



Carver College of Medicine

Guide to Specialty-based Pathways

2023-2024

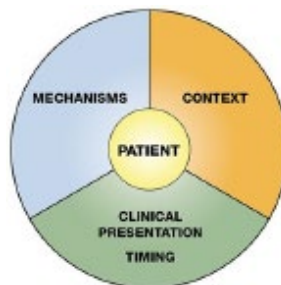


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Last revised 9/12/2023

Introduction

The Clinical Experiences Committee (CEC) developed this guide to assist in student career planning and advising as well as student planning and scheduling for Phase III of the College of Medicine curriculum. This information is also useful for the Office of Student Affairs and Curriculum (OSAC) and individuals in different specialties involved with student career advising. In addition, it helps guide development and implementation of our continuously evolving Phase III curriculum components. The CEC intends that this be a living document that is updated annually in June of the academic year.

The material in each specialty section is presented in a standardized format consisting of three components: recommended specialty-specific electives, broad-based education electives and special considerations. These components are sub-divided into different types of elective experiences. The document is not intended to provide a comprehensive listing of all CCOM electives but rather to provide examples of the types of electives students should consider.

Administrators, faculty and students using this document should understand that the elective recommendations contained herein should be used as a guide. There is no single path to successful preparation for a residency in any specialty. Many factors, in addition to the courses and electives that students complete, determine the outcome of the match process. Students should feel free to consider other electives and to discuss these with OSAC deans, faculty directors of the learning communities and faculty in the specialties under consideration-Specialty Specific Faculty Advisors (SSFAs).

In mapping out the selection of advanced electives as well as the timing of these experiences, students are encouraged to meet with and discuss their selections with the Faculty Directors of their Learning Communities and with the faculty contacts for the specialties under consideration (see the SSFA Contact List by Specialty). Understandably, both parties are likely to focus on the menu of electives in the “Recommended Specialty Specific Experiences” (identified by capitalized letters of the specific specialty, e.g. DERM). A major goal for the CCOM is that all graduating students receive a broad based medical education. To this end, the CEC has developed “traffic rules” stipulating that student selection of specialty specific courses be limited to no more than four experiences - this equates to a limit of 16 weeks of advanced clerkships offered through one specific department. However, the following advanced clerkship types do not count against these 16 weeks: required Advanced Inpatient Sub-Internships, required Critical Care/ICU clerkships, research blocks, or COC (Continuity of Care) clerkships.

When choosing electives, students should consider how a given selection will help their continued growth. This is best achieved through self-assessment of individual gaps in knowledge or skills. Data available for this purpose include:

- topic performance on practice examinations, shelf-examinations and USMLE Step 1;
- core and selective clerkship clinical evaluations;
- academic record maintained by OSAC;
- performance on Integrated Clinical Assessment Program (ICAP) assessments to date (Semester I, II and III, Core OSCEs and phase III assessments);
- Clerx RCE patient inventory.

Entrustable Professional Activities (EPAs): Attention should also be given to how a specific elective might help students progress toward competency in one or more of the 13 EPAs identified and developed by the Association of American Medical Colleges (AAMC).

AAMC Entrustable Professional Activities (EPAs)		
#1: Gather a history and perform a physical examination	#6: Provide an oral presentation of a clinical encounter	#10: Recognize a patient requiring urgent or emergent care and initiate evaluation and management
#2: Prioritize a differential diagnosis following a clinical encounter	#7: Form clinical questions and retrieve evidence to advance patient care	#11: Obtain informed consent for tests and/or procedures
#3: Recommend and interpret common diagnostic and screening test	#8: Give or receive handover to transition care responsibility	#12: Perform general procedures of a physician
#4: Enter and discuss orders and prescriptions	#9: Collaborate as a member of an interprofessional team	#13: Identify system failures and contribute to a culture of safety and improvement
#5: Document a clinical encounter in the patient record		

NRMP Program Directors' Survey

Collegiate data is provided in the tables at the end of this document and is complementary to that provided in the NRMP Program Directors' survey.

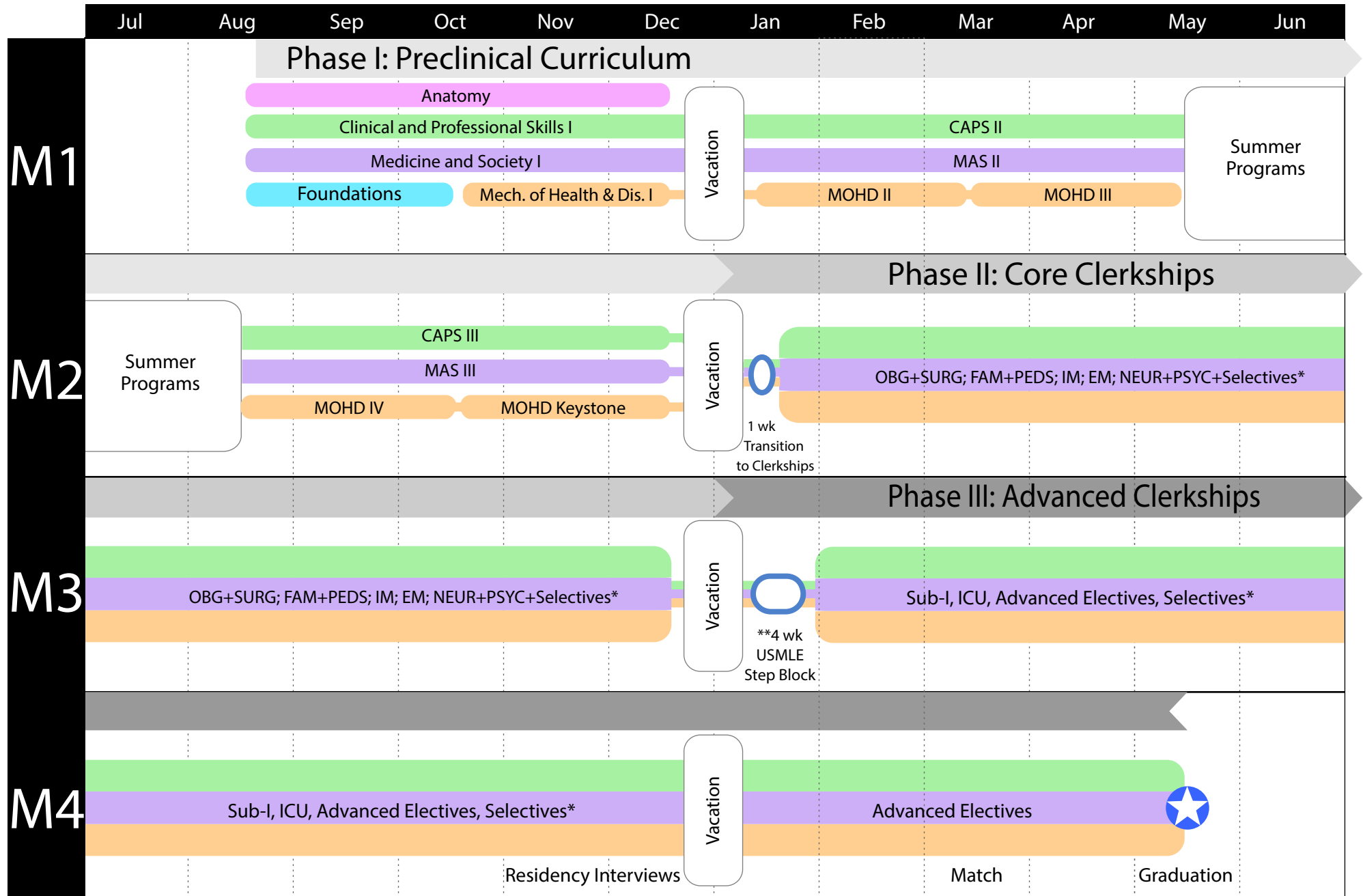
https://www.nrmp.org/wp-content/uploads/2022/09/PD-Survey-Report-2022_FINALrev.pdf

Predicted Match Probability (PMP) Calculator

CCOM developed this custom tool to assist you. When you enter your available credentials, it will produce a % chance of matching in a chosen specialty.

<https://webapps1.healthcare.uiowa.edu/PMPCalc>

Carver College of Medicine - Doctor of Medicine Curriculum



*Selectives=ANES, DERM, OPHT, ORTH, OTO, RAD, or URO

**Step 1 and 2 can be done in either order and must be completed by Dec. 31 of M4 year

CLINICAL YEARS REQUIREMENTS
University of Iowa Carver College of Medicine
Class of 2025

Transition to Clerkships	1 week: January 3 - 6, 2023 (attendance is mandatory)
2023 Core Clinical Year	48 schedulable weeks
USMLE Study Block	4 weeks: January 15 - February 11, 2024
2024 - 2025 Advanced Clinical Years	62 schedulable weeks
	115 Total Weeks

Requirements:

1 @ 1 weeks Transition to Clerkships

Core Clerkships = 44 weeks

4 @ 6 weeks	Family & Community Medicine; Pediatrics (12 weeks scheduled together)
	Obstetrics/Gynecology; Surgery (12 weeks scheduled together)
1 @ 10 weeks	Internal Medicine (12 weeks scheduled together w/1 selective)
2 @ 4 weeks	Psychiatry & Neurology (12 weeks scheduled together w/ EM and 1 selective)
1 @ 2 weeks	Emergency Medicine

Selective Clerkships = 10 weeks (must complete 10 weeks between the Core and Advanced years, which includes the 4 weeks in the above Core)

5 @ 2 weeks Choose 5: Anesthesia, Dermatology, Ophthalmology, Orthopaedics,
Otolaryngology, Radiology, Urology

Advanced Clerkships = 40 weeks

1 @ 4 weeks	Advanced Inpatient Sub-Internship
1 @ 4 weeks	Critical Care
32 weeks	Advanced Electives
Arranged	Self-Directed Learning in Advanced Clinical Topics (online course)

110 Total schedulable weeks

94 Total weeks of Core & Advanced Clerkships

16 Flexible Weeks

Over the 2 1/2 clinical years, a total of 16 flex weeks are available to prepare for and schedule USMLE Step 2 Clinical Knowledge exam, residency interviews, conferences, or other personal events. Students usually reserve these 16 weeks for their Advanced Clinical years.

The Family and Community Medicine clerkship sites are throughout the state of Iowa, and also including the Regional Medical Education Centers (Iowa City, Davenport, Des Moines, Mason City, Sioux City and Waterloo).

All other core and selective clerkships must be done at UIHC or the Des Moines campus. The Advanced Inpatient Sub-Internship must be done in the state of Iowa from the approved A.I. Sub-I list. The Advanced Elective requirements may be done elsewhere in the United States/world if the necessary paperwork and requirements are met.

Scheduling of the Advanced Clinical years will be done in September 2023.

Graduation: Friday, May 16, 2025

CLASS OF 2025 — Advanced Years (24-25)

A.I. Sub-Internship
Critical Care
32 weeks Electives
 (additional selectives count
 towards electives)

Selectives (10 weeks)
Anesthesia (2)
Dermatology (2)
Ophthalmology (2)
Orthopaedics (2)
Otolaryngology (2)
Radiology (2)
Urology (2)

Week of:

1/15/2024

1/22

1/29

2/5

2/12

2/19

2/26

3/4

3/11

3/18

3/25

4/1

4/8

4/15

4/22

4/29

5/6

5/13

5/20

5/27

6/3

6/10

6/17

6/24

7/8

7/15

7/22

7/29

8/5

8/12

8/19

8/26

9/2

9/9

9/16

9/23

9/30

10/7

10/14

10/21

10/28

11/4

11/11

11/18

11/25

12/2

12/9

12/16

USMLE BLOCK - STEP 1 or STEP 2 CK	
2/12	2/12
	2/26
3/11	3/11
	3/25
4/8	4/8
	4/22
5/6	5/6
	5/20
6/3	6/3
	6/17
6/29/2024 – 7/7/2024 BREAK WEEK	
7/8	7/8
	7/22
8/5	8/5
	8/19
9/2	9/2
	9/16
9/30	9/30
	10/14
POSSIBLE INTERVIEWS	
10/28	10/28
ANTICIPATED RESIDENCY INTERVIEWS (8 FLEX WEEKS)	11/11
	11/25
11/25	11/25
	12/9
12/21/2024 – 1/12/2025 WINTER BREAK 3 WEEKS	

CLASS OF 2025 — Advanced Years (24-25) (continued)

A.I. Sub-Internship
Critical Care
32 weeks Electives
 (additional selectives count
 towards electives)

Selectives (10 weeks)
Anesthesia (2)
Dermatology (2)
Ophthalmology (2)
Orthopaedics (2)
Otolaryngology (2)
Radiology (2)
Urology (2)

Week of:

1/13/2025

1/20

1/27

2/3

2/10

2/17

2/24

3/3

3/10

3/17

3/24

3/31

4/7

4/14

4/21

4/28

5/5

5/12

1/13	1/13
	POSSIBLE INTERVIEWS
2/10	1/27
	2/10
3/10	2/24
	3/10
4/7	3/24
	4/7
VACATION IF DONE WITH ALL CLERKSHIPS (2 FLEX WEEKS)	4/21
	5/5

Graduation - Friday May 16, 2025

Phase III Events, Timing and Sequence: The CCOM Perspective

January-June M3 year

- January 1 to about the end of the first week in February:
 - M3s study for and take Step 1 or Step 2
- Around the second week of February to the end of June
 - Confirm career choice through elective selections
 - Aim to complete at least two 2-week electives
- March-May
 - Follow-up with Specialty-Specific Faculty Advisor (SSFA) for meeting to review upcoming schedule and M4 year planning discussion
- May-June
 - Begin taking intense, high level of supervised independence electives (cf. Specialty – based Pathways section of this document)
 - Students interested in EM should consider completing at least one of their required away rotations

June-December M4 year

- Complete any remaining 2-week selectives
 - USMLE through Step 2 must be completed by the end of December, but ideally by late August in preparation for residency applications
- June- gearing up for Match process
 - Two biggest items:
 - Letters of Recommendation
 - Writing personal statements
- June-mid-August: Schedule and complete MSPE meeting
- July and August:
 - Complete material for Match
 - ERAS
 - CV and personal statement
 - Letters of Recommendation+
- September
 - Students upload ERAS portfolio by in early September
 - Programs download applications starting late September
- Late September: MSPE uploaded
- Second-half of October through mid-December: interview season
- December: results of military Match

January-May M4 year

- Complete remaining graduation requirements: CCOM policy is that M4s should NOT be taking 2- week selectives during this block
- January:
 - Final interviews may continue (Dermatology in particular)
 - Early Match results: Ophthalmology and Urology
- February: Rank order lists due
- Mid-March: Match Week
- Mid-May: Graduation

Specialty-Specific Faculty Advisors

Department Advisors	Advisor E-Mail	Advisor Phone Number
Des Moines		
Dr. Ken Cheyne	ken.cheyne@unitypoint.org	515-241-4455
Anesthesia		
Dr. Katherine Keech	katherine-keech@uiowa.edu	319-384-9273
Cardiothoracic Surgery		
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Dr. Adeola Odugbesi	adeola-odugbesi@uiowa.edu	

Anesthesiology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Understanding airway, neuraxial, upper/lower extremity neuro-vascular anatomy is vital in the field of anesthesiology	Timing will vary
Specialty Specific Experiences <i>Recommend high priority/preference be given to ANES:8401. See Special Considerations section relative to ANES:8497 and ANES:8499.</i>	ANES:8401 Clinical Anesthesia Senior Elective	Will increase student exposure to field of anesthesiology, provide opportunity to see subspecialty cases and write an academic project. The student may choose to work with a mentor to get letter of recommendation	Jan M3 year through Aug M4 year
	ANES:8497 Anesthesia Research (Recommended)	This elective will help student understand the process of research. It will also provide opportunity to publish and present their work at the national conference. Student may request mentor to provide letter of recommendation.	Jan M3 year through May M4 year
	ANES:8499 Anesthesia Off-Campus		May M3 year through October M4 year
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	ANES:8402 Intensive Care (SNICU)	Will help student understand management of critically ill patients. The student can work with a mentor to get letter of recommendation	Ideally, student would complete at least one of these during the block of time May of the M3 through August of the M4 year.
	IM: 8424 Pulmonary Disease- MICU	This rotation will provide preparation for intern year and improve judgement skills	
	IM: 8401 Internal Medicine Advanced Inpatient Sub-Internship	These rotations will provide preparation for residency and teach skills of patient care and time management	
	SURG:8402 Surgery Advanced Inpatient Sub-Internship		

Anesthesiology Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	ANES:8403 Chronic Pain Management	These rotations will increase student acumen and prepare them to take care of a wide range of patients.	Timing will vary
	NEUR:8401 Advanced Inpatient Neurology		
	IM:8428 Nephrology		
	OTO:8301 Otolaryngology		
	PSYC:8411 Substance Abuse		
	PATH:8404 Transfusion Medicine		
Advanced Skills	IM:8413 EKG/Ultrasound (2 wk)	These rotations will prepare student for residency	Timing will vary
	EM:8401 Advanced Life Support (4 wk)		Fall M4 year
Other	MED:8480 Global Health Clerkship (4 wk)	These electives can be taken as per the student's interests.	Timing will vary

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research			X	
Anesthesia Externship: a year-long work experience during M4 year			X	

Cardiothoracic Surgery Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advance Human Anatomy	Anatomy of the thorax is central to cardiothoracic surgery.	Spring M3 or M4 year
	ACB:8402 Teaching Elective in Regional Anatomy		
Specialty Specific Experiences	SURG:8406 General Surgery, Iowa Methodist		May M3 through August M4 year
	SURG:8401 Advanced General Surgery		
	SURG:8460 Surgical Residency Preparation		Spring M4 year
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	CTS:8401 Advanced Inpatient Sub-Internship Cardiothoracic Surgery	Provides exposure to the full spectrum of cardiothoracic surgery	May M3 through August M4 year
	ANES:8402 Intensive Care (SNICU)	Critical care is an essential component of cardiothoracic surgical practice	M4 year

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	IM: 8412 Clinical Cardiology		
	IM: 8426 Pulmonary Disease- Consultation Service		
Advanced Skills	IM: 8413 EKG & Vascular Ultrasound		
	RAD:8401 Advanced Clinical Radiology		
Other	None		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research			X	

Dermatology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Provides students with an understanding cutaneous anatomy, pathology, and pathophysiology	Timing can vary
	PATH:8402 Hematopathology Clerkship		
	PATH:8403 Surgical Pathology		
Specialty Specific Experiences ** =High Priority/Preference	DERM:8401 Dermatology Elective**		Feb of M3 year - May of M4 year
	DERM:8497 Research in Dermatology**		Feb of M3 year - Oct of M4 year
	DERM:8499 Dermatology Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	IM: 8401 or IM: 8451 Advanced Inpatient Sub-Internship Internal Medicine	Ability to engage in patient care at a high level of supervised independence +/- suturing skills.	Timing can vary
	SURG:8402 Advanced Inpatient Sub-Internship Surgery		
	FAM:8401, FAM:8406, FAM:8409, FAM:8412 or FAM:8417 Advanced Inpatient Sub-Internship Family Medicine		

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	PEDS: 8406 Pediatric Pulmonology	Provide an understanding of importance of general medicine in dermatology; appreciation of interface of skin and systemic disease, or additional surgical skills.	Feb of M3 year - Oct of M4 year
	IM:8410 Clinical Allergy-Immunology		
	IM:8434 Clinical Rheumatology		
	IM:8418 Hematology Oncology		
	IM:8422 Clinical Infectious Disease		
	SURG:8401 Advanced General Surgery (e.g., Plastic Surgery Elective)		
Advanced Skills	None		
Other	None		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research			X	

Emergency Medicine Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty			
Specialty Specific Experiences <i>EM:8402 and EM:8499 are required for students intending to go into Emergency Medicine and 8401 is highly recommended. Selection of any of the 4 remaining EM electives is optional but limited to one by CCOM policy.</i>	EM:8402 Advanced Emergency Medicine, UIHC	See explanatory note in Special Considerations section.	Spring M3 or very early M4
	EM:8499 Emergency Medicine Off-Campus	See explanatory note in Special Considerations section.	M4 year prior to Oct
	EM:8401 Advanced Life Support	See explanatory note in Special Considerations section.	July of M4 year
	PEDS:8405 Peds Emergency Room, Blank Children's Hospital		Timing will vary
	EM:8403 Wilderness Medicine		Timing will vary
	EM:8411 Medical Toxicology, UIHC	Provide a foundation for the assessment and management for a variety of toxic substances including medications, illicit drugs, or plant/pest exposures. This subspecialty incorporates continuity from the pre-hospital setting, into the emergency department, and to all inpatient services. Additionally there are consultations from outpatient providers and close collaboration with different public health departments.	Timing will vary
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	Any advanced inpatient sub-internship	Collegiate requirement - EM has no preferred recommendation.	Timing will vary
	ANES: 8402 Intensive Care (SNICU)		Before Oct if planning on doing Anesthesia externship

Emergency Medicine Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	IM: 8412 Clinical Cardiology	These rotations will increase students' acumen and prepare them to take care of a wide range of patients.	Timing will vary
	ORTH:8402 Sub-Internship Orthopedics- Trauma		
	PSYC:8414 Consultation Psychiatry		
	ANES:8401 Clinical Anesthesia Senior Rotation		
Advanced Skills	IM: 8413 EKG and Vascular Ultrasound	These electives will provide exposure to skills that are important for success in residency.	Timing will vary
	RAD:8401 Advanced Clinical Radiology		
Other			

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation	For EM, 2 Standard Letters of Evaluation (E-SLOEs) are necessary. Departmental SLOEs carry the most weight. One letter needs to be from UIHC. This can be obtained from the UIHC Advanced EM Clerkship. If completing the ALS month course, that will be included in the E-SLOE as well. Students need an away rotation in EM to obtain a 2nd.	X		
	E-SLOE. Ideally the away rotation occurs after ALS (8401) rotation at UIHC. It is strongly recommended to complete the Advanced Emergency Medicine rotation (8402) prior to completing an away rotation.			
Research				X

Family Medicine Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty			
Specialty Specific Experiences <i>recommend 1 or more of 5</i>	Family Medicine Clerkship: FAM:8402 Iowa City FAM:8408 Broadlawns FAM:8411 Davenport FAM:8416 Sioux City FAM:8419 River Crossing FAM:8420 Mason City FAM:8499 Off Campus	Outpatient clinic electives (in longitudinal or block format) will provide educational experiences that allow students to explore the common presentations in a family medicine clinic, establish relationships with preceptors and patients, and explore the field of family medicine as a career option.	Feb-June
	FAM:8450 Continuity of Care		
	FAM:8421 Primary Care Sports Medicine	Musculoskeletal complaints and their management are common presentations in family medicine clinics. This rotation uniquely allows students to learn about the medical and procedural management of common musculoskeletal problems in athletes, children, and adults. It also introduces students to optional HS and collegiate team coverage.	
	FAM:8405 Geriatrics	Caring for elderly patients provides enhanced experiences in management of complex patients, multiple comorbidities, and polypharmacy while learning about the aging process.	
	FAM:8422 Family Medicine/Psychiatry	Family physicians provide a majority of the mental health care in the outpatient setting. This rotation allows students to learn about the management of common mental health conditions.	
	FAM:8427 Maternity Care	This rotation allows for students to gain more experience providing outpatient prenatal care, intrapartum care on the labor and delivery unit, postpartum care, and newborn care through the lens of a family medicine provider while also allowing continuity of care of entire families.	
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	Family Medicine Advanced Inpatient Sub-Internship: FAM:8401 Iowa City FAM:8409 Iowa Lutheran (Des Moines) FAM:8412 Davenport FAM:8415 Sioux City FAM:8417 Waterloo FAM:8425 Algona	Caring for hospitalized patients with a wide array of illnesses and conditions allows students to explore the scope of family medicine while attending to the biopsychosocial factors that impact health and disease.	Timing will vary

Family Medicine Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	Emergency Medicine EM:8404 Emergency Medicine, St. Luke's, CR EM:8405 Rural Emergency Medicine, Burlington EM:8406 Emergency Medicine, Broadlawns EM:8407 Emergency Medicine, Waterloo EM:8499 Emergency Medicine, Off-Campus	Family Physicians provide comprehensive care to patients using a holistic approach. A wide variety of educational experiences will prepare students for residency training in family medicine. Students are encouraged to select electives that fulfill knowledge or skill deficits and/or align with individual interests or career plans within the diverse field of family medicine.	Timing will vary
	Internal Medicine IM: 8410 Clinical Allergy/Immunology IM: 8412 Clinical Cardiology IM: 8414 Clinical Endocrinology IM: 8416 Clinical Gastroenterology-Hepatology IM: 8422 Clinical Infectious Disease IM: 8424 Pulmonary Disease- MICU IM: 8426 Pulmonary Disease- Consultation Service IM: 8428 Adult Nephrology IM: 8435 Palliative Care		
	Obstetrics & Gynecology OBG:8407 Family Planning OBG:8405 Urogynecology		
	Psychiatry PSYCH:8403 Adult Outpatient Psychiatry PSYCH:8404 Women's Wellness & Counseling Service PSYCH:8411 Substance Use		
	ANES:8403 Chronic Pain Management		
	PEDS:8417 Community Pediatric Outpatient		
	ORTH:8405 Physical Medicine & Rehabilitation		
	MED:8480 Global Health Clerkship		
Advanced Skills	IM:8413 EKG & Vascular Ultrasound		Timing will vary
Other	Prioritized Selectives: Dermatology, Otolaryngology, Radiology		Timing will vary
	MED:8405 Leadership for Future Physicians		
	MED:8401 Medicine, Literature, and Writing		
	MED:8403 Teaching Skills for Medical Students		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X

Internal Medicine Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	None		
Specialty Specific Experiences <i>recommend 2-4</i>	IM: 8410 Clinical Allergy/Immunology (2 or 4 wks)	Experiences in specialty areas of internal medicine will help students further develop the knowledge and skills required to care for complex patients in both the inpatient and ambulatory settings. These experiences may also provide insight into career choices as well as result in mentorship opportunities. Outpatient clinic electives (in longitudinal or block format) will provide educational experiences that allow students to explore common, and establish relationships with preceptors and patients.	Complete by September of M4 year
	IM: 8412 Clinical Cardiology		
	IM: 8414 Clinical Endocrinology (2 or 4 wks)		
	IM: 8416 Clinical Gastroenterology Hepatology (2 or 4 wks)		
	IM: 8418 Hematology Oncology (2 or 4 wks)		
	IM: 8422 Clinical Infectious Disease (2 or 4 wks)		
	IM: 8426 Pulmonary Disease- Consult Service (2 or 4 wks)		
	IM: 8428 Adult Nephrology (2 or 4 wks)		
	IM: 8434 Clinical Rheumatology (2 or 4 wks)		
	IM: 8435 Palliative Care		
	IM: 8454 Internal Medicine Consult Service, Iowa Methodist, Des Moines		
	IM: 8456 Clinical Cardiology, Iowa Methodist, Des Moines		
	IM: 8457 Clinical Nephrology, Iowa Methodist, Des Moines		
	IM: 8450 Continuity of Care in Outpatient Internal Medicine		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	IM: 8401 Advanced Inpatient Sub-Internship in Internal Medicine	These rotations allow for graduated responsibility in caring for hospitalized and critically ill patients as well as interactions with interprofessional healthcare providers.	Complete subinternship by August of M4 year
	IM: 8451 Advanced Inpatient Sub-Internship Internal Medicine, Iowa Methodist Medical Center, Des Moines		
	IM: 8424 Pulmonary Disease- Medical Intensive Care Unit		
	IM: 8453 Medical ICU, Iowa Methodist, Des Moines		
	IM: 8495 Internal Medicine Critical Care Off-Campus		

Internal Medicine Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	IM: 8437 Multidisciplinary Cancer Care	As general internists, residents will encounter a diverse set of patient problems and need to effectively communicate with others involved in the care of patients, including consultants. These rotations will help further develop the clinical and communication skills and deepen the knowledge needed to effectively care for patients.	Timing will vary
	ANES:8401 Clinical Anesthesia Senior Rotation		
	DERM:8401 Dermatology Elective		
	FAM:8405 Family Medicine Geriatrics (2 or 4 wks)		
	FAM:8421 Primary Care Sports Medicine		
	NEUR:8401 Advanced Inpatient Neurology (2 or 4 wks)		
	NEUR:8402 Advanced Outpatient Neurology (2 or 4 wks)		
	ORTH:8404 Intro to Physical Medicine and Rehabilitation		
	PSYC:8401 Adult Inpatient Psychiatry		
	PSYC:8403 Adult Outpatient Psychiatry (2 or 4 wks)		
	PSYC:8404 Women's Wellness and Counseling Service		
Advanced Skills	IM: 8413 EKG & Vascular Ultrasound	EKG and Xray interpretation are two skills necessary for the practice of internal medicine. Point of care ultrasound is increasingly being used to assist with diagnosis and to perform bedside procedures. These rotations promote the development of advanced skills.	Timing will vary
	RAD:8401 Advanced Clinical Radiology (2 or 4 wks)		
	EM:8401 Intro to Advanced Life Support Skills		Fall M4 year
Other	IM: 8455 Public Health Medicine, Des Moines	These rotations offer experiences in leadership, research and service as well as opportunities to engage in different practice settings.	Timing will vary
	IM: 8498 Internal Medicine On-Campus (research)		
	IM: 8499 Internal Medicine Off-Campus		
	MED: 8405 Leadership for Future Physicians		
	MED: 8480 Global Health Clerkship (4, 6 or 8 wks)		
	MED:8403 Teaching Skills for Medical Students		
	MED: 8404 Advanced Teaching Skills for Medical Students		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X

Neurology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Recommended Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	The practice of neurology requires a strong knowledge of neuroanatomy in addition to the understanding of mechanisms of illness. A more in-depth neuroanatomy review prior to entering a neurology residency supports this goal.	Spring M4 year
Specialty Specific Experiences <i>recommend 1 of 5</i>	NEUR:8401 Advanced Inpatient Neurology	Offers a blend of both stroke and non-stroke, customized to the student. Serves to increase experience and confidence in localization, neurological exam skills, care of complicated medical patients, and development of in-depth understanding of neurological ailments. For those not applying to neurology; optional for students who are doing the Adv Inpt Sub-I.	January of M3 year to August of M4 year
	NEUR:8402 Advanced Outpatient Neurology	The schedule for the student is tailored to fields the student is interested in order to achieve this goal.	
	NEUR:8498 Neurology On-Campus	Customized for very specific neurology exposure experience (IE neurological research or outpt experience). These courses should not be used to help with career decision, but instead used for additional learning if other recommended experiences are already completed	January of M3 year to May of M4 year
	NEUR:8499 Neurology Off-Campus		
	PEDS:8410 Pediatric Neurology	Recommended for students interested in entering pediatric neurology or gaining more experience in pediatric neurology.	
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	NEUR:8404 Advanced Inpatient Sub-Internship Neurology	Intensive course on inpatient stroke service. Serves to increase experience and confidence in localization, neurological exam skills, care of complicated medical patients, and development of in-depth understanding of neurological ailments. Required for Neurology applicants.	January-June of M3 year
	IM: 8424 Pulmonary Disease- Medical Intensive Care Unit		January of M3 year to August of M4 year
	ANES:8402 Intensive Care (SNICU)		

Neurology Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	IM:8422 Clinical Infectious Disease	A broad medical knowledge base is crucial for the neurologist as well. It is common for a neurologically ill patient to have many medical problems or have a medical illness that affects neurological tissue. Thus, a broad base of knowledge aids not only in the care of your patient, but also in the formation of the neurological differential diagnosis.	Feb M3 year-June of M4 year
	IM:8428 Adult Nephrology		
	IM:8414 Clinical Endocrinology		
	IM:8412 Clinical Cardiology		
Advanced Skills	None		
Other	EM:8411 Medical Toxicology FAM:8405 Geriatrics IM: 8434 Clinical Rheumatology IM: 8435 Palliative Care ORTH:8404 Into to PM&R ORTH:8416 Inpatient Rehab Preferred Selectives: Ophthalmology; Otolaryngology; Radiology		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X

Neurosurgery Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Knowledge of normal and abnormal anatomy is critical for surgery	Timing will vary
Specialty Specific Experiences	NSG:8401 Sub-Internship Neurosurgery	Intensive, immersive experience into Neurosurgery	July / August 4th year
	NSG:8497 Research Neurological Surgery	Opportunity for valuable, neuroscience-specific basic science and clinical research experiences	Sept - Nov 4th year
	NSG:8499 Neurosurgery Off-Campus (Away Sub-I)	Opportunity to see Neurosurgery in a different practice environment	August / Sept 4th year
	SURG:8401 Advanced General Surgery	Opportunities to gain urgent, critical, and peri-operative care experiences	Timing will vary
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	SURG:8402 Advanced Inpatient Sub-Internship Surgery	Opportunities to gain urgent, critical, and peri-operative care experiences	Timing will vary
	ANES:8402 Intensive Care (SNICU)		

Broad-based Education Electives			
Experiences Complementary to Specialty	IM:8435 Palliative Care	Rotations available to gain knowledge and skills pertinent to clinical neuroscience and patient management in a typical, diverse neurosurgical practice, covering all ages of patients and acuity of illness	Timing will vary
	NEUR:8401 Advanced Inpatient Neurology		
	NEUR:8402 Advanced Outpatient Neurology		
	ORTH:8402 Sub-Internship Orthopedics- Trauma		
	PATH:8401 Autopsy Pathology Clerkship		
	PATH:8403 Surgical Pathology		
	PEDS:8403 Neonatal Intensive Care Unit		
	PEDS: 8410 Pediatric Neurology		
	RAD:8401 Advanced Clinical Radiology		
	Plastic Surgery - individually arranged		
	OPHT:8402 Neuro-Ophthalmology		
	OTO:8402 Advanced Otolaryngology		
Advanced Skills	RAD:8401 Advanced Clinical Radiology		
Other	MED:8403 Teaching Skills for Medical Students	Teaching, leadership, and global health skills are helpful for neurosurgeons	Timing will vary
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8480 Global Health Clerkship		

Special Considerations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation			X	
Research			X	

OB-Gyn Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy ACB:8402 Teaching Elective in Regional Anatomy	Abdominal and pelvic anatomy are an important foundation for the field of OBGyn	Dec-June
Specialty Specific Experiences <i>recommend two</i>	OBG:8403 Reproductive Endocrinology	Increase exposure to subspecialties within OBGyn- augment depth of knowledge and breadth of exposure.	Feb-August
	OBG:8405 Urogynecology		
	OBG:8407 Family Planning		
	OBG:8409 Ob/Gyn Night Float		
	OBG:8410 Translational Science in Reproductive Health		
	OBG:8450 Continuity of Care, Ob/Gyn		
	OBG:8451 Scientific Writing in Ob/Gyn		
	OBG:8497 Research in Ob/Gyn		
	OBG:8498 Ob/Gyn On-Campus		
	OBG:8499 Ob/Gyn Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	OBG:8402 Advanced Inpatient Sub-Internship Gynecologic Oncology	Preparation for general intern-year duties including skill development in patient care, prioritization and time management.	Timing will vary
	OBG:8401 Advanced Inpatient Sub-Internship High Risk Obstetrics		
	ANES:8402 Intensive Care (SNICU)	Preparation for intern year including call responsibilities, management of consultation and skill development in patient care, as well as prioritization and time management.	
	ANES:8495 Intensive Care Off-Campus		
	IM: 8424 Pulmonary Disease- Medical Intensive Care Unit		

OB-Gyn Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	DERM:8401 Dermatology Elective FAM:8402 University of Iowa Family Medicine (other Family Medicine options) FAM:8427 Maternity Care IM:8410 Clinical Allergy-Immunology IM:8414 Clinical Endocrinology IM:8422 Clinical Infectious Disease IM:8428 Adult Nephrology IM:8434 Clinical Rheumatology MED:8413 Oaths & Ethics MED:8416 Foundations in Healthcare Ethics	Preparation to consider, work-up and manage diverse pathology and disease processes commonly seen in women, as well as development of fundamental skills to provide global care for women of all ages.	Timing will vary
	EM:8411 Medical Toxicology, UIHC IM: 8455 Public Health Medicine, Des Moines PATH:8403 Surgical Pathology PSYC:8404 Women's Wellness & Counseling Service PSYC:8411 Substance Use SURG:8411 Multidisciplinary Breast	Exposure to specialties that are complementary to the care Generalist ObGyn and specialist ObGyn physicians provide to women of all ages; exposure, experience as well as development of knowledge and skills in these complementary specialties.	
Advanced Skills	RAD:8401 Advanced Clinical Radiology	Preparation for intern year including management of consultations, skill development in patient care, prioritization and time management.	Timing will vary
	SURG:8401 Advanced General Surgery		
	URO:8401 Advanced General Urology		Fall M4 year
	EM:8401 Intro to Advanced Life Support Skills		
Other	MED:8401 Medicine, Literature, and Writing	Optional electives - tailor to student interest to individualize & enrich experience.	Timing will vary
	MED:8403 Teaching Skills for Medical Students		
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8405 Leadership for Future Physicians		
	MED:8415 Financial Management for Rising Interns		
	MED:8480 Global Health Clerkship		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research	Does not have to be Ob/Gyn research		X	

Ophthalmology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8402 Teaching Elective in Regional Anatomy	Ocular, orbital and neurology anatomy are an important foundation for the field of ophthalmology. Not required.	Feb - May M3 year; Dec-June M4 year
Specialty Specific Experiences <i>recommend 3-4</i>	OPHT:8401 External Eye Disease	Increase the student's exposure of the field of ophthalmology and depth of knowledge. Additionally, students may find a mentor and develop a relationship for letters of recommendation	Feb M3 year - through Aug M4 year
	OPHT:8402 Neuro-Ophthalmology		
	OPHT:8405 Advanced Ophthalmology - VA		
	OPHT:8406 Ophthalmic Plastic & Reconstructive Surgery (with special permission from faculty)		
	OPHT:8404 Ocular pathology (with special permission from faculty)		
	OPHT:8403 Molecular Ophthalmology (with special permission from faculty)		
	OPHT:8498 Ophthalmology On-Campus	Generally a research oriented rotation	
	OPHT:8499 Ophthalmology Off-Campus	Away rotation	
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	IM: 8401 Advanced Inpatient Sub-Internship Internal Medicine	Will provide preparation for intern year, as well as provide skills in patient care and time management.	Timing will vary
	ANES:8402 Intensive Care (SNICU)	Will provide preparation for intern year, as well as provide skills in patient care and time management.	
	IM:8424 Pulmonary Disease - Medical Intensive Care Unit		

Ophthalmology Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	NEUR:8402 Advanced Outpatient Neurology	Ophthalmology has much overlap with neurology	Timing will vary
	IM:8434 Clinical Rheumatology	Ophthalmology has overlap with rheumatology	
Advanced Skills	IM:8413 EKG & Vascular Ultrasound	This rotation will provide preparation for intern year	Timing will vary
	EM:8401 Intro to Advanced Life Support Skills	This rotation will provide preparation for intern year, as well as train the student to be prepared for residency	Fall M4 year
	RAD:8401 Advanced Clinical Radiology	Important clinical skill at all stages of career	Timing will vary
Other	MED:8403 Teaching Skills for Medical Students	These are optional electives that should be tailored to the student's interests.	Timing will vary
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8405 Leadership for Future Physicians		
	MED:8401 Medicine, Literature, and Writing		
	MED:8480 Global Health Clerkship		
	Preferred Selectives: Anesthesiology, Dermatology, Otolaryngology	These rotations will prepare the student for work in the OR, as well as learn skills which will be integrated into their future career	

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research	OPTH:8498 Ophthalmology On-Campus		X	
Ophthalmology is an early match specialty				

Orthopedics Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8402 Teaching Elective in Regional Anatomy		Dec-June
Specialty Specific Experiences	ORTH:8402 Sub-Internship Orthopedics- Trauma		
	ORTH:8403 Sub-Internship Orthopedics- Adult	Exposes the student to similar responsibilities of an R1 with perioperative assessment and management with assisting in procedures and diagnoses of radiological studies. Students may find a mentor and develop a relationship for letter of recommendation.	Feb-June
	ORTH:8404 Intro to Physical Medicine & Rehabilitation		
	ORTH:8405 Physical Medicine & Rehabilitation		
	ORTH:8498 Orthopedics On-Campus		
	ORTH:8499 Orthopedics Off-Campus		
	Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i> <i>**recommend priority/preference given to SURG:8402</i>	IM: 8401 Advanced Inpatient Sub-Internship Internal Medicine	Will provide preparation for intern year, as well as provide skills in patient care and time management
SURG:8402 Advanced Inpatient Sub-Internship Surgery**			
ANES:8402 Intensive Care (SNICU)			

Orthopedics Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	NEUR:8402 Advanced Outpatient Neurology	Orthopedics has much overlap with neurology .	Timing will vary
	IM:8434 Clinical Rheumatology	Orthopedics has overlap with rheumatology.	
Advanced Skills	IM:8413 EKG & Vascular Ultrasound	This rotation will provide preparation for intern year	Timing will vary
	RAD:8401 Advanced Clinical Radiology		
Other	MED:8403 Teaching Skills for Medical Students		Timing will vary
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8405 Leadership for Future Physicians		
	MED:8401 Medicine, Literature, and Writing		
	MED:8480 Global Health Clerkship		
	Preferred selectives: Anesthesiology, Dermatology, Otolaryngology		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation			X	
Research			X	

Otolaryngology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	None		
Specialty Specific Experiences <i>**recommend priority/preference be given to OTO:8401 but can do both</i>	OTO:8401 Advanced Clinical Otolaryngology**	provide advanced clinical experience in Otolaryngology	Avoid times when our chair, vice chair or residency director are on vacation
	OTO:8499 Otolaryngology Off-Campus (cf. below)		Timing will vary
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i> <i>**recommend priority/preference given to SURG:8402</i>	ANES:8402 Intensive Care (SNICU)	Of the choices for a critical care rotation, a rotation in the SNICU will have the most relevance for future otolaryngologists as many of our patients stay in the SNICU post op.	First half of Advanced Years. The medical expertise and technical skills you will gain from these rotations will also prepare you well for your advanced otolaryngology elective
	SURG:8402 Advanced Inpatient Sub-Internship Surgery**	Will improve student surgical skills and prepare students to manage post-operative patients	First half of Advanced Years. Your advanced Otolaryngology elective includes inpatient care and working in the OR, and an early surgical sub I will prepare you well for this

Otolaryngology Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty <i>consider the anesthesia, ophthalmology and dermatology electives if they were unable to complete selectives in these specialties</i>	ANES:8401 Clinical Anesthesia Senior Rotation		Timing will vary
	DERM:8401 Dermatology Elective	Skin cancer, vascular malformations and inflammatory skin disorders often present to Otolaryngology if they occur in the head and neck	
	OPHT:8401 External Eye Disease	Management of facial trauma/plastics and sinus disease will require a solid baseline knowledge of ophthalmology disease processes	
	IM:8426 Pulmonary Disease - Consultation Service		
	NSG:8401 Sub-Internship Neurosurgery	Overlap with Otolaryngology (i.e. neurology) and many of our patients will have similar post operative problems	
	PEDS: 8406 Pediatric Pulmonology	Management of patients with sinus disease will often require treating coexisting allergies and reactive airway disease. The differentiation of upper airway obstruction from primary pulmonary processes will be an important skill to acquire for an otolaryngologist	
Advanced Skills	None		
Other	None		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research			X	
Oto has a personal statement requirement				

Pathology-Based Pathways

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	None		
Specialty Specific Experiences <i>recommend 3 of 4</i> <i>**high priority/preference</i> <i>Students who have completed the pathology externship see note at end of document</i>	PATH:8403 Surgical Pathology (AP)**	These specialty specific AP and CP pathology rotations will provide exposure and insight into pathology as a career choice as well as providing mentorship opportunities. **It is strongly recommended that students considering pathology as a career do both surgical and autopsy pathology as well as one of the other rotations.	Complete at least the AP rotations by end of August M4 year.
	PATH:8402 Hematopathology Clerkship (CP)		
	PATH:8401 Autopsy Pathology Clerkship (AP)**		
	PATH:8404 Transfusion Medicine (CP)		
	PATH:8498 Pathology On-Campus		
	PATH:8499 Pathology Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	ANES:8402 Intensive Care (SNICU)		Timing will vary
	IM:8424 Pulmonary Disease - Medical Intensive Care Unit		
	IM:8453 Medical ICU, Iowa Methodist		
	IM:8401 Advanced Inpatient Sub-Internship Internal Medicine		
	FAM:8401 Advanced Inpatient Sub-Internship Family Medicine		
	FAM:8406 Advanced Inpatient Sub-Internship Family Medicine, Cedar Rapids		
	FAM:8409 Advanced Inpatient Sub-Internship Family Medicine, Iowa Lutheran		
	FAM:8412 Advanced Inpatient Sub-Internship Family Medicine, Davenport		
	SURG:8402 Advanced Inpatient Sub-Internship Surgery		
	PEDS:8404 Pediatric Intensive Care Unit		
	IM:8451 Advanced Inpatient Sub-Internship Internal Medicine, Iowa Methodist		
	NEUR:8404 Advanced Inpatient Sub-Internship in Neurology		
	OBG:8402 Advanced Inpatient Gynecologic Oncology Sub-Internship		
	PEDS: 8401 Advanced Inpatient Pediatric Inpatient Sub-Internship		
	EM:8404 Emergency Medicine St. Luke's, Cedar Rapids		

Pediatrics Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	PEDS:8417 Community Pediatric Outpatient	These electives will help students explore General Pediatrics medicine. PEDS:8450 availability is subject to faculty availability.	Timing can vary. Neither of these are appropriate for letters of recommendation.
	PEDS:8450 Continuity of Care Outpatient Gen Peds		
Specialty Specific Experiences <i>recommend 1-3 advanced 4 week electives</i>	PEDS:8406 Pediatric Pulmonology	These electives will help students explore academic side of pediatrics, provide in-depth experience, and to allow mentoring and reliable opportunity for Letters of Recommendation.	Complete at least one during fourth semester or early in fifth semester (Feb-August) to facilitate LOR. Remainder may vary in timing.
	PEDS:8407 Pediatric Cardiology		
	PEDS:8408 Pediatric Gastroenterology		
	PEDS:8409 Pediatric Hematology/Oncology		
	PEDS:8410 Pediatric Neurology		
	PEDS:8412 Developmental & Behavioral Pediatrics		
	PEDS:8415 Medical Genetics for the Senior Student		
	PEDS:8419 Pediatric Rheumatology, Allergy, & Immunology		
	PEDS:8420 Pediatric Palliative Care		
	PEDS:8421 Pediatric Endocrinology		
	PEDS:8431 Pediatric Nephrology		
	PEDS:8499 Away rotation (Pediatrics Off-Campus)		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences for those interested in Pediatrics</i>	PEDS:8303 Neonatal Intensive Care Unit	These rotations allow for graduated responsibility in caring for hospitalized and critically ill patients as well as interactions with interprofessional healthcare providers.	Timing can vary. Not necessary (or practical) for all students to do before applying. Recommend doing early if still trying to confirm/refute career goals. The Advanced Sub-I rotations are not appropriate for letters of recommendation as students do not spend large amounts of time with the faculty.
	PEDS:8404 Pediatric Intensive Care Unit		
	PEDS:8416 Neonatal Intensive Care Unit- Blank Children's		
	PEDS:8418 Pediatric Intensive Care Unit- Blank Children's		
	PEDS:P8405 Blank Pediatrics Emergency Room		
	various EM:840X Emergency room		
	PEDS:8401 Advanced Inpatient Sub-Internship Pediatrics, UIHC		
	PEDS:8402 Advanced Inpatient Sub-Internship, Blank Children's, Des Moines		

Pediatrics Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty	Anesthesia, Radiology, Ophthalmology as a Selective, during Phase III if not already done	Students should perform a self-assessment to identify past experience, current deficiencies, and future goals. Students interested in pediatrics should spend majority of Phase III doing complementary experiences to allow for a well-rounded student and to provide in-depth experience with conditions likely to be encountered in the pediatric patient requiring consultation with outside services	Timing will vary
	DERM:8401 Dermatology Elective		
	EM:8411 Medical Toxicology, UIHC		
	FAM:8402 University of Iowa Family Medicine		
	FAM:8499 Family Medicine Off-Campus		
	FAM:8421 Primary Care Sports Medicine		
	IM: 8413 EKG & Vascular Ultrasound		
	OBG:8598 OB/Gyn On-Campus		
	OBG:8407 Family Planning		
	OTO:8498 Otolaryngology On Campus		
	PSYC:8402 Child Psychiatry		
	PSYC:8410 Intellectual Disabilities		
	PSYC:8413 The Thriving Physician		
	RAD:8498 Radiology On-Campus		
	SURG:(Various) General Surgery		
	URO:8402 Pediatric Urology		
	FAM:8401 Family Medicine Sub-Internship		
Advanced Skills	None		
Other	MED:8403 Teaching Skills for Medical Students	Teaching skills that will be utilized in Pediatric residency, if interested	Timing will vary
	MED:8414 Health Policy Advocacy, Des Moines	Advocacy in Medicine if interested	
	MED:8480 Global Health Clerkship	International Health if interested	

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research <i>Recommend considering research project (does not have to be in pediatrics) if anticipate future academic career</i>				X

Pediatric Neurology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	The practice of neurology requires a strong knowledge of neuroanatomy in addition to the understanding of mechanisms of illness. A more in-depth neuroanatomy review prior to entering a neurology residency supports this goal.	Feb - May M3 year or Jan - May M4 year
Specialty Specific Experiences <i>Recommend Pediatric Neurology; 1 of the 2 Advanced Neurology electives, and the Medical Genetics elective.</i>	PEDS: 8410 Pediatric Neurology	Recommended for students interested in entering pediatric neurology or gaining more experience in pediatric neurology.	Complete at least one of these electives by the end of September of the M4 year
	NEURO: 8401 Advanced Inpatient Neurology	These experiences will provide students with sufficient exposure and experience for both career decision planning and preparation for the Match and a residency in Pediatric Neurology.	
	NEURO: 8402 Advanced Outpatient Neurology		
	PEDS: 8415 Medical Genetics for the Senior Student		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i> <i>Recommend; **=High priority/preference.</i>	PEDS:8401 Advanced Inpatient Sub-Internship Pediatric, UIHC**	This elective provides graduated responsibility in caring for hospitalized and critically ill patients as well as interactions with interprofessional healthcare providers.	Complete at least one of these electives by the end of September of the M4 year.
	NEUR:8404 Advanced Inpatient Sub-Internship Neurology	Intensive course on inpatient stroke service. Serves to increase experience and confidence in localization, neurological exam skills, care of complicated medical patients, and development of in-depth understanding of neurological ailments.	
	PEDS:8303 Neonatal Intensive Care Unit	Thess electives provide graduated responsibility in caring for hospitalized and critically ill patients as well as interactions with interprofessional healthcare providers.	
	PEDS:8404 Pediatric Intensive Care Unit		

Broad-based Education Electives			
Experiences Complementary to Specialty	PEDS:8412 Developmental & Behavioral Pediatrics	Students should perform a self-assessment to identify past experience, current deficiencies, and future goals and to provide a well-rounded in-depth educational experience.	Timing will vary
	PSYC:8402 Child Psychiatry		
	OPHT:8402 Neuro-Ophthalmology		
	RAD:8402 Vascular & Interventional Radiology		
Advanced Skills	EM: 8401 Advanced Life Support	This elective will provide exposure to skills that are important for success in residency.	Jan - May M4 year
Other	MED:8401 Medicine, Literature and Writing	These rotations offer experiences in leadership and service as well as opportunities to engage in different practice settings.	Timing will vary
	MED:8403 Teaching Skills for Medical Students		
	Prioritized Selectives: Ophthalmology, Orthopedics, Otolaryngology, Radiology.		Timing will vary

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research (or Peds Neuro specific involvement)			X	

Physical Medicine & Rehabilitation Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Regional and Musculoskeletal anatomy are important foundations for PM&R	Dec-June
	ACB:8402 Teaching Elective in Regional Anatomy		
Specialty Specific Experiences <i>recommend both</i>	ORTH:8405 Physical Medicine & Rehabilitation	Physical Medicine & Rehabilitation encompasses a broad range of conditions across inpatient and outpatient settings	Feb-June
	ORTH:8416 Acute Inpatient Rehab IRH		
	ORTH individually arranged elective- PM&R Acute Inpatient Rehab, Iowa Rehabilitation Hospital (2 weeks)	Inpatient rehab is a core part of residency training	
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i> <i>IM Sub-Internship preferred, but not absolute</i>	IM: 8401 Advanced Inpatient Sub-Internship Internal Medicine IM: 8451 Advanced Inpatient Sub-Internship, Internal Medicine, Iowa Methodist, Des Moines		Timing will vary

Broad-based Education Electives			
Experiences Complementary to Specialty	Prioritized selectives during Phase III if not already completed: Orthopedics, Radiology, Urology		Timing will vary
	IM:8434 Clinical Rheumatology	Understanding mechanism of chronic inflammatory joint conditions	
	FAM:8405 Family Medicine Geriatrics	Chronic disease and disability	
	IM:8435 Palliative Care	Focus on improving function and quality of life despite prognosis	
	FAM:8421 Primary Care Sports Medicine	Non-surgical sports and musculoskeletal medicine are common in PM&R	
	NEUR:8401 Advanced Inpatient Neurology or NEUR:8402 Advanced Outpatient Neurology	Neurologic injury/disease causing impairment are commonly seen by PM&R	
Experiences for those Interested in Pediatric PM&R	PEDS:8401 Pediatric Advanced Inpatient Sub-Internship or PEDS:8402 Blank General Pediatrics Advanced Inpatient Sub-Internship	Preperation for intern year	Timing will vary
	PEDS:8410 Pediatric Neurology	Disability in children	
	ORTH:8409 Orthopedics- Pediatrics		
	PEDS:8412 Developmental & Behavioral Pediatrics		
	Advanced Skills	RAD:8401 Advanced Clinical Radiology	
Other	MED:8403 Teaching Skills for Medical Students		Timing will vary
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8405 Leadership for Future Physicians		
	MED:8401 Medicine, Literature, and Writing		
	MED: 8480 Global Health Clerkship		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Elective PM&R away rotation	not required but may be helpful if considering specific PM&R residencies			X
Research				X
Attend or presentation at Annual Iowa Academy of Physical Medicine & Rehabilitation Conference				X

Plastic Surgery Based- Pathways

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Plastic Surgery requires a strong knowledge of anatomy.	Jan - May M4 year
Specialty Specific Experiences <i>recommend all 3</i>	SURG:8401 Advanced General Surgery (Plastic Surgery)	The advanced surgery clerkship in Plastic Surgery will acquaint students with the breadth of the field, surgical techniques and the opportunity to work closely with individual faculty which is essential for obtaining letters of recommendation.	May through August M3/M4 year
	SURG:8498 Surgery On-Campus (Research)	Research experience is highly recommended for students applying directly to Plastic Surgery as is an away rotation.	February through August M3/M4 year
	SURG:8499 Surgery Off-Campus (away)		May through August M3/M4 year
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	SURG:8402 Advanced Inpatient Sub-Internship Surgery	These electives provide students a high level of responsibility in an intense learning environment.	Timing will vary
	ANES:8402 Intensive Care (SNICU)		
Advanced Skills	SURG:8460 Surgical Residency Preparation	4-week intensive course designed to provide an advanced understating of pre-operative, intra-operative, and post-operative care of patients, critical care knowledge, communication skills, and technical skills necessary for any surgical specialty.	Spring of M4 year. Offered 1x per year.

Broad-based Education Electives			
Experiences Complementary to Specialty	DERM:8401 Dermatology Elective	These rotations will increase students' acument and prepare them to take care of a wide range of patients.	Timing will vary
	ORTH:8402 Musculoskeletal Trauma		
	SURG:8401 Advanced Clinical Surgery (Burn Service)		
	SURG:8407 Surgical Trauma Critical Care, Iowa Methodist		
	SURG:8411 Multi-disciplinary Breast		
Advanced Skills	RAD:8401 Advanced Clinical Radiology	Skills in radiology and ACLS are important for students applying to plastic surgery or general surgery.	Timing will vary
Other	MED:8403 Teaching Skills for Medical Students	per student interest	Timing will vary
	MED:8405 Leadership for Future Physicians		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation			X	
Research		X		

Psychiatry Pathway

Broad-based Education Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Experiences Complementary to Specialty <i>**highly recommended</i>	IM:8414 Clinical Endocrinology**	Endocrine conditions can impact mental status. Psychiatric medications can have adverse endocrine effects. Diabetes management is a pervasive clinical issue in inpatient psychiatric settings.	Timing will vary
	PEDS: 8412 Developmental & Behavioral Pediatrics	Developmental, behavioral, and abuse/neglect issues in children are directly relevant to child psychiatry and also have continued impacts on adult mental / behavioral health.	
	EM:8411 Medical Toxicology, UIHC	Develop understanding of QI/PS process, interdisciplinary skills. Overdoses related to suicide attempts or use of addictive substances are common emergencies in the care of psychiatric patients. Other toxidromes like serotonin syndrome and neuroleptic malignant syndrome are serious potential complications of psychiatric management.	
	MED:8480 Global Health Clerkship	Develop ability to practice healthcare in cross-cultural setting.	
Advanced Skills	IM:8413 EKG & Vascular Ultrasound**	Many psychiatric medications have cardiac effects for which EKG monitoring is recommended.	Timing will vary
	EM:8401 Intro to Advanced Life Support Skills	Develop patient care skills related to emergency conditions.	Fall M4 year
Other	MED:8403 Teaching Skills for Medical Students	Directly relevant to students interested in medical education; skills are also generalizable to other teaching opportunities (working with other healthcare disciplines, educating patients, community awareness events, etc) that arise in psychiatric practice.	Timing will vary
	MED:8404 Advanced Teaching Skills for Medical Students		
	MED:8401 Medicine, Literature, and Writing		
	MED:8405 Leadership for Future Physicians	Develop supplemental skills that will support overall development as a physician leader.	
	MED:8416 Foundation in Healthcare Ethics		
	PSYC:8413 The Thriving Physician	Develop practices that will support personal wellness while working in a field that can be emotionally challenging at times. Skills are also valuable to offer future patients.	Spring M4 year

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X

Radiology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Anatomy is key to understanding Radiology	Feb - June M3 year
Specialty Specific Experiences <i>recommend 2 of 4</i> <i>**highest priority/preference for RAD:8401</i>	RAD:8401 Advanced Clinical Radiology**	These provide broad exposure to and experience in Radiology.	Timing will vary
	RAD:8402 Vascular & Interventional Radiology*		
	RAD:8498 Radiology On-Campus		
	RAD:8499 Radiology Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	IM: 8401 Advanced Inpatient Sub-Internship Internal Medicine*	Provide students with increased autonomy and exposure to procedures.	Timing will vary
	OBG:8402 Advanced Inpatient Sub-Internship Gynecologic Oncology		
	SURG:8402 Advanced Inpatient Sub-Internship Surgery		
	PEDS: 8401 Advanced Inpatient Sub-Internship Pediatric		
	IM:8424 Pulmonary Disease - Medical Intensive Care Unit		
	ANES:8402 Intensive Care (SNICU)		

Broad-based Education Electives			
Experiences Complementary to Specialty	NEUR:8401 Advanced Inpatient Neurology	These are all great to supplement Radiology	Timing will vary
	SURG:8401 Advanced General Surgery		
	FAM:8402 University of Iowa Family Medicine		
Advanced Skills	IM:8413 EKG & Vascular Ultrasound	Promotes the development of advanced skills.	Timing will vary
Other	MED:8403 Teaching Skills for Medical Students	Offers experience in leadership, teaching and service.	Timing will vary

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X
Radiology Externship			X	
Pathology Externship				X

Interventional Radiology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Anatomy, particularly vascular anatomy, is key to understanding both interventional and diagnostic radiology	Feb - June M3 or M4 year
Specialty Specific Experiences <i>recommend 2 of 4</i>	RAD:8401 Advanced Clinical Radiology**	These provide broad exposure to radiology with a focus on interventional radiology.	Timing will vary. Recommend RAD:8402 before doing additional rotations off-campus.
	RAD:8402 Vascular & Interventional Radiology*		
	RAD:8498 Radiology On-Campus		
	RAD:8499 Radiology Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i> <i>*Preference for SURG:8402 and ANES:8402 in preparation for surgical internship</i>	SURG:8402 Advanced Inpatient Sub-Internship Surgery* (preference for vascular or transplant teams)	Provide students with increased autonomy and exposure to procedures.	Timing will vary. Sub-internships should be completed with enough time to receive letters of recommendation.
	IM: 8401 Advanced Inpatient Sub-Internship Internal Medicine		
	OBG:8402 Advanced Inpatient Sub-Internship Gynecologic Oncology		
	NSG:8401 Sub-Internship in Neurosurgery (preference for neurovascular team)		
	IM:8424 Pulmonary Disease - Medical Intensive Care Unit		
	ANES:8402 Intensive Care (SNICU)*		

Broad-based Education Electives			
Experiences Complementary to Specialty	SURG:8401 Advanced General Surgery (preference for vascular or transplant teams based on sub I exposure)	Additional surgical experience to prepare for clinical nature of IR.	Timing will vary
	ANES:8401 Clinical Anesthesia Senior Rotation	IRs must understand good procedural sedation practices and monitoring.	
	ANES:8403 Chronic Pain Management	Minimally invasive spine interventions and outpatient experience complementary to IR.	
	IM:8416 Clinical Gastroenterology-Hepatology	Many referrals come from GI, so understanding their work is vital.	
	IM:8412 Clinical Cardiology	Significant overlap in patient population and interventional techniques.	
Advanced Skills	None		
Other	MED:8403 Teaching Skills for Medical Students	Offers experience in leadership, teaching and service.	Timing will vary
	IM: 8449 Editorial Writing for Medical Students	IR is a new speciality and requires strong voice to advocate for its success.	

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research			X	
Radiology Externship			X	
Pathology Externship				X

Radiation Oncology Pathways

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	Understanding cross sectional anatomy is key to understanding the field design to target tumors for radiation while minimizing injury to surrounding tissues.	Feb - May M3 year or January - May M4 year. Ideally students will have taken RADO: 8401 prior to this experience.
Specialty Specific Experiences <i>recommend RADO:8401 with high priority/preference and 2 of the remaining 3 specialty-based electives</i>	RADO: 8401 Radiation Oncology**	Important for career decision and as a gate way experience for the other specialty experiences	Early in Feb-May M3 year
	RADO:8498 Radiation Oncology Special Study On Campus (research)	Research experience valued highly in match process	Early in Feb-May M3 year but after RADO: 8401
	RADO:8499 Radiation Oncology Special Study Off Campus	Cf. Special Considerations	May - Sep/Oct M4 year
	RADO:8498 Radiation Oncology Special Study On Campus	Student works with faculty to design a curriculum to study tumor biology, tumor genetics and tumor markers	Jan - May M4 year
Experiences that provide intensity and a high level of supervised independence: Recommended ICU and Advanced Inpatient Sub-Internship Experiences <i>recommend either MICU or SNICU in that order</i>	Any advanced inpatient sub-internship; slight preference for Internal Medicine (IM:8401)	Provide student with experience recognizing, stabilizing and caring for critically ill patients	May M3 year - May M4 year
	IM: 8424 Pulmonary Disease-Medical Intensive Care Unit		
	ANES: 8402 Intensive Care (SNICU)		

Broad-based Education Electives			
Experiences Complementary to Specialty	SURG:8411 Multidisciplinary Breast	provide a broad based medical education as well as additional experiences pertinent to Radiation Oncology	Timing will vary
	PEDS: 8409 Pediatric Hematology/Oncology		
	IM:8418 Hematology Oncology		
	IM:8435 Palliative Care		
Advanced Skills	RAD:8401 Advanced Clinical Radiology		Timing will vary
Other	MED: 8405 Leadership for Future Physicians (2 weeks)	These rotations offer experiences in leadership and service as well as opportunities to engage in different practice settings.	Timing will vary
	MED: 8480 Global Health Clerkship (4, 6 or 8 weeks)		
	Preferred Selectives: Dermatology, Ophthalmology, Orthopedics, Otolaryngology, Radiology, Urology	Selectives that are preferred	

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation			X	
Research			X	

Surgery Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	None		
Specialty Specific Experiences <i>recommend 1-2</i>	SURG:8401 Advanced General Surgery	These advanced surgical electives provide students with a broad exposure to general surgery. Students may spend time with our faculty on a research elective.	Spring M3 or Summer M3/4 (June, July, Aug)
	SURG:8411 Multidisciplinary Breast		
	SURG:8406 General Surgery, Iowa Methodist		
	SURG:8409 General Surgery, Genesis/Davenport		Spring M4
	SURG:8460 Surgical Residency Preparation		Summer /Fall M4
	SURG:8498 Surgery On-Campus		
	SURG:8499 Surgery Off-Campus (away)		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	SURG:8402 Advanced Inpatient Sub-Internship Surgery	These electives provide students a high intensity learning environment with added independence.	Spring M3 or Summer M3/4 (June, July, Aug)
	ANES:8402 Intensive Care (SNICU)		
	SURG:8407 Surgical Trauma Critical Care, Iowa Methodist		

Broad-based Education Electives			
Experiences Complementary to Specialty	IM:8435 Palliative Care	These rotations will help students further develop the clinical and communication skills and deepen the knowledge needed to effectively care for patients.	Timing will vary
	PATH:8403 Surgical Pathology		
Advanced Skills	RAD:8401 Advanced Clinical Radiology	Skills in radiology and ACLS are important for students applying to general surgery.	Timing will vary
Other	MED:8480 Global Health Clerkship	per student interest	Timing will vary
	MED:8403 Teaching Skills for Medical Students		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation				X
Research				X

Urology Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty <i>recommend 1 of 2</i>	ACB:8401 Advanced Human Anatomy	Understanding of anatomy and pathology as it relates to intra-abdominal pathology	Feb - June of M3 year or January - May of M4 year
	PATH:8401 Autopsy Pathology Clerkship		
Specialty Specific Experiences <i>recommend 2 of 4</i>	URO:8401 Advanced General Urology		April M3 year through September M4 year
	URO:8402 Pediatric Urology		
	URO:8403 Urology Oncology		
	URO:8499 Urology Off-Campus		
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	SURG:8402 Advanced Inpatient Sub-Internship Surgery	Will help with procedural skills and care of post-operative patients	Feb - June of M3 year or January - May of M4 year
	ANES:8402 Intensive Care (SNICU)		
	PEDS: 8404 Pediatric Intensive Care Unit		
	PEDS: 8403 Neonatal Intensive Care Unit		
	IM: 8424 Pulmonary Disease - Medical Intensive Care Unit		Timing will vary

Broad-based Education Electives			
Experiences Complementary to Specialty	SURG:8401 Advanced General Surgery	These rotations will help students further develop the clinical and communication skills and deepen the knowledge needed to effectively care for patients.	Feb-March/April M3 year
	OBG:8403 Reproductive Endocrinology		
	PEDS: 8421 Pediatric Endocrinology		
	OBG:8405 Urogynecology		December-June
	IM:8428 Adult Nephrology		
	PEDS: 8431 Pediatric Nephrology		Jan-June or December-June
	ANES:8401 Clinical Anesthesