Instructors

T Chelick
I Fenger-Anderson
R Lane

Administrative Officer

JL McPhee

100.2.7 Medical Genetics

Chair and Professor

DW Cox

Professors

*CC Lin

Associate Professors

*SJG Bamforth
*D Gilchrist
*P Ferreira

Assistant Professors

*J Bamforth
*H McDermid

100.2.8 Medical Microbiology and Immunology

Chair and Professor

JR Smiley

Professors

*D Befus
*EA Fanning

T Mosmann
*LM Pilarski

*G Goldsand
LJ Guilbert
*PF Halloran
RT Irvin
*RPB Larke

Associate Professors

GD Armstrong
*M Belosevic
L-J Chang
JF Elliott
*SC Houston
K Kowalewska-Grochowska
DY Kunimoto

Assistant Professors

*AM Joffe
K Kane
*B Malcolm

Clinical Professor

SI Hnatko

Associate Clinical Professor

*B Romanowski

Assistant Clinical Professors

E Blondel-Hill
*L Boychuk

Professors Emeriti

JW Carmichael
E Diener
JMS Dixon
FL Jackson

Faculty Service Officers

R Sherburne

Administrative Officer

M Wohllebe

Adjunct Professors

DR Bundle
L Chui
N Dovichi
MC Finlayson

*A Rabinowitch
JA Robertson
DE Taylor
DLJ Tyrrell
*JH Weiner

L Sigler
*L Miedzinski
MS Pepler
*JK Preiksaitis
RJ Read
*SD Shafran
*GD Taylor

HL Ostergaard
*J Robinson
*W Vaudry

*I Chiu
JC Galbraith

BM Longenecker
RGF Marusyk
OEZ Morgante
RLS Whitehouse

KK-Y Yu

MJ Robins
B Singh
GW Stemke

Professors

*JJ Akabutu
*AR Belch
*ED Bruera

Associate Professors

*ALA Fields
A Janowska-Wieczorek
LM Larratt

Assistant Professors

*L Boshkov
*RL Fainsinger
*CP Jenkins
*MC Palmer

Clinical Professors

*PA Gordon

Assistant Clinical Professor

*JL Hannon

Professor Emeritus

*RN MacDonald

100.2.9.3 Dermatology and Cutaneous Sciences

Acting Director and Associate Clinical Professor

A Krol

Associate Professor

AN Lin

Assistant Professor

TG Salopek

Clinical Professors

J Brown
EH Schloss

Associate Clinical Professors

DW Groot
NA Jampolsky

Assistant Clinical Professors

VJ Kulak
GT Lauzon
BAS Lycka

Clinical Lecturer

GE Searles

Adjunct Professors

T Enta
K Jimbow

100.2.9.4 Endocrinology and Metabolism

Director and Professor

J Ginsberg

Professors

PM Crockford
*DC Cumming
*S Harvey
*SE Jacobs
A Rabinovitch

Associate Professors

CLY Chik
*WA McBlain

Assistant Professors

GA Francis

Clinical Lecturer

MS Akman

Professors Emeriti

GD Brown
RN Eidem

Adjunct Professors

*DJ Pehowich

100.2.9.4 Gastroenterology

Director and Professor

RN Fedorak

Professors

*MT Clandinin

Associate Professors

VG Bain
*MI McBurney

Assistant Professors

*CJ Field
M Ma

Clinical Professors

RJ Bailey
RW Sherbaniuk

Associate Clinical Professor

CM Switzer

Assistant Clinical Professors

RD Cherry
JP Ferguson
EAG Lalor

MJ Mant
*TA McPherson

*ARE Shaw
*PM Venner

DBC Ritchie
*AW Taube
*SM Watanabe

*JM Turc

OS Talpash

JY Liao

MB Rogers
DM Sawyer

*RV Rajotte
EA Ryan
*JZ Scott
J Vance
S Yokoyama

DW Morrish
EL Toth

RZ Lewanczuk

DM Fawcett
GD Molnar

S Yokoyama

ABR Thomson

BR Yacyshyn

DC Sadowski

RH Wensel

*MS Millan
DN Todoruk

100.2.9 Medicine

Chair and Professor

PW Armstrong

Associate Professor

*DL Saunders

Assistant Clinical Professor

*SK Aung

Administrative Officers

BK Esslinger
JC Morrison

Adjunct Professors

JWF Costerton
MGA Grace

100.2.9.1 Cardiology

Acting Director and Professor

DP Humen

Professors

*PW Armstrong
C Basualdo
M Haraphongse

Associate Professors

JR Burton
DP Humen
KM Kavanagh
D Manyari

Assistant Professors

V Dzavik
*MR Joffres

Clinical Professor

PV Greenwood

Associate Clinical Professors

SS Gulamhusein
WKK Hu
Z Lakhani

Assistant Clinical Professors

LA Kasza

Clinical Lecturers

*NS Brass
M Hoskinson

Professors Emeriti

RS Fraser

BI Jugdutt
FX Witkowski

DA Taylor
KK Teo
RT Tsuyuki
WJ Tymchak

*MJ Kantoch
SKM Kimbe

MPJ Senaratne
T Talibii

TG Muzyka

RG Williams

RE Rossall

100.2.9.2 Clinical Hematology and Medical Oncology

Director and Professor

AR Turner

100.2.9.6 General Internal Medicine

Director and Associate Professor

NE Brown

Professor

CH Harley

Associate Professors*AAC Yeung PG Hamilton
DM Gilchrist**Assistant Professors**BW Fisher N Kassam
*SC Houston *RZ Lewanczuk**Clinical Professors**WR Black CJ Varvis
*GF MacDonald S Weisz
WR St Clair JV Williams**Associate Clinical Professors**KC Bowering DW Irving
*WJ Dickout JT McCaffery
IA Ferguson PC Mendes
JM Goodhart**Assistant Clinical Professors**J Allan MG Nutting
*JS Archibald E Raff
A Cairns LN Takats
DA Campbell DJ Tusz
E Kretzul AJ Voth
MS Millan**Clinical Lecturers**A Bharmal LER Malowany
VR Chichak**Professors Emeriti**LM Anholt JF Elliott
JB Dossetor JAL Gilbert
AM Edwards JC Hopkyns
*RN Eidem

100.2.9.7 Geriatric Medicine

Director and Professor

PN McCracken

Associate Professor

JE McElhaney

Assistant Professors

RM Ikuta KE Lechelt

Assistant Clinical ProfessorsI Kiss *JA Triscott
AG Juby**Adjunct Professor**

AR Dobbs

100.2.9.8 Immunology and Nephrology

Director and Professor

PF Halloran

ProfessorsMK Dasgupta RA Ulan
CMF Kjellstrand DR Wilson
T Kovithavongs**Associate Professors**

KB Bettcher SM Cockfield

Assistant ProfessorsPM Campbell AG Murray
J Grynoch SD Soroka**Associate Clinical Professors**IA Ferguson *F Pazderka
MW Lee

100.2.9.9 Infectious Diseases

Director and Associate Professor

LJ Miedzinski

ProfessorsEA Fanning *CL Soskolne
G Goldsand *DLJ Tyrrell**Associate Professors**SC Houston SD Shafran
*DY Kunimoto GD Taylor
JK Preiksaitis**Assistant Professor**

*MA Joffe

Clinical Professor

B Romanowski

Associate Clinical Professor

JR Waters

Assistant Clinical ProfessorsE Blondel-Hill JCT Galbraith
LR Boychuk MW Mah
I Chiu

100.2.9.10 Neurology

Director and Professor

MH Brooke

Professors

WR Martin KG Warren

Associate ProfessorsMG Elleker JH Jhamandas
DS Fulton AMW Penn**Assistant Professor**

M Javidan

Clinical Professor

AF Wilson

Associate Clinical Professors

E Starreveld NJ Witt

Assistant Clinical ProfessorsRN Roberts P Stenerson
TE Roberts C Tai**Clinical Lecturer**

B Marynowski

Professor Emeritus

G Monckton

Adjunct Professor

SA Warren

100.2.9.11 Pulmonary Medicine

Director and Professor

SFP Man

ProfessorsAD Befus M King
*NN Finer I Mayers
*TL Guidotti R Moqbel
RL Jones**Associate Professors**NE Brown DC Lien
W Chin GC Man
*PA Hessel**Assistant Professors**EY Bissonnette A Liu
JA Crockett LS Melenka
M Duszyk**Clinical Professors**

NRT Gibney GF MacDonald

Associate Clinical ProfessorsIH Ahmed TK Lee
JS Archibald S Marchushamer
WJ Dickout EJ Nobert
MK Heule DE Stollery**Assistant Clinical Professors**

J Sarbit JA Shustack

Adjunct Professors

DA Enarson JG Zayas-Zamora

Professors Emeriti

FA Herbert BJ Sproule

100.2.9.12 Rheumatology

Director and Professor

P Davis

Professor

AS Russell

Associate Professors

SL Aaron WP Maksymowych

Assistant Professor

*M Suarez-Almazor

Associate Clinical Professors

AA Fitzgerald SA LeClercq

Assistant Clinical Professors

PL Chiu KJ Skeith

Clinical Lecturer

A Yan

100.2.10 Obstetrics and Gynaecology

Chair and Professor

BF Mitchell

ProfessorsDC Cumming *M Radomski
*LH Honore JZ Scott
DM Olson**Associate Professors**VA Capstick M Sagle
NN Demianczuk A Schepansky
NB Okun**Assistant Professors**R Chari CG Flood
ST Davidge *V Harber

Clinical Professors

JJ Boulton
 JJ Boyd
 LG Evenson

CF Hoskins
 J Marko
 FH Morcos

Associate Clinical Professors

CES Burnett
 CP Fung
 SJ Genuis
 KE Pearse

SN Schuurmans
 IV Tataryn
 TN Traff

Assistant Clinical Professors

GL Black
 RC Black
 KL Boldt
 M Bow
 R Chua
 TFX Corbett
 VR Gailunas
 TP Gleason
 S Gross

DJ Hodges
 G Iwaniuk
 SR Langton
 M Lieberman
 MS Mah
 CO Mayo
 HD Mueller
 J Sabourin
 P Verma

Clinical Lecturers

RJ Brown
 MJO Coe
 A Lee
 C Linton

JM McCubbin
 F Tsui
 T Unger
 *WR Young

Professors Emeriti

RP Beck

DL Dunlop

100.2.11 Oncology

Chair and Professor

CE Cass

100.2.11.1 Experimental Oncology

Acting Director and Associate Professor

D Murray

Professors

*AR Belch
 CE Cass

RS Day
 LM Pilarski

Associate Professors

AJ Franko
 *PE Grundy
 *WP Gati
 R Godbout
 *JC Hugh
 WA McBlain
 D Murray

*SA Rice
 *SM Rosenberg
 ARE Shaw
 CA Spencer
 *JC Stone
 MJ Turner
 M Weinfeld

Assistant Professors

RA Britten
 *JR Mackey
 *RB Moore

*CD Rasmussen
 *MC Schultz

Lecturer

R. Mirzayans

Adjunct Professor

MC Paterson

Professor Emeritus

*ARP Paterson

100.2.11.2 Medical Oncology

Director and Professor

AR Belch

Professor

*JJ Akabutu

Associate Professors

ALA Fields
 *PE Grundy
 *A Janowska-Wieczorek
 *LM Larratt
 *DW Morrish

J Nabholtz
 MC Palmer
 *AR Turner
 PM Venner

Assistant Professors

*SJ Desai
 JR Mackey

Adjunct Professor

GD MacLean

100.2.11.3 Medical Physics

Director and Associate Professor

HR Hooper

Associate Professor

RS Sloboda

Assistant Professor

DM Robinson

Lecturers

W Ansbacher
 GC Field

B Murray

Clinical Lecturer

SL Connors

100.2.11.4 Palliative Medicine

Director and Professor

ED Bruera

Associate Professors

CE Cumming
 MD Handman

Assistant Professors

RL Fainsinger
 M Hundleby
 CP Jenkins

JL Pereira
 AW Taube
 SM Watanabe

Adjunct Professor

C Ripamonti

Lecturer

RA Sela

100.2.11.5 Radiation Oncology

Director and Associate Professor

RG Pearcey

Professors

*PS Allen
 AW Lees
 *AJB McEwan

AAE Starreveld
 RC Urtasun

Associate Professors

*DS Fulton
 DG McGowan

JE Pedersen

Assistant Professors

GS Dundas
 N Jha
 BE Krause

MB Parliament
 WH Roa

Lecturer

TS Nijjar

Associate Clinical Professors

*Z Catz

*RN Ludwig

Assistant Clinical Professors

*I Birchall

*TJ Terry

Clinical Lecturer

*S Halls

100.2.11.6 Surgical Oncology

Acting Director and Associate Professor

*A Schepansky

Professors

*PA Gordon
 *OG Thurston
 *WW Yakimets

Associate Professor

*VA Capstick

Assistant Professors

*JC Hugh
 *RB Moore

Clinical Professor

*JDS McKean

Associate Clinical Professor

*EE Wiens

Assistant Clinical Professor

*GJ Lavoie

100.2.12 Ophthalmology

Chair and Professor

IM MacDonald

Professor

*BW Mielke

Associate Professor

GT Drummond

Assistant Professors

RJ Casey

MA Walter

Clinical Professors

RA Morgan

KH Shutt

Associate Clinical Professors

J Buski
 RLC Johnson

FL Leong-Sit

Assistant Clinical Professors

D Climenhaga
 H Climenhaga
 D Cote
 JJ Foy
 EJ Hodges
 M Greve

M Kutzner
 JR Lewis
 A Macdonald
 EJ Rodnisky
 LM Uniat

Clinical Lecturers

KR Hennig
 ME Phillips

LF Smith

Professors Emeriti

WG Pearce

HT Wyatt

100.2.13 Oral Health Sciences

Acting Chair and Professor

GW Raborn

ProfessorsCG Baker
GA Deane
RE Donnelly
FM Eggert
HE ElBadrawy
KH Gibb
KE Glover
KW Hinkelman
LW Kline
PW MajorWT McGaw
NC Milos
ZM Pawliuk
JFL Pimlott
KM Polukoshko
PD Schuller
DA Scott
PG Scott
JA Theodore**Associate Professors**A Kaburda
I Kuc
DJ PehowichE Peters
JN Pochynok
HK Tan**Assistant Professor**

E Edgington

Clinical ProfessorsDPK Cheung
M Grace
RD Haryett
CE Hawrish
BL KuzykRP Mullen
JM Plecash
HL Samuels
EW Tunis
DC Yu**Clinical Associate Professors**N Chalk
LC Chan
A Eastwood
B Gitzel
D Gotaas
KL Hesse
BG Kindrachuk
R Labahn
BA Linke
DJ MacDougall
KE Manning
WR Mather
E McIntyre
ME MickleboroughB Nebbe
SK Patterson
PL Pierce
L Powers
J Ritchie
EC Robinson
P Schulte
TR Stevenson
MT Taciuk
RL Tegart
M Wilson
KW Wong
J Woronuk
CC Yu**Clinical Assistant Professors**DH Bédard
BS Bennett
EA Burgess
H Campbell
CG Caruk
S Cobban
S Compton
R Cox
RRA Croutze
J Doberstein
R Eamer
CK Fialka-Eshenko
DBC Hayashi
M Howell
E Jang
E Krause
E Kucey
C Layton
VP Lee
J LockauC MacDonald
J Mergaert
LR Moore
L Mowat
BR Neumann
WD Preshing
W Primrose
CJ Revell
CG Rouse
JA Scott
W Smith
L Sterns
NE Weaver
WG Wesner
AO Wong
P Wooding
PKC Yeung
HC Yu
GB Zenith**Clinical Instructors**K Bapoo-Mohamed
L Best
T Bone
J Borrelli
AH Brouwer
G Burke
D Chow
J Croutze
TM Debevč
R Easton
D Eliuk
P Gainer
L Goerz
KS Habib
AKK Hoh
KP Isbister
GH Janke
N Jinnah
L Julé
M Kaiser
A Klassen
EWL KwanW Kwong
SSS Lau
AF Leboldus
S Lockwood
J Mack
W MacKinnon
S Mitchell
C Neufeld
J Paphangkorakit
M Pokroy
M Prosperi-Porta
C Rees
K Sandilands
R Schafers
B Schneider
R Titiryn
T Toohey
M Webber
GP Wendell
EM Whitney
D Wong**Lecturer**

C Boyko

Professors EmeritiBK Arora
RV BlackmoreWC Meyer
GW MeyersJM Calvert
DM Collinson
HM Dick
AD Fee
JA Hargreaves
WT Harley
PD MacRae
RC McClelland
KA McMurchyCJ Osadetz
JW Osborn
DM Paton
CH Pearson
AJ Simons
WJ Simpson
GH Sperber
NR Thomas
GW Thompson

100.2.14 Paediatrics

Acting Chair and Professor

F Harley

ProfessorsJJ Akabutu
RL Collins-Nakai
*DW Cox
P Etches
EW Gauk
FL HarleyAB Jones
GD Lopaschuk
PM Olley
*DM Olson
HF Pabst
CMT Robertson**Associate Professors**C Baxter
RM Couch
JE Ellsworth
L Fliegel
KJ Goulden*M Michalak
AC Rouget
LJ Smith
DW Spady
W Vaudry**Assistant Professors**D Andrews
B Couch
NA Dower
M KantochR Schulz
BD Sinclair
V Yiu**Clinical Professors**DJ Hasinoff
RR Moriarty
*PA Penkoske
J Popowich
DR SheaAR Stewart
MI Tedeschini
OA Ulan
MJ Wat**Associate Clinical Professors**G Andrew
P Byrne
J Dyck
S Galante
K Lee
*GM Lees
F Martin
TJ PatonPM Pierse
EM Rabinovitch
HR Rajani
JS Tkachyk
*JR Waters
KS Wong
PC Zuberbuhler**Assistant Clinical Professors**K Anderson
K Aziz
L Baydala
BA Behrmann
D Berry
M Bhambhani
I Buka
LM Casey
R Chen
AM Darwish
LJ Dibden
W Doyle-Chan
EW Harris
A Janicka
RP Lemke
JE LopatkaBA Malinowski
LF McGonigle
AN Mian
*JC Mullen
GA Ortega
H Osiovič
VM Osundwa
S Parsons
E Phillipos
ML Ramji
D Roseman
AI Singh
G Sukhrani
WA Szymanski
J Teoh
JT Woods**Professors Emeriti**GJ Conradi
NF Duncan
J Godel
*LC GrisdaleEE McCoy
D Schiff
WC Taylor**Administrative Officer**

G Langer

Adjunct ProfessorsK Horne
RA Lang

WM Wenman

100.2.14.1 Haematology and Oncology

Director and Associate Professor

P Grundy

Professor

JJ Akabutu

Assistant Professors*SJ Desai
PE Grundy

BA Wilson

100.2.14.2 Infectious Diseases

Director and Assistant Professor

W Vaudry

Professor

RPB Larke

Assistant Professor

JL Robinson

100.2.14.3 Medical Genetics

Director and Associate Professor

P Ferreira

Professor

*CC Lin

Associate Professor

S Bamforth

Assistant Professors

*DM Gilchrist

NJ Leonard

Clinical Professor

*WG Pearce

Assistant Clinical Professor

*FJ Bamforth

100.2.14.4 Neonatology

Director and Associate Professor

P Byrne

Professor

PC Etches

Associate Professors

A Peliowski

JE Van Aerde

Assistant Professors

EZ Phillipos

AJ Tierney

100.2.14.5 Paediatric Cardiology

Director and Associate Professor

JD Dyck

Professors

RL Collins-Nakai

PM Olley

Associate Professor

JY Coe

Assistant Professors

M Kantoch

MA Robertson

Associate Clinical Professor

*PA Penkoske

Professor Emeritus

NF Duncan

100.2.14.6 Paediatric Intensive Care

Director and Associate Professor

A Conradi

Associate Professor

A deCaen

Assistant Clinical Professor

A Joffe

100.2.15 Pharmacology

Chair and Professor

IL Martin

Professors

TM Allen

*GB Baker

AS Cianachan

DA Cook

WF Dryden

SMJ Dunn

T Gordon

*GD Lopaschuk

MW Radomski

PA Smith

Associate Professors

WF Colmers

WP Gati

AAC Yeung

Assistant Professors

AN Bateson

BA Bielkiewicz-Vollrath

*R Schulz

AMW Tse

FWY Tse

Professors Emeriti

GB Frank

ARP Paterson

Faculty Service Officer

EG Hunter

Administrative Officer

JC Deuel

100.2.16 Physiology

Chair and Professor

EJ Sanders

Professors

CI Cheeseman

S Harvey

SE Jacobs

*LW Kline

*DM Olson

KG Pearson

A Prochazka

RB Stein

JD Young

Associate Professors

SC Barton

CG Benishin

*DT Finegood

AKC Ho

E Karpinski

Assistant Professors

JR Casey

*ST Davidge

*M Duszyk

JJ Greer

*RZ Lewanczuk

Professors Emeriti

EO Hohn

KJ Hutchison

PKT Pang

M Schachter

Administrative Officer

OM Findlay

Adjunct Professors

*RL Jones

DB Popovic

100.2.17 Psychiatry

Chair and Professor

RC Bland

Honorary Professor

EI Picard

Professors

GB Baker

AJ Greenshaw

WE Piper

Associate Professors

JH Brooks

GG Griener

GS Hnatko

J Metelitsa

SC Newman

PH Silverstone

BK Sinha

Assistant Professors

NJ Coupland

J Fang

J LeMelleo

Clinical Professors

M Blackman

P Flor-Henry

A Gordon

S Levin

PM Segal

PI Steinberg

BF Turner

LB Warneke

HM Wojcicki

Associate Clinical Professors

LM Adams

HM Barker

JE Beach

CA Blashko

AB Bremness

AM Carroll

KM Collinson

PE Copus

NP Costigan

RJ Dyck

J Eustace

RF Fairbairn

KD Gendemann

DW Grover

CA Hapchyn

RE Hibbard

JL Kolada

E Lobo

P Mills

J O'Kelly

KF McKenna

HM Piktel

JS Rosie

BS Sanderman

TJ Snyder

B Sowa

CM Tapper

GD Watson

CM Yaltho

Assistant Clinical Professors

B Bishop

O Cadsky

PS Chue

JM Dewart

R Drebit

DJ Gill

DR Ginter

DRT Guinhawa

RA Gurke

AS Joyce

L Kagan

S Khetarpal

JB Lefsrud

RC Lundeen

R Maitra

S Matthews

WA McCay

M McCallum

DW Meakins

B Mirtle

F O'Croinin

JW Osinchuk

WF Otto

MB Parsons

L Pawluk

SE Purdon

JK Rodgers

EM Schwab

R Scott

D Shih

LH Studer

MCJ Swanson

RP Taubner

L Trichard

M Tweddle

Clinical Lecturers

J Carr

P Carr

J Caryk

J Chu

P Chokka

PS Chue

A Dawrant

SC Duncan

FM Fogarty

A Ganbetti

KK Gibson

D Goodnough

N Hanon

SK Hetarpal

AJ Howell

ND John

V Jordan

KL Kirdeikis

K Lawless

AW McIntyre

S Mitchell

ST Mlynczak

SP Nigam

L Phillips

Y Shapiro

L Schuster

V Singh

L Smit

DL Spaner

D Spence

J Ustina

PJ White

PJ Williams

DYW Wong

Professors Emeriti

WG Dewhurst

P Hays

G Hopkinson

JW Urschel

TE Weckowicz

KA Yonge

Administrative Officer

LC Hein

Adjunct Professors

RA Bornstein *H Jacobs
M Bourin E Starreveld
A Byrne AH Thompson
RT Coutts AF Wilson
AB Douglass NJ Witt
I Kiss

Associate Clinical Professors

RA Ashforth RGW Lambert
G Andrew RN Ludwig
R Arnold WL Ritchie
RC Hennig MT Sin
PG Heslip DB Vickar
MK Hirji RS Warshawski
MA Johnson

Assistant Clinical Professors

TE Ackerman KF O'Kelly
TW Alexander M O'Keefe
R Bhargava E Parkinson
I Birchall EJ Preville
K Cheung TC Spiers
S Halls GD Sterling
ME Hoskinson JF Swersky
M Hutson TJ Terry
G Lauf GP Trepanier
CG Maguire JGE Turner
EW Miller

Clinical Lecturers

WW Anderson LM Kowand
RHK Chan M Mah
CM Copeland NE Maslo
CG Elias KN Puznak
BD Guspie DA Shamchuk
N Horeczko RAG Sherlock
WG Keenan AS Tang

100.2.19.2 Nuclear Medicine

Director and Assistant Clinical Professor

CG Maguire

Associate Professor

*DP Humen

Assistant ProfessorAV Joshua
JR Scott**Associate Clinical Professor**

Z Catz

100.2.18 Public Health Sciences

Chair and Professor

TW Noseworthy

Professors

KS Bay P Jacobs
TL Guidotti L Laing
D Hailey CL Soskolne
CB Hazlett DR Wilson
SE Hrudehy

Associate Professors

PA Hessel DL Saunders
*SC Newman M Serediak
RH Plain

Assistant Professors

L Francescutti XC Le
NL Gibson M Suarez-Almazor

Clinical Professor

JM Howell

Associate Clinical Professor

JWF Cowell

Lecturers

AP Beaulne EW Hall
J Church G Jangri

Professors Emeriti

CM Meilicke SM Stinson
TA McPherson

Adjunct Professors

BC Alleyne J Litvack
D Andriashek A Lovasik
DA Birkholz RC May
L Breault KR Nickerson
H Buchwald G O'Keefe
D Cameron J O'Laney
D Carley S Optenberg
WC Chang T Paton
GJ Cheng J Pawlyshyn
T Chowdhury E Pেকেles
J Cowell DI Philippon
L Derry P Pierse
K Farris G Predy
SM Fincham RE Rogers
N Fok D Rud
D Foth D Sane
S Gabos JL Saunders
GW Gibbs D Schopflocher
A Goldblatt DP Schurman
M Gormley M Serediak
GC Granville BC Spooner
J Hannon LM Stewart
H Hoffman J Sunley
J Howell L Svensen
A Jowhar D Voaklander
B Judd SC Weatherill
N Kasian R Wensel
C Karpilow D Wilson
R Kocuiptych R Wolfe
NN Kotani K Wong
PD Langelle W Yacoub
B Lemon K Yu
P Lightfoot

100.2.19 Radiology and Diagnostic Imaging

100.2.19.1 Diagnostic Radiology

Chair and Professor

AJB McEwan

Professor

DB Russell

Associate Professor

SA Jackson

Assistant Professors

LJ Filipow JR Mercer

Lecturer

BH Long

Clinical Professor

JDR Miller

100.2.20 Surgery

Chair and Professor

SM Hamilton

Administrative Officer

TM Bridgeman

Undergraduate Teaching and Research Coordinator

PM Craig

100.2.20.1 Cardiothoracic Surgery

Director and Clinical Professor

A Koshal

Professor

*R Yatscoff

Associate Professor

*W Chin

Clinical Professors

ET Gelfand PA Penkoske

Associate Clinical Professors

DL Modry IM Rebeyka
SS Nakai

Assistant Clinical Professors

CJ McNamee JC Mullen

Professor Emeritus

JC Callaghan

100.2.20.2 General Surgery

Acting Director and Professor

GL Warnock

Professors

KL Bowes OG Thurston
SM Hamilton GL Warnock
NM Kneteman

Associate Professor

C de Gara

Assistant Professors

S Issa GE O'Keefe

Clinical Professors

JE Anselmo DW Jirsch
RE Fraser S Kilam
RA Hallgren

Associate Clinical Professors

DO Adams JF Mossey
PD Davey AW Procyshyn
RM Hackett HL Stewart
BW Johnson WM Struck
GM Lees TW Theman
WJ Mackie EE Wiens

Assistant Clinical Professors

HR Chyczij	EK Schmidt
SF Cox	J Siegenberg
MH Friedman	AF Trautman
MA Meier	MH van Wijngaarden
WJ Orrom	

Clinical Lecturers

D Callahan	O Heisler
KD Dabbs	JD Matheson
KE Goh	A Prakash

Professors Emeriti

WS Anderson	GW Scott
S Kling	HTG Williams
RAL Macbeth	WW Yakimets

100.2.20.3 Neurosurgery

Director and Associate Clinical Professor

JM Findlay

Professors

*KJ Hutchison *J Tulip

Clinical Professors

PBR Allen	KC Petruk
JDS McKean	

Associate Clinical Professor

KE Aronyk

Assistant Clinical Professors

RW Broad	DE Steinke
WJ O'Callaghan	

Professor Emeritus

BK Weir

100.2.20.4 Orthopaedic Surgery

Director and Clinical Professor

MJ Moreau

Professor

DC Reid

Clinical Professors

RM Glasgow	DWC Johnston
JR Huckell	

Associate Clinical Professors

GW Cameron	WM Rigal
JB McIvor	GG Russell

Assistant Clinical Professors

GD Arnett	MV Lavoie
PR Boucher	PMK Leung
D Dick	JK Mahood
TH Greidanus	DJ Makar
JH Harvey	JF McMillan
LE Hunka	GJ O'Connor
KW James	KJ Russell
GJ Lavoie	

Clinical Lecturers

RA Balyk	FB Kortbeek
JG Cinats	DD Otto

Research Associate

V Raso

Adjunct Professor

LA Davis

100.2.20.5 Otolaryngology

Director and Clinical Professor

DJ Oldring

Assistant Professor

H Seikaly

Clinical Professor

WH Kudryk

Associate Clinical Professor

CS Carter

Assistant Clinical Professors

JC DiToppa	JD Keohane
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Clinical Lecturers

OM Bykowski	JTK Eohane
LT Diduch	JA Kostiuk
CA Elliott	

100.2.20.6 Plastic Surgery

Director and Clinical Professor

GW Lobay

Professor

*LE McGann

Associate Professors

A Ghahary	EE Tredget
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Clinical Professors

GL Moysa	
GH Wilkes	

Assistant Clinical Professors

DD Campbell	T Hayashi
MJ Giuffre	HJ Shimizu

Clinical Lecturers

DC Edwards	G Louie
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Professor Emeritus

JDM Alton

100.2.20.7 Surgical Research

Director and Professor

GL Warnock

Professors

RV Rajotte	R Yatscoff
JC Russell	

Professors Emeriti

KP Kowalewski	DC Secord
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Assistant Professors

TA Churchill	MP Mintchev
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Adjunct Professor

*PG Scott

100.2.20.8 Urological Surgery

Director and Associate Clinical Professor

MP Chetner

Professors

*DJ Griffiths	*JW Lown
---------------	----------

Assistant Professors

RB Moore	GT Todd
----------	---------

Associate Clinical Professors

DR Mador	JB Metcalfe
----------	-------------

Assistant Clinical Professors

RP Abele	LW Mix
B Bochinski	SM Robinson

Clinical Lecturers

MJ Allard	EP Estey
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Professors Emeriti

WH Lakey	JO Metcalfe
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100.3 Divisions of Faculty

100.3.1 Bioethics

Director and Professor

JB Dossetor

Professors

*V Bergum	*TW Noseworthy
*P Byrne	*GB Robertson
*SC Haske	*JC Ross-Kerr
*JM Howell	*D Schiff
*CMF Kjellstrand	*E Toth

Associate Professors

*G Griener	*JC Mackenzie
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Assistant Professor

*DM Wilson

Adjunct Professors

N Bettowski	NJ Inions
L Cook	P Marck
RC Fraser	M Shone
S Heschuk	DL Smith

Professor Emeritus

JB Dossetor (Chair in Bioethics)

100.3.2 Continuing Medical Education

Director and Professor

P Davis

Assistant Directors

PG Hamilton	SE Low
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100.3.3 Critical Care Medicine

Director and Associate Clinical Professor

RG Johnston

Professors

*T Noseworthy	*I Mayers
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Associate Professors

*P Byrne	*A Pelliowski
*PC Etches	*P Penkoske
*NRT Gibney	*EE Tredget

Assistant Professors

*A deCaen	*M vanWijngaarden
*MK Heule	

Associate Clinical Professors

*A Conradi	*DL Modry
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Assistant Clinical Professors

*J Mullen
 *CR Guenther
 *S Marcushamer
 *M Meier

Clinical Lecturers

*D Callahan
 *D Matheson

Associate Clinical Professors

JA Nicas
 LCE Trachsnel
 *M Watt

Assistant Clinical Professors

A Chu
 LE Gross
 JB Guthrie
 JM Nagy
 E Veszpremi

Adjunct Professors

*BJ Andrews
 *RB Stein

100.3.4 Emergency Medicine

Director and Associate Professor

BR Holroyd

Associate Clinical Professors

MA Cherniwchan
 GE Cummings
 DL Shragge
 TD Sosnowski

Assistant Clinical Professors

D Bond
 HA Borkent
 MJ Boulanger
 RS Brooks
 JJ Brown
 T Compagna
 D Mackey
 DM McEigunn
 *LF McGonigle
 C Neal
 WR Patton
 DC Perry
 IP Steiner
 JC Taylor
 AF Walker

Adjunct Associate Clinical Professor

I Vicas

Clinical Lecturers

BL Abel
 JJ Brown
 ER Buntin
 CG Campbell
 JMB Davidson
 CGM Evans
 GAJ Groot
 DW Lemke
 CW Miles
 AR Murray
 DW Neilson
 D Nixon
 SA Poplawski
 RA Purser
 N Schiebel
 TP Stetsko
 DF Stewart
 PW Yoon

100.3.5 Health Sciences Laboratory Animal Services

Director and Professor

DH Neil

Faculty Service Officers

TF Bayans
 PN Nation

100.3.6 Neuroscience

Director and Professor

*WF Dryden

Professors

*BJ Andrews
 *GB Baker
 *MH Brooke
 *RB Campenot
 *SMJ Dunn
 *WF Epling
 *T Gordon
 *MM Hodge
 *S Kumar
 *KG Pearson
 *RE Peter
 *WH Pierce
 *A Prochazka
 *PA Smith
 *RB Stein
 *RC Urtasun
 *D Wahlsten

Associate Professors

*WF Colmers
 *MRW Dawson
 *JI Goldberg
 *AJ Greenshaw
 *JH Jhamandas
 *TL Krukoff
 *TP Martin
 *MT Martin-Iverson
 *NC Milos

Assistant Professors

*AN Bateson
 *JJ Greer
 *A Kingstone
 *D Treit
 *A Tse
 *F Tse
 *J Yang

Clinical Professor

*JDR Miller

Associate Clinical Professor

*KC Petruk

Adjunct Professors

*CHM Beck
 *E Boberg
 *AR Dobbs
 *GR Holland
 *I Kiss
 *BK Mitchell
 *AH Putnam Rochet

100.3.8 Physical Medicine and Rehabilitation Medicine

Director and Associate Professor

DJ Carroll

Professor

RM Feldman

Associate Professor

LA Bellamy

Assistant Professors

RS Burnham
 DE McLean

100.3.9 Studies in Medical Education/Media Services

Director and Professor

*DA Cook

Associate Director and Professor

*C Harley

Professor

*TO Maguire

Associate Professor

EN Skakun

Educational Associates

*SL Aaron (Medicine–Rheumatology)
 *FR Brenneis (Family Medicine)
 *DN Brindley (Biochemistry)
 *NE Brown (Medicine)
 *VA Capstick (Obstetrics and Gynecology)
 *CI Cheeseman (Assistant Dean, Admissions, Physiology)
 *J Crocket (Medicine)
 *PM Crockford (Assistant Dean–Clinical Education, Medicine–Endocrinology)
 *P Davis (Associate Dean, Continuing Education, Medicine–Rheumatology)
 *MG Donoff (Family Medicine)
 *JE Ellsworth (Paediatrics)
 *BW Fisher (Medicine–General Internal Medicine)
 *G Goldsand (Associate Dean–PGME–Infectious Diseases)
 *N Kassam (Medicine)
 *W Patton (Emergency Medicine)
 *B Roed (University Teaching Services)
 *DW Spady (Paediatrics)
 *BR Stevenson (Assistant Dean–Student Affairs, Cell Biology and Anatomy)
 *AR Turner (Medicine–Clinical Hematology)
 *DLJ Tyrrell (Dean of Medicine, Medical Microbiology and Immunology)
 *AH Walji (Associate Dean–UGME–Cell Biology and Anatomy)

Research Associates

*D Blackmore (Medicine Council of Canada)
 *R Muzyka (Technological Consultant)
 *GL Warnock (Surgery)
 *G Zeschuk (Technological Consultant)

100.3.10 Surgical Medical Research Institute

Director and Professor

*RV Rajotte

100.4 Additional Members of Faculty Council

President and Vice-Chair

R Fraser, PhD

Representatives

JN Campbell (Faculty of Science)
 RS Smith (Acting Vice-President Research and External Affairs)
 RE Moskalyk (Dean of Pharmacy)
 MJ Wood (Dean of Nursing)
 LR Olhauser (Registrar, College of Physicians and Surgeons)
 RA Burns (Alberta Medical Association)
 J Buckingham (Medical Librarian)
 J Turc (Alberta Cancer Board)
 M Spence (Alberta Heritage Foundation for Medical Research)
 ALA Fields (Cross Cancer Institute)

In addition, there are ten student representatives: two from the MLS program and eight from the MD program.

Registrar of the University

BJ Silzer, MEd

101 General Information

The Faculty of Medicine of the University of Alberta was established in 1913 and until 1922 conducted a three-year undergraduate medical program in the basic medical sciences.

In 1923 a full program of clinical instruction began and the first Doctor of Medicine degrees were awarded in 1925.

Dental education was instituted at the University of Alberta in 1917 in the School of Dentistry under the Faculty of Medicine. The first full degree program was offered in 1923, and the first class graduated in 1927. The

School became the Faculty of Dentistry in 1944. Dental Auxiliary training was instituted in 1961. In 1962 the School of Dental Hygiene came into being. A program of graduate studies was formally approved in 1962.

In 1996 the Faculty of Dentistry was merged with the Faculty of Medicine to become the Faculty of Medicine and Oral Health Sciences.

The Faculty of Medicine and Oral Health Sciences conducts the following programs:

Medical Programs:

- (1) A fully accredited four-year program leading to the degree of Doctor of Medicine. At least two pre-medical years at university are required before admission to this program.
- (2) A program whereby students in the MD program who fulfil specified requirements in research may receive the degree of Doctor of Medicine "with Honors in Research."
- (3) A four-year program leading to the degree of Bachelor of Science in Medical Laboratory Science, which may be entered at the matriculation level.
- (4) A program whereby students in Medical Laboratory Science who fulfil specified requirements in research may receive the degree of Bachelor of Science in Medical Laboratory Science "with Honors in Research."
- (5) A program whereby students in the MD Program who fulfil specified requirements may be awarded the Bachelor of Medical Science degree at the conclusion of their second year in the MD program.
- (6) At the graduate level, programs leading to the degree of Master of Science or Doctor of Philosophy. Also programs leading to the degree of Master of Health Service Administration or the Diploma in Health Service Administration.
- (7) Programs leading to eligibility for specialist qualification by the Royal College of Physicians and Surgeons of Canada are offered in cooperation with affiliated hospitals in all clinical specialities.
- (8) An extensive program of continuing medical education for physicians practising in Northern Alberta.

Details of programs of study are outlined in §103.

Dental Programs:

- (1) A four-year program leading to the degree of Doctor of Dental Surgery (DDS). At least two pre-dental years at university are required before admission to this program.
- (2) A BSc degree which students registered in the DDS program may apply for after successful completion of the first two years of the DDS program.
- (3) A two-year program leading to the Diploma in Dental Hygiene. A preprofessional year is required before admission to this program.
- (4) MSc and PhD degrees in Dentistry.
- (5) An MSc Degree and Certificate in Orthodontics.
- (6) Continuing Education courses are offered by the Department of Oral Health Sciences from time to time to provide a program of continuing education for the dental profession. A program outlining dates, course descriptions, participation, and length is prepared annually and distributed to the profession.

101.1 Department of Oral Health Sciences Objectives

- (1) To provide an academic and intellectual milieu in a University setting that facilitates all aspects of education and research in dentistry and allied health and scientific fields by
 - a. attracting, selecting, and motivating the most qualified academic and non-academic staff; and
 - b. creating a University environment that emphasizes the quality of life for staff and students.
- (2) To contribute to the advancement of knowledge in dentistry and allied fields by doing research, publishing research papers, and communicating and interacting with
 - a. other health sciences and other disciplines of the University in order to promote comprehensive health care;
 - b. the dental profession, dental auxiliaries, auxiliary-training programs, and the community in order to promote oral health; and
 - c. basic and clinical science organizations and granting agencies in order to promote disciplinary and interdisciplinary research.

- (3) To graduate competent undergraduate dentistry students and dental hygienists, and graduate and postgraduate students by
 - a. attracting, selecting, and then motivating the most suitable and well-qualified students who have the ability to acquire the education and training for a professional and/or academic career;
 - b. maintaining an undergraduate dentistry curriculum that integrates basic medical and dental sciences, behaviour and social sciences, dental clinical sciences, community and preventive dentistry, hospital dentistry, and practice management; and incorporates recent concepts, materials, techniques, advances, and research in all areas; and reflects the existing and projected provincial, national, and international oral health needs;
 - c. maintaining a dental hygiene curriculum that produces students who will complement the present and future dental care delivery system;
 - d. maintaining an educational program that allows for the smooth transition from graduation to practice and which ensures that students are competent to practise in an efficient and responsible manner; and
 - e. graduating students who are competent to assume roles of leadership and service in their professions and communities.
- (4) To provide the opportunity and stimulus for continued learning through postgraduate, graduate, research, and continuing education programs.
- (5) To provide efficient and quality dental treatment for the community that emphasizes and recognizes the needs of the patient.

101.2 Affiliated Hospitals and Institutions

101.2.1 Affiliated Hospitals

The Faculty of Medicine and Oral Health Sciences, University of Alberta, has formal affiliation agreements with each of the major active treatment hospitals in the city: University of Alberta Hospitals; Royal Alexandra Hospital; Misericordia Hospital; Edmonton Grey Nuns Hospital; Glenrose Rehabilitation Hospital; and the Cross Cancer Institute. The Faculty is located in the Walter Mackenzie Health Sciences Centre which includes the University of Alberta Hospitals as well as the Heritage Medical Research, Medical Sciences, and Clinical Sciences Buildings.

By special arrangement and affiliation agreements, some undergraduate and/or postgraduate training is also conducted at the Alberta Hospitals, Edmonton and Ponoka (Psychiatry); as well as St Mary's Hospital, Camrose; Red Deer Regional Hospital; Sturgeon General Hospital, St Albert; Queen Elizabeth II Hospital, Grande Prairie; and other hospitals and institutions as the opportunity arises.

101.2.2 Family Medicine Rural Teaching Sites

The Department of Family Medicine has an educational relationship with 14 of the 17 Regional Health Authorities. Currently, over 38 rural communities participate in undergraduate and postgraduate educational initiatives. For an up-to-date listing of the rural sites please contact Ruth Vander Woude at 492-0582.

101.2.3 Northern Health Services Program

Through an affiliation with the Inuvik Health Board a regular rotation of clinical faculty, residents, and elective students to Inuvik areas (Mackenzie Area Ambulatory Program) is maintained.

101.2.4 University of Alberta Family Medicine Centres

Ambulatory care facilities, specifically designed for undergraduate and graduate education in family practice, are located at the Grey Nuns and Misericordia Community Health Centres and the Royal Alexandra Hospital. These "Family Medicine Centres" provide medical and other health science students with an opportunity to participate in the provision of comprehensive and continuing health care to a representative section of the community under the supervision of members of the Department of Family Medicine.

101.2.5 Alberta Primary Care Research Unit—University of Alberta Branch

The Alberta Primary Care Research Unit (APCRU) is comprised of two complementary branches within the Faculties of Medicine, one at the University of Alberta, and the other at the University of Calgary. The APCRU is the coordinating infrastructure, organized through the respective Departments of Family Medicine, to foster a multidisciplinary and coordinated approach to the study of primary medical care research in Alberta. One of the main focuses of the APCRU is community practice-based research.

This is facilitated through the ongoing special relationship between the APCRU and the Alberta Family Practice Research Network (AFPRN) of the College of Family Physicians of Canada (Alberta Chapter). The three APCRU-research themes are (1) clinical prevention, (2) education/information dissemination, and (3) health services utilization and outcomes.

101.2.6 University of Alberta Surgical-Medical Research Institute

The University of Alberta Surgical-Medical Research Institute (SMRI) is a multi-user facility that provides laboratory space and equipment to facilitate the research activities of research investigators, fellows, and graduate students in the Faculty of Medicine and Oral Health Sciences in the field of experimental surgery and medicine. Facilities include operating rooms for large and small animals, a biochemistry and histology laboratory, as well as the Medicine/Dentistry Electron Microscopy Unit which is located in the Institute. In addition to research activities, the SMRI provides major teaching facilities for surgical residents in training, core training (surgical skills) for postgraduate Year 1 and postgraduate Year 2 students, graduate, and summer students. The surgical facilities are also used for running continuing medical education courses for medical and paramedical practitioners to study the latest innovations in medicine. The Institute offers four postgraduate courses, three of which are prerequisites for the MSc and PhD degrees in experimental surgery.

101.3 Registration and Licensing

101.3.1 DDS Degree

The Department of Oral Health Sciences of the University of Alberta is accredited by the Canadian Dental Association and thereby recognized by the American Dental Association Council of Accreditation.

Graduates in dentistry from the University of Alberta may register in the province of Alberta upon payment of a licensing fee without further examination.

Regulations regarding the practice of dentistry in any of the other provinces in Canada may be obtained by writing to the dental registrar of that province:

Alberta

Alberta Dental Association
#101, 8230-105th Street
Edmonton, Alberta T6E 5H9

British Columbia

College of Dental Surgeons of British Columbia
1125 West 8th Avenue
Vancouver, British Columbia V6H 3N4

Manitoba

The Manitoba Dental Association
308 Kennedy Street
Winnipeg, Manitoba R3B 2M6

New Brunswick

New Brunswick Dental Society
440 Champlain Street
Saint John West, New Brunswick E2M 1R9

Newfoundland

Newfoundland Dental Association
203 LeMarchant Road
St John's, Newfoundland A1C 2H5

Nova Scotia

Nova Scotia Dental Association
12-5880 Spring Garden Road
Halifax, Nova Scotia B3H 1Y1

Ontario

The Royal College of Dental Surgeons of Ontario
230 St George Street
Toronto, Ontario
M5R 2N5

Prince Edward Island

Dental Association of Prince Edward Island
239 Water Street
Summerside, Prince Edward Island
C1N 1B4

Quebec

Order of Dentists of Quebec
Ste 303, 801 est, rue Sherbrooke,
Montreal, Quebec
H2L 1K7

Saskatchewan

College of Dental Surgeons of Saskatchewan
109, 514-23 Street, East
Saskatoon, Saskatchewan S7K 0J8

Senior students of approved dental schools are required to write the National Dental Examining Board examinations during their final year. Successful completion of these examinations are required for licensure.

Graduates are also eligible to write licencing examinations in most of the states in the United States and the examinations of the National Board of Dental Examiners of the American Dental Association.

The Doctor of Dental Surgery (DDS) degree and the Doctor of Dental Medicine (DMD) degree (granted by some Canadian and United States universities) are equivalent degrees.

101.3.2 Dental Hygiene Diploma

A diploma from the dental hygiene program does not, in itself, confer the right to practise. A dental hygienist desiring to practise dental hygiene in Canada should consult the appropriate provincial licencing body as listed below:

Alberta

Alberta Dental Hygienists Association
222, 8567-51 Avenue
Edmonton, AB T6E 6A8

British Columbia

Registrar
College of Dental Surgeons of British Columbia
1125 West 8th Avenue
Vancouver, British Columbia V6H 3N4

Manitoba

Registrar
The Manitoba Dental Association
308 Kennedy Street
Winnipeg, Manitoba R3B 2M6

New Brunswick

Registrar
College of Dental Surgeons of New Brunswick,
440 Champlain Street
Saint John, New Brunswick E2M 1R9

Newfoundland

Registrar
Newfoundland Dental Association
Campbell Building, 203 LeMarchant Road
St John's, Newfoundland A1C 2H1

Nova Scotia

Registrar
Provincial Dental Board of Nova Scotia
1548 Robie Street
Halifax, Nova Scotia B3H 3E6

Ontario

College of Dental Hygienists of Ontario
69 Bloor Street East
Suite 300
Toronto, Ontario M4W 1A9

Prince Edward Island

Registrar
The Dental Association of Prince Edward Island
239 Water Street
Summerside, Prince Edward Island C1N 1C1

Quebec

Professional Corporation of Dental Hygiene of Quebec
5757 Decelles Street, #237
Montreal, Quebec H3S 2C3

Saskatchewan

Registrar
The College of Dental Surgeons of Saskatchewan
Suite 109, 514-23rd Street East
Saskatoon, Saskatchewan S7K 0J8

101.3.3 Registration to Practise

The Registrar of the Alberta Dental Association and/or The Alberta Dental Hygienists Association may refuse to issue a license and/or registration certificate to practise dentistry and/or dental hygiene to any applicant possessing a criminal record. If you have concerns in this area, please contact the Registrar, Alberta Dental Association and/or Alberta Dental Hygienists Association.

101.4 Finance

101.4.1 DDS Degree

An estimated budget for dental students

No student will be allowed to purchase a kit without the permission of the Department of Oral Health Sciences.

	Year 1	Year 2
Tuition and Fees	\$5,485	\$5,485
Books	1,200	1,100
Dental Kits	8,000	6,600
Dental Students Association	100	100
	Year 3	Year 4
Tuition and Fees	\$5,485	\$3,885
Books	400	200
Dental Kits (Instruments)	900	200
Dental Students Association	100	100
NBDE (American) Examinations	—	70
NDEB (Canadian) Examinations	—	1,665

101.4.2 Dental Hygiene Diploma

Approximate Costs	Year 1	Year 2
Tuition and Fees	\$4,395	\$2,795
Books	900	600
Dental Hygiene Kits	3,500	2,300
Membership Fees	100	100

Uniforms: The student will be expected to have a lab coat, one uniform, a pair of white oxfords, safety glasses and/or prescription glasses. The lab coat, uniform, shoes, and safety glasses will be purchased under the direction of the program.

Field Experiences: Students are responsible for their own transportation to and from field experiences which are scheduled in the Edmonton area.

101.4.3 MD Degree

Information on fees charged to students in the MD and MSc programs are given in §22. In addition, medical students spend approximately \$2,000 each year for books, supplies and instruments. Fourth-year medical students pay an examination fee of approximately \$700 to the Medical Council of Canada in January of their final year.

All medical students are encouraged to take the following courses: First Aid, Cardio-Pulmonary Resuscitation, and Advanced Cardiac Life Support. Students are responsible for the corresponding fees.

Some remuneration is presently given to final year MD students by Alberta Health, Government of Alberta.

Details of scholarships and other forms of financial assistance available to medical students are in the Awards section of this Calendar, or by contacting the MD Program Office, Admissions and Undergraduate Medical Education, 2-45 Medical Sciences Building (phone 492-6350).

101.5 Medical Society Memberships

The Medical Students' Association is the officially recognized organization of medical students. It provides many social, informative, and cultural activities for medical students and sponsors several important community projects. It is authorized to collect a membership fee from each student. The Association provides the following annual awards: the Outstanding Teacher Awards presented to one teacher for excellence as an educator in each of the Phase I, II, and III programs; the Shaner Award presented to a graduating student for exceptional contributions to the work of the Association; the Mackenzie Award presented to a graduating student who is judged to be most proficient in clinical skills; and the Fried Award presented to the Phase III student who has demonstrated exceptional clinical aptitudes in Paediatrics. Some of the projects currently sponsored by the MSA and run by medical students are: the University of Alberta branch of Shinerama, a program dedicated to raising money for Cystic Fibrosis research; the Courtyard Concert Series, a noon-hour classical concert series for University Hospital patients (featuring a grand piano donated by the MSA); a medical student choir, and IATROS, a student medical journal dedicated to publication of student articles and to increasing communications between present students and alumni. Many social activities and sports events are also planned throughout the year.

The Medical Alumni Association is an organization of all graduates in Medicine from the University of Alberta. The Association takes an active interest in the Faculty and provides a limited loan fund for undergraduate and graduate students. In addition the Association participates in a number of awards to students and, from time to time, finances specific projects in the Faculty. The Association meets annually in conjunction with the Alberta Medical Association meeting.

102 Admission and Academic Regulations

102.1 Admission

General admission requirements to the University are set out in §§13 and 14. Specific admission information for the DDS, Dental Hygiene, MD, and BSc in Medical Laboratory Science programs are set out in §15.9.

102.1.1 Combined Program for the Degrees of MD and PhD

Highly qualified students wishing to pursue a career of teaching and research in either basic medical science or in clinical medicine may enrol in a program of approximately six to eight years' duration leading to the acquisition of both an MD and a PhD degree.

Students in the first year of the MD program are invited to apply to the Combined Program. If acceptable to the appropriate department, to the Faculty of Medicine and Oral Health Sciences, and to the Faculty of Graduate Studies and Research, the student would be admitted to the PhD program. Normally, upon completion of two years of the MD program, the student would then register in the PhD program. The time needed to complete the requirements for the PhD would depend upon the previous training of the applicant and the nature of the research. Upon completion of the PhD program the student would reenter the Faculty of Medicine and Oral Health Sciences and complete the requirements for the MD degree.

Students interested in such a program may obtain further information from the Office of Research, Faculty of Medicine and Oral Health Sciences, 2J2 WC Mackenzie Health Sciences Centre.

Note: For classification purposes postgraduate medical students are considered to be graduate students. As such, they have the option of paying fees to the Graduate Students' Association.

102.2 Academic Standing and Graduation

102.2.1 DDS Degree

(1) Students entering the DDS program may be granted credits for courses completed preprofessionally which are deemed by the Department Chair, in consultation with the course coordinator and the Chair of the Academic Standing Committee, to be demonstrably equivalent with courses for which credit is being sought. Credit will be considered only when the student achieves a grade of 6.0 or more in the qualifying course(s). Students carrying a course load which has been reduced by more than ★10 from the normal Winter Session course load will not be eligible for awards in that session. In the first and second year of the Dentistry Program all course requirements in the year must be met in order to be eligible for promotion. A third-year student may, at the discretion of Council, be promoted with a course deficiency when all of the following apply:

- the deficiency is in a single clinical course;
 - there is no provision for remediation and reevaluation in the course; and
 - the student's overall GPA for the year is 6.0 or better.
- A student promoted with a deficiency will be required to meet all normal course requirements in the fourth year of the Program in order to be eligible for graduation.

(2) A minimum GPA of 5.0 must be achieved in order to meet promotion requirements. Students will be required to pass both the practical and the theoretical examinations of any course having a practical and theoretical component.

(3) Course grades of 3.0, 2.0, and 1.0 are failing grades. A grade of 4.0 is a conditional pass and will permit a student to meet promotion/graduation requirements when

- the student's overall GPA is 5.0 or better;
 - the combined course weight in which grades of 4.0 or less are achieved does not exceed 20% of the total course weight in the program year; and
 - satisfactory course standing is approved by Department Council. Notwithstanding (b) above, Department Council may deny a student promotion/graduation when grades of 4.0 are achieved in critical subjects and/or when reexaminations are not available.
- d. When these conditions are not met, credit will be denied for courses in which a grade of 4.0 has been received.

(4) **Reexaminations:** See §23.5.5.

- (5) A failed student who repeats the failed year may retain credit for passed courses, other than laboratory and clinical courses, only at the discretion of the Academic Standing Committee acting on the advice of the Discipline concerned. A minimum grade of 6.0 will be required for course credit. A failed student in the final year of the program may be designated a Special Category repeating student. Further information regarding the Special Category repeating student may be obtained from the Department office. Students who carry a reduced academic load exceeding ★10 from the normal Winter Session course load will not be eligible for awards in that session.
- (6) Students will be permitted to repeat first-year Dentistry only in circumstances determined to be exceptional by the Department Council. Normally, a first-year Dentistry student permitted to repeat the failed year will be required to wait out one year before readmission to the program. Repeating students will be considered for awards and, with the exception of repeating Special Category fourth year Dentistry students, will be given a class standing.
- (7) A student permitted to repeat a failed year, who does not achieve a GPA of 5.0 will be required to cancel registration in the DDS program.
- (8) A Special Category repeating fourth-year Dentistry student
- has achieved a minimum GPA of 6.0 in the fourth year program;
 - has clinical deficiencies in no more than two clinical courses and has been advised that the deficiency could be corrected within a four-month period of instruction; and
 - has successfully completed all written examinations in the DDS program.
- (9) Voluntary Withdrawal: A student wishing to withdraw registration in the DDS program on a temporary basis may make written application to the Associate Dean of Oral Health Sciences, stating the reasons for withdrawal and the intended period of withdrawal. Readmission to the DDS program following voluntary withdrawal will be based on the following:
- a review, by the Advisory Council, of the reasons for withdrawal and the student's academic record;
 - availability of a place, within quota, in the class to which the student is seeking readmission. Priority will be assigned in the following order:
 - students who have met normal promotion requirements.
 - Faculty approved repeating students and students returning after voluntary withdrawal, in order of academic standing.
 - the length of time the student interrupts studies leading to the DDS degree must not exceed two years in total.
- (10) Faculty Advisor: At the discretion of the Department Council, an advisor may be assigned to students who are having difficulty meeting promotion requirements. The method of assignment and role of the advisor shall be determined from time to time by the Department Council.
- (11) All students registered in the Dentistry program are required by Provincial legislation to be registered in the Educational Register of the Alberta Dental Association. This registration permits the practice of dentistry within the confines of the formal dental curriculum.

102.2.2 Dental Hygiene Diploma

In addition to the regulations set out in §23 of this Calendar, the following apply to students in the Dental Hygiene Program:

- Alberta certification in CPR (Cardiopulmonary Resuscitation) at the Basic Rescuer Level is required and a course will be offered during orientation week for students entering first year dental hygiene. A recertification course will be offered during orientation week for students entering second year dental hygiene. Exemption will be granted to those students presenting a valid CPR Basic Rescuer Level certificate prior to orientation week.
- Students entering the Dental Hygiene program may be granted credits for courses completed preprofessionally which are deemed by the Department Chair, in consultation with the course coordinator and the Chair of the Academic Standing Committee, to be demonstrably equivalent with courses for which credit is being sought. Credit will be considered only when the student achieves a grade of 6.0 or more in the qualifying course(s).
Students carrying a reduced academic load exceeding a total of ★6 will not be eligible for awards.
- Recommendations for promotion and graduation will be on the basis of a grade of at least 4.0 in each subject and a GPA of at least 5.0.
- Reexaminations:** See §23.5.5.
- Students will be permitted to repeat First Year Dental Hygiene only in exceptional cases as determined by the Department Council. A first-year

Dental Hygiene student permitted to repeat the failed year will be required to wait out one year before continuing in the program. Repeating students will be considered for awards.

- Students seeking readmission to the Dental Hygiene program will have their application for readmission considered in competition with all other applicants by the Admissions Committee.
- A failed student who repeats the failed year may retain credit for passed courses, other than laboratory and clinical courses, only at the discretion of the Academic Standing Committee acting on the advice of the Discipline concerned. A minimum grade of 6.0 is required for Dental Hygiene courses. A failed student in the final year of the program may be designated a Special Category repeating student and may complete graduation requirements at the completion of the Intersession term. Students who carry a reduced academic load exceeding ★6 from the normal Winter Session course load will not be eligible for awards in that session.
- A Special Category repeating second-year dental hygiene student
 - has achieved a minimum GPA of 6.0 in the second-year program;
 - has clinical deficiencies in no more than two clinical courses and is advised that the deficiency could be corrected within a four-month period of instruction; and
 - has successfully completed all written examinations in the Dental Hygiene program.
- Faculty Advisor: At the discretion of the Academic Standing Committee, a faculty advisor may be assigned to students who are having difficulty in meeting promotion requirements. The method of assignment and the role of the faculty advisor shall be determined from time to time by the Council.

102.2.3 MD Program

The four-year program leading to the MD degree is conducted in four phases (I, II, IIIA and IIIB), each under the direction of an interdepartmental coordinating committee. (See §103.3.) Final decisions regarding academic standing and promotion to the next phase are made by the Faculty Academic Standings and Promotions Committee.

- The Council of the Faculty of Medicine and Oral Health Sciences approves the principle that the means of assessing a student's progress and determining a student's grades may vary from one department to another in accordance with the nature of the course. Factors other than examination results may be used to a variable extent by instructors in determining grades but students will be informed at the commencement of the course how grades are to be determined.
- Students are advised at the beginning of each course, rotation, elective, selective and Phase of the procedures to be used in their evaluation, the determination and reporting of their grades, and the standards required by the Faculty. Students are also advised of the procedures for appeal established within the Faculty and the University.
- Students are awarded a grade point average (GPA) at the conclusion of Phases I, II, IIIA and IIIB of the program on the basis of their performance in course examinations held during the phase. In addition, students are assessed on the basis of a final comprehensive at the end of Phase IIIB). Furthermore, at the end of the MD program (at the end of Phase IIIB), a cumulative Phase III GPA is calculated which combines the Phase IIIA GPA with the marks from the Phase IIIB student internship program and the Phase IIIB comprehensive exam.
Students with a grade point average of less than 5.0 at the end of any one of Phases I, II, IIIA or IIIB will be required to withdraw from the MD program.
- Reexaminations**
 - Reexaminations of Courses:** Students with a grade point average (GPA) of less than 5.0 are not eligible for reexaminations. If a student has a GPA greater than or equal to 5.0, but has failed two or less courses with course weights less than or equal to 20% of the total course weights for the Phase, then the student will be allowed reexamination privileges in those courses. Their reexamination mark (as does a deferred mark) will replace the original final exam mark. Students are advised that it is not possible to make a ruling regarding reexamination until all grades for a term are recorded.
 - Reexamination of Comprehensive Examinations:** A student awarded reexamination privileges of the comprehensive examination will be required to obtain a revised GPA of at least 5.5 before being promoted.

- c. If a reexamination is approved, satisfactory completion of a remedial program may be required before being permitted to take the reexamination.
- d. A student neglecting to take a reexamination within the prescribed time period defined in the Calendar (§102.3.3) will not be allowed to continue in the program.
- e. A student repeating a year is not allowed reexamination privileges.
- f. The Faculty Office will contact the student regarding reexamination privileges and fees. The usual time for reexaminations is the end of July. All other regulations pertaining to reexaminations are as per University policy. See §23.5.5 of the University Calendar for further information.
- g. Requirement for Remedial Work:
 - 1) Students must satisfactorily complete theoretical, laboratory and clinical components of all courses within the MD program to obtain credit for those courses. Students failing to satisfactorily complete any of the above components will be required to repeat the courses in question or do remedials in those courses. Students who are absent for more than two days in any course in which attendance is compulsory will not be given credit for that course and will be asked to repeat the course.
 - 2) A student will be assigned a failing grade and be required to withdraw from the MD program prior to the completion of a course, rotation, or phase, if the student is performing at a level whereby patient safety is being jeopardized, as determined by the rotation coordinator and/or the Associate Dean, Undergraduate Medical Education. Such a student will not be readmitted into the MD program except at the sole discretion of the Dean or the Associate Dean, Undergraduate Medical Education.
- (5) No student will be allowed to proceed to any subsequent Phase of the medical program unless all the work of the previous Phase (I, II, IIIA or IIIB) is successfully completed.
- (6) No student will be allowed to repeat the Phase I of the MD program except in special circumstances approved by the Faculty.
- (7) A student permitted to repeat a failed Phase (I or II) who fails to obtain a satisfactory record (no failing courses) in the first term of that Phase will be required to withdraw from the MD program.
- (8) A student who is repeating a Phase will be required to withdraw from the MD program unless a grade point average of at least 5.5 is obtained on the work of the repeated Phase, and a passing grade achieved in all courses in that phase.
- (9) A student who has failed to meet promotional standards twice at any time in the MD program will be required to withdraw, and will not be readmitted into the MD program except at the sole discretion of the Dean or the Associate Dean, Undergraduate Medical Education.

102.2.4 BSc Program in Medical Laboratory Science

- (1) Promotion in the Medical Laboratory Science program is dependent on passing grades in all subjects of the previous year with a minimum grade point average of 5.0 as well as the following requirements:

Phase I

Each laboratory instructor will assess the competence in communication, comprehension, and technical skills of each student at four different times throughout the academic year. These assessments will be documented as a written evaluation which the student will be asked to sign. At the end of the Phase, the instructors will assign each student a pass or probationary rating based on these evaluations. Students with a GPA of 5.0 who have a majority of unsatisfactory technical ratings will be permitted to proceed into Phase II on probation. Students in Phase II who are on probation will be required to withdraw if they receive an unsatisfactory technical rating in any one course. Students entering Phase II with a majority of pass ratings from all the Phase I Medical Laboratory Science courses will be assessed as having satisfactory standing.

Phase II

For those Medical Laboratory Science courses with both technical and academic demands, the student must successfully complete the requirements of both components in order to receive a passing grade.

The competence in communication, comprehension, and technical skills of each student will be assessed by written evaluations in each discipline of each Medical Laboratory Science course. At least five evaluations are completed for each course by practising technologists/scientists. One of these evaluations is a composite completed at the end of the course and is worth 50% of the final technical assessment. The others are weighted equally and are worth 50%. Students must pass the technical component of each course with a mark of 50% or

better. Students who do not achieve this in any one course will be required to complete satisfactorily a remedial period of training in that course, or may be required to withdraw. A student will be allowed remedial training in only one course. Students who have entered Phase II on probation and who fail to achieve a mark of 50% in the technical component of any one course will not normally be allowed remedial training and will be required to withdraw.

- (2) The quota for Phase I students is 26.
- (3) **Reexamination:** See §23.5.5
- (4) A student permitted to repeat a course or an entire phase will be required to withdraw unless a minimum average grade of 6.0 is obtained on the repeated work.
- (5) Any student whose technical work or academic performance is deemed unsatisfactory may be required to withdraw from the Faculty.

102.3 Appeals and Grievances

Students may appeal academic standing decisions within the Faculty. There are informal ways to appeal as well as strict deadlines for submission of formal appeals. Students may obtain the Faculty's complete appeal regulations from the Undergraduate Medical Education office located in 2-45 Medical Sciences Building. Under certain conditions, an unsuccessful appeal within the Faculty may be carried to the General Faculties Council Academic Appeals Committee. See §23.8.

Students who have a grievance about a grade in an individual course taught in this Faculty should consult §23.8 of the Calendar, which describes the informal process for addressing concerns about grades. There is also a formal process in the Faculty for appealing a grade. This process, including deadlines for submission of an appeal, is set out in the Faculty's academic appeal regulations, which are available in the Faculty's Undergraduate Medical Education Office located in 2-45 Medical Sciences Building.

102.4 Professional Standards for Students in Oral Health Sciences

The University Code of Student Behaviour (§26) describes a range of non-academic and academic offences which are deemed unacceptable and for which a student may be penalized. Additionally, the Department of Oral Health Sciences has filed with the Campus Law Review Committee a list of offences which represent gross professional misconduct. The Department of Oral Health Sciences will act to initiate the most severe penalty permissible within the Code where a student has been found to be guilty of gross professional misconduct.

103 Programs of Study

103.1 DDS Degree

103.1.1 General Information

Curriculum

The Department of Oral Health Sciences offers a four-year (11 term) program of study leading to the degree of Doctor of Dental Surgery (DDS), following satisfactory completion (after senior matriculation) of at least two preprofessional years of university education. The preprofessional years provide the necessary background in inorganic chemistry, organic chemistry, biology, physics, the humanities, and social sciences.

In the dental curriculum, lecture and laboratory instruction in such fundamental subjects as Anatomy, Bacteriology, General Pathology, Physiology and Medicine are offered by the respective departments. The lectures, laboratories, seminars, and clinics offered by the Department of Oral Health Sciences relate and integrate these fundamental disciplines with the knowledge, skills, judgement, and performance required of the dental practitioner.

In addition to bedside and operating instruction in medicine and surgery, the senior students are assigned to the Dental Department and the Department of General Anaesthesia at the University Hospital. An experience in the General Practice Clinic, the Satellite Dental Clinic, and the Geriatric Youville Hospital is a requirement in the final year of the program. Thus students are afforded an opportunity to relate their field of health service to the science and art of preventing, curing, or alleviating disease in general.

Also required is a ★3 course in interdisciplinary studies which has been approved by the Department and is normally scheduled in the evening.

Information on programs of graduate study offered by the Faculty will be found in §184.

Library

The Medical Sciences reading room of the John W Scott Health Sciences Library contains a comprehensive selection of reference materials and textbooks on dentistry and related subjects. In addition, it contains most current dental journals in English and other languages, and the Index to Dental Periodical Literature, an index to all dental periodicals since 1839.

103.1.2 Course Requirements

The numbers following a course name which appear in columns below represent the number of hours spent in lectures, clinics, and laboratories.

Year 1	Term 1	Term 2	Intersession
ANAT 418 ★12	61.5-2c-38.5	46.5-4c-23	—
ANAT 419 ★2	—	34.5-0-0	—
BIOCH 412 ★6	48-0-0	48-0-0	—
PHYSL 411 ★6	68-0-0	68-0-0	—
MMI 422 ★2	28-0-0	—	—
OBIOL 303 ★4	—	60-0-0	—
DENT 300 ★0	0-8s-0	—	—
DENT 309 ★1	15-0-0	—	—
DENT 310 ★2	4-0-56	—	—
DENT 311 ★1	—	—	15-0-0
DENT 312 ★1.5	—	—	0-0-45
DENT 317 ★2.5	—	—	40-0-0
DENT 318 ★4.5	—	—	0-0-135
DENT 326 ★1	—	15-0-0	—
DENT 327 ★1.5	—	0-45c-0	—
DENT 332 ★1	15-6c-0	—	—
DENT 334 ★1	—	—	15-0-0
DENT 340 ★2	—	30-0-0	—
DENT 352 ★1.5	—	—	15-0-15
DENT 373 ★1	—	—	15-0-0
Year 2	Term 1	Term 2	Intersession
PATH 422 ★3	45-0-16	—	—
OBIOL 353 ★4	30-0-0	30-0-0	—
OBIOL 355 ★4	—	52-0-8	—
OBIOL 357 ★6	39-0-0	39-0-0	—
DENT 359 ★2	—	—	30-0-0
DENT 363 ★2	15-0-0	15-0-0	—
DENT 364 ★3	0-0-45	0-0-45	—
DENT 365 ★1	15-0-0	—	—
DENT 366 ★2	—	0-0-66	—
DENT 367 ★2	15-0-0	15-0-0	—
DENT 368 ★3	0-0-45	0-45c-0	—
DENT 371 ★2	26-0-0	4-0-0	—
DENT 372 ★4.5	0-0-72	0-4s-21	—
DENT 374 ★3	15-0-69	—	—
DENT 376 ★2	15-0-0	15-0-0	—
DENT 377 ★2.5	0-22c-0	0-45c-0	—
DENT 378 ★1	—	15-0-0	—
DENT 379 ★1.5	—	0-0-45	—
DENT 380 ★2	15-0-0	15-0-0	—
DENT 382 ★1.5	0-6c-0	15-6c-0	—
DENT 383 ★1	—	—	10-0-0
DENT 384 ★1	15-0-0	—	—
DENT 385 ★1	0-0-12	0-0-12	—
DENT 396 ★1	—	—	15-0-0
DENT 400 ★1.5	—	—	6-27c-0
DENT 401 ★6.5	—	—	0-198c-0
DENT 404 ★2	—	—	15-0-25
Year 3	Term 1	Term 2	Intersession
MED 434 ★1	—	15-0-0	—
INT D 410 ★3 (or equivalent)	0-39s-0	0-39s-0	—
DENT 413 ★2	15-0-0	15-0-0	—
DENT 414 ★4	0-45c-0	0-75c-0	—
DENT 415 ★1	15-0-0	—	—
DENT 416 ★2	0-39c-0	0-21c-0	—
DENT 417 ★1	15-0-0	—	—
DENT 418 ★5	0-50c-25	0-75c-0	—
DENT 421 ★2	30-0-0	0-0-0	—
DENT 422 ★5	0-75c-0	0-75c-0	—
DENT 423 ★1	—	15-0-0	—
DENT 424 ★0.5	2-0-0	2-0-0	—
DENT 426 ★2	15-0-0	15-0-0	—
DENT 427 ★3.5	0-60c-0	0-45c-0	—
DENT 428 ★1	15-0-0	—	—
DENT 429 ★2.5	0-45c-0	0-30c-0	—
DENT 430 ★2	15-0-0	15-0-0	—
DENT 431 ★3.5	0-30c-24	0-24c-21	—
DENT 432 ★1	15-0-0	—	—
DENT 433 ★1	0-21c-0	0-6c-0	—
DENT 435 ★0.5	0-6c-0	0-6c-0	—
DENT 438 ★2	15-0-0	15-0-0	—
DENT 439 ★1	0-15c-0	0-15c-0	—
DENT 442 ★1	—	15-0-0	—
DENT 443 ★2	5-0-30	0-0-24	—
DENT 445 ★1	—	15-0-0	—
DENT 451 ★11	—	—	0-350c-0
Year 4	Term 1	Term 2	Intersession
OBIOL 454 ★1	—	15-0-0	—
OBIOL 456 ★1	—	15-0-0	—
OBIOL 497 ★3	10-0-0	0-45s-0	—
DENT 466 ★1	0-18c-0	0-18c-0	—

Year 4 (cont'd)

DENT 467 ★1	—	15-0-0	—
DENT 473 ★1	15-0-0	—	—
DENT 474 ★0.5	2-0-0	2-0-0	—
DENT 475 ★2	0-30c-0	0-30c-0	—
DENT 477 ★2	0-45c-0	0-15c-0	—
DENT 478 ★1	15-0-0	—	—
DENT 479 ★1.5	0-18c-0	0-27c-0	—
DENT 480 ★1	15-0-0	—	—
DENT 481 ★2	0-39c-0	0-21c-0	—
DENT 482 ★2.5	30-12c-0	0-12c-0	—
DENT 483 ★3	0-21-0	0-24-0	—
DENT 485 ★0.5	0-9c-0	0-9c-0	—
DENT 488 ★2	15-0-0	15-0-0	—
DENT 489 ★1	0-15c-0	0-15c-0	—
DENT 490 ★2	15-0-0	15-0-0	—
DENT 492 ★2	15-0-0	15-0-0	—
DENT 493 ★2	5-0-30	0-0-24	—
DENT 495 ★14	0-210-0	0-210-0	—
DENT 496 ★1	0-9c-0	0-9c-0	—
DENT 499 ★3	0-38-0	0-37-0	—

103.2 Dental Hygiene Diploma

103.2.1 General Information

The Department of Oral Health Sciences offers a Diploma in Dental Hygiene. The objective of the Dental Hygiene Program is to facilitate the student's acquisition of knowledge and development of skills and attitudes so that they will be able to assume positions of responsibility in private dental practice or community health care settings.

The dental hygienist is an integral member of the health care team who strives to improve oral health by providing preventive and educational services to the public. Clinical dental hygiene services may include assessing patients' health status, inspecting hard and soft tissues of the oral cavity, removing deposits and stain from teeth, exposing and developing dental radiographs, applying topical fluorides, taking impressions for study models, and polishing amalgam restorations. Educational and management services for individuals and/or groups may include nutritional and oral hygiene counselling and community dental health program planning, implementation, and evaluation.

The Dental Hygiene curriculum includes courses from the Faculty of Medicine and Oral Health Sciences. Dental School faculty from other clinical and basic science departments provide lectures and instructional assistance in clinic and classroom. During second year, students participate in field experiences in a variety of community settings such as hospitals, schools, and facilities for the handicapped, chronically ill, and aged. An experience in an external clinic is a requirement.

Also required is a ★3 course in interdisciplinary studies which has been approved by the Department and is normally scheduled in the evening.

The Dental Hygiene Program is approved by the Councils of Dental Education of the Canadian Dental Association and of the American Dental Association. Successful students in the Dental Hygiene Program are encouraged to write the National Board Dental Hygiene Examinations of the American Dental Association.

Further details may be obtained from the Director of the Dental Hygiene Program, Faculty of Medicine and Oral Health Sciences.

103.2.2 Course Requirements

The numbers following a course name which appear in columns below represent the number of hours spent in lectures, clinics, and laboratories.

Year 1	Term 1	Term 2	Intersession
BIOCH 220 ★3	—	39-0-0	—
D HYG 200 ★3.5	43-0-4	—	—
D HYG 211 ★5.5	42-0-0	42-0-0	—
D HYG 212 ★6	0-0-180	—	—
D HYG 213 ★3	—	0-90c-0	—
D HYG 214 ★7.5	—	—	6-210c-0
D HYG 215 ★2	14-0-0	14-0-0	—
D HYG 216 ★1	—	14-0-0	—
D HYG 217 ★1	—	—	20-0-0
D HYG 220 ★3	—	28-0-26	—
D HYG 222 ★2	—	28-6-0	—
D HYG 230 ★1.5	20-6-0	—	—
D HYG 231 ★1	—	—	14-0-0
D HYG 232 ★1	—	14-0-0	—
D HYG 240 ★2	14-0-0	14-0-6	—
D HYG 241 ★1	—	—	0-12c-0
DENT 300 ★0	—	—	0-8s-0
MMI 422 ★2	28-0-0	—	—
OBIOL 202 ★4	30-0-0	30-0-0	—
PHYSL 210 ★6	39-0-0	39-0-0	—
Year 2	Term 1	Term 2	Intersession
D HYG 313 ★16	0-255-0	0-216-0	—
D HYG 316 ★2	14-0-0	14-0-0	—
D HYG 317 ★2	14-0-0	14-0-0	—
D HYG 320 ★2	23-0-16	—	—

Year 2 (cont'd)

D HYG 321 ★2	—	13-39-0	—
D HYG 322 ★2	14-0-0	14-0-9	—
D HYG 325 ★0.5	0-6-0	0-6-0	—
D HYG 326 ★2	14-3-0	14-3-0	—
D HYG 329 ★2.5	0-38-0	0-37-0	—
D HYG 340 ★2	0-38-0	0-10-0	—
D HYG 345 ★1	—	14-0-0	—
D HYG 386 ★1	15-0-0	—	—
D HYG 387 ★1.5	0-0-15	—	—
INT D 410 ★3	0-39s-0	0-39s-0	—
OBIOL 300 ★2	14-0-0	14-0-0	—
OBIOL 302 ★3	45-0-0	—	—
OBIOL 305 ★3	42-0-0	—	—

103.3 MD Degree**103.3.1 General Information**

The four-year program leading to the MD degree is conducted in four phases (I, II, IIIA and IIIB), each under the direction of an interdepartmental coordinating committee.

Phase I

An academic year (35 weeks) of the program in the basic medical sciences with an introduction to clinical medicine. Coordinator: Dr BR Stevenson.

Phase II

An academic year (35 weeks) of the program in clinical and related basic medical sciences taught in a body systems format within the context of the mechanisms and pathophysiology of human disease. Coordinator: Dr S Aaron.

Phase IIIA

An academic term (13 weeks, autumn term) of the program in more advanced clinical and related basic medical sciences taught in a body systems format within the context of the mechanisms and pathophysiology of human disease.

Phase IIIB

Phase IIIB is defined as the students internship component that commences when Phase IIIA ends, and lasts until the completion of the fourth year of the MD program. The Phase IIIB program includes a student internship of approximately 50 weeks, an elective program of approximately 12 weeks and a selective program of approximately 4 weeks developed by each individual student in consultation with the Undergraduate Medical Education Office. A wide range of approved elective and selective programs in all aspects of medical science, medical practice, and related areas is available.

During Phase IIIB each student is entitled to a four-week holiday period.

103.3.2 Course Requirements**Phase I (Year 1)**

1. ANAT 418 (233 hours)	7. MED 413 (36 hours)
2. BIOCH 412 (96 hours)	8. MED 414 (34 hours)
3. CO ME 411 (27 hours)	9. MED 417 (24 hours)
4. IMMUN 411 (32 hours)	10. PATH 411 (41 hours)
5. MED 410 (7 hours)	11. PMCOL 411 (16 hours)
6. MED 411 (95 hours)	12. PHYSL 411 (136 hours)

Phase II (Year 2)

1. CO ME 421 (18 hours)	9. OPHTH 421 (24 hours)
2. MED 422 (103 hours)	10. PAED 421 (36 hours)
3. MED 423 (119 hours)	11. PATH 421 (60 hours)
4. MED 425 (38 hours)	12. PMCOL 421 (80 hours)
5. MED 426 (29 hours)	13. PSYC 421 (34 hours)
6. MED 427 (12 hours)	14. SURG 421 (80 hours)
7. MMI 421 (136 hours)	15. SURG 422 (28 hours)
8. NEURO 421 (105 hours)	

Phase III (Years 3 and 4)

1. ANAES 446 (2 weeks)	13. MED 447 (16 weeks)
2. CO ME 431 (13 hours)	14. OB GY 431 (85 hours)
3. CO ME 432 (13 hours)	15. OB GY 446 (8 weeks)
4. F MED 446 (4 weeks)	16. ONCOL 431 (24 hours)
5. EMER 431 (19 hours)	17. PAED 431 (22 hours)
6. MED 431 (16 hours)	18. PAED 446 (8 weeks)
7. MED 432 (73 hours)	19. PMCOL 433 (23 hours)
8. MED 433 (16 hours)	20. PSYCI 446 (8 weeks)
9. MED 441 (36 hours)	21. RADDI 446 (2 weeks)
10. MED 442 (56 hours)	22. SURG 431 (16 hours)
11. MED 445 (2 weeks)	23. SURG 446 (10 weeks)
12. MED 446 (10 weeks)	

103.4 Honors in Research Program in Medicine

This program is designed for the student who is looking for in-depth exposure to research during medical school. (Each candidate is required to spend a minimum of 24 [approximately two summers] weeks of active involvement in a research project in order to fulfill the requirements of the Honors in Research program.) There is an application procedure, final report requirement, and a minimal GPA stipulation. The program is monitored by the Medical Sciences Committee and each student is supervised by a staff member. Successful students receive recognition on their transcripts and medical diplomas. For information please contact the Office of Research, Faculty of Medicine and Oral Health Sciences, 2J2 WC Mackenzie HSC.

103.5 The Degree of BSc in Medical Laboratory Science**103.5.1 General Information**

The Faculty of Medicine and Oral Health Sciences offers an undergraduate degree program in Medical Laboratory Science designed to meet the demand for more highly qualified research laboratory personnel, for senior and supervisory technologists in large hospitals, government, and private laboratories, and for teaching positions in various schools of medical laboratory technology. The Bachelor of Science in Medical Laboratory Science is a versatile degree that allows access to a multitude of advanced degrees and programs.

The preprofessional year, and Phase I and III of the program are normal university years. Phase II, beginning approximately July 1, consists of a period of clinical hospital laboratory training under the direct supervision of the Faculty of Medicine and Oral Health Sciences. If students are successful in their clinical phase, they are eligible to write certification examinations with the Canadian Society of Laboratory Technologists.

Note: Because individuals working in hospital laboratories run some risk of infection from materials which they will be handling, all students in the Medical Laboratory Science program must take a series of immunizations approved by the Office of the Dean of Medicine before beginning Phase I.

103.5.2 Program of Courses**Phase I**

1. MMI 240 (★6)	5. MLSCI 260 (★6)
2. MLSCI 230 (★3)	6. MLSCI 250 (★3)
3. MLSCI 235 (★1)	7. PHYSL 162 (★6)
4. MLSCI 270 (★2)	8. Arts Option (★3)

Phase II – Clinical Rotation (See Note 1)

1. BIOCH 203 (★3)	5. MLSCI 340 (★5)
2. BIOCH 205 (★3)	6. MLSCI 350 (★3)
3. MLSCI 320 (★3)	7. MLSCI 360 (★6)
4. MLSCI 330 (★5)	8. MLSCI 370 (★3)

Phase III (See Note 2)

1. ★12 chosen from: MLSCI 430,460, 465, 475, MMI 426 or 427 or 405 or 415; MMI 440	4. Project course: INT D 491 (★6) or 409 (★3) and Science option (★3) (see Note)
2. MLSCI 480 (★3)	5. Arts option (★6)
3. MLSCI 410 (★1)	6. Approved option (★3)

Notes:

- (1) During the Phase II clinical rotation, students will be assigned to hospital laboratories approved for this purpose by the Council of the Faculty of Medicine.
- (2) ★3 in a Science option are required if a ★3 project is attempted. ★0 in a science option are required if a ★6 project is attempted.

103.6 Honors in Research Program in Medical Laboratory Science

This program is designed for the student who is looking for in-depth exposure to research during Medical Laboratory Science education. Students wishing to pursue this program will have a minimum GPA of 7.5 in courses taken in the first and second phases of the program, and will have completed STATS 141, 151, 237, or equivalent. Students are required to spend one summer (16 weeks) plus complete a ★6 research course offered by the Division. All students will be under the supervision of a staff member who has shown a commitment to the project and to the financial support of the student for the summer months. The program is monitored by the PhD in Medical Sciences Committee. Successful students would receive recognition on their transcripts and degrees through the notation, "With Honors in Research." For information, please contact the Director, Division of Medical Laboratory Science, B-117 Clinical Sciences Building.

103.7 The Degree of Bachelor of Medical Science

The degree of Bachelor of Medical Science may be awarded to students in the MD program at the end of the second year of that program who have fulfilled the following requirements at this or another university:

First year

Two Science Courses
Three Arts or Science Courses

Second year

Two Science Courses
Three Arts or Science Courses

Third year

First year (Phase I) MD Program

Fourth year

Second year (Phase II) MD Program

Provided that

- (1) None of the courses in the first and second year have been used for credit toward another degree.
- (2) The program does not include more than seven junior arts or science courses.
- (3) The science courses include
 - a. ★6 or equivalent in Inorganic Chemistry;
 - b. ★6 or equivalent in Organic Chemistry;
 - c. ★6 or equivalent in Biology (may include Microbiology, Zoology, Genetics, Botany, Entomology, Bacteriology, Immunology);
 - d. ★6 or equivalent in Physics.
- (4) The Science options do not include first-year courses in physiology.
- (5) At least the final two years have been taken at the University of Alberta.
- (6) A grade point of 4.0 or better in all courses and a grade point average in each year of at least 5.0 or equivalent is presented.
- (7) Not more than two reexaminations have been written for the purpose of obtaining passing marks or raising the grade point average to the required 5.0.

103.8 Graduate Studies

The Faculty of Medicine and Oral Health Sciences offers Master's and PhD degrees, as well as a Postgraduate Diploma in Health Services Administration. The Department of Oral Health Sciences also offers an MSc Degree in Orthodontics. Details on these programs can be found in the Graduate Programs section of the Calendar, listed by the department.

103.9 Continuing Medical Education

The objective of the Division of Continuing Medical Education is to provide the practising physician with the opportunity to remain up-to-date in knowledge, skills and attitudes. The Division organizes a variety of postgraduate learning events for family practitioners and specialists. These include one- to three-day conferences in Edmonton or some resort area, regional conferences in outlying hospitals of central and northern Alberta, a telephone conference program to physicians in many smaller communities, an evening course series, major university based courses, clinical traineeships and distance learning programs, and a medical information service in the teaching hospitals of Edmonton. The Division co-sponsors teaching events with a variety of para-medical organizations if they appear to be relevant to the improvement of health care. The Division enjoys the support of the College of Family Physicians of Alberta, Alberta Health, and the Alberta Medical Association.

Inquiries regarding these programs should be directed to the Assistant Dean Director, Continuing Medical Education, 2J3 WC Mackenzie Health Sciences Centre, University of Alberta, Edmonton, T6G 2R7.

103.10 Continuing Oral Health Sciences Education

Courses are offered by the Department of Oral Health Sciences from time to time to provide a program of continuing education for the dental profession. A program outlining dates, course descriptions, participation, and length is prepared annually and distributed to the profession.

103.11 Postgraduate Medical Education

Postgraduate medical training is required as a component of achieving eligibility for licensure in Canada. Programs are operated by the University of Alberta in accordance with guidelines established by the College of Family Physicians of Canada and by the Royal College of Physicians and Surgeons of Canada.

Postgraduate training accredited by the College of Family Physicians of Canada is available under the auspices of the Department of Family Medicine. In addition to the standard two-year program required for certification in Family Medicine, a certificate program in Emergency Medicine, and a diploma program in Care of the Elderly are also available with an additional year of training.

Specialty programs accredited by the Royal College of Physicians and Surgeons of Canada include the following:

103.11.1 Primary Certification Programs

Anaesthesia
Anatomical Pathology
Cardiac Surgery
Dermatology
Diagnostic Radiology
Emergency Medicine
General Pathology
General Surgery
Haematological Pathology
Internal Medicine
Medical Microbiology
Neurology
Neurosurgery
Nuclear Medicine
Obstetrics and Gynaecology
Occupational Medicine
Ophthalmology
Orthopaedic Surgery
Otolaryngology
Paediatrics
Physical Medicine and Rehabilitation
Plastic Surgery
Psychiatry
Radiation Oncology
Urology

103.11.2 Certificate of Special Competence Programs

Cardiology
Endocrinology
Gastroenterology
Geriatric Medicine
Haematology
Infectious Diseases
Medical Oncology
Nephrology
Paediatric Cardiology
Paediatric Endocrinology and Metabolism
Paediatric Haematology
Paediatric Infectious Diseases
Pulmonary Medicine
Rheumatology

103.11.3 Accreditation Without Certification Programs

Critical Care Medicine
Neonatology

Inquiries regarding these programs should be directed to the Associate Dean, Postgraduate Medical Education, 2J2.18 WC Mackenzie Health Sciences Centre, University of Alberta, T6G 2R7

For those students seeking more academic careers, there are opportunities for combined clinical and MSc/PhD training through the Clinical Investigators Program. Further information may be obtained from the Office of Research, 2J2.11 WC Mackenzie Health Sciences Centre, University of Alberta, T6G 2R7

All postgraduate medical trainees are registered as graduate students in the Division of Postgraduate Medical Education of the Faculty of Medicine and Oral Health Sciences and are required to pay a program registration fee.

Application for entry-level postgraduate positions in all Primary Certification Programs is made through the Canadian Resident Matching Service (CaRMS) in the final year of medical school. Further information

may be obtained from the Canadian Resident Matching Service, #802, 151 Slater Street, Ottawa, Ontario K1P 5H3. Certificate of Special Competence and Accreditation Without Certification Programs require prior training in a Primary Certification Program. All international medical graduates will be required to pass the Evaluating Examination and Part I of the Qualifying Examination of the Medical Council of Canada. Information may be obtained from the Medical Council of Canada, Box 8234, Station T, Ottawa, Ontario K1G 3H7.

The requirements for a portable license valid in all Canadian provinces except Quebec are as follows:

- (1) An MD degree
- (2) The Licentiate of the Medical Council of Canada (LMCC), obtained after successfully passing Parts I and II of the Medical Council of Canada Qualifying Examination (MCCQE). Part I is written in May of the final year of medical school. Part II is written after having completed 12 months of postgraduate clinical training.
- (3) Certification from either the College of Family Physicians of Canada or the Royal College of Physicians and Surgeons of Canada.

Further information regarding licensure can be obtained from the College of Physicians and Surgeons of Alberta, #900, 10180-101 Street, Edmonton, Alberta T5J 4P8.

104 Courses

Faculty of Medicine and Oral Health Sciences courses are listed in §211, Course Listings, under the following subject headings:

Anaesthesia (ANAES)
 Cell Biology and Anatomy (ANAT)
 Biomedical Engineering (BME)
 Biochemistry (BIOCH)
 Clinical Medicine (CM)
 Community Health (CO ME)
 Dentistry (DENT)
 Dental Hygiene (D HYG)
 Electrical Engineering/Applied Sciences in Medicine (EE BE)
 Family Medicine (F MED)
 Health Services Administration and Community Medicine (H S A)
 Medical Laboratory Science (MLSCI)
 Medical Microbiology and Immunology (MMI)
 Medicine (MED)
 Medicine, Interdepartmental (INT D and MED)
 Neuroscience (NEURO)
 Obstetrics and Gynaecology (OB GY)
 Oncology (ONCOL)
 Ophthalmology (OPHT)
 Oral Biology (OBIO)
 Paediatrics (PAED)
 Pathology (PATH)
 Pharmacology (PMCOL)
 Physics/Applied Sciences in Medicine (PH BE)
 Physiology (PHYSL)
 Postgraduate Medical Education (PGME)
 Psychiatry (PSYCI)
 Public Health Sciences (PHS)
 Radiology and Diagnostic Imaging (RADDI)
 Surgery (SURG)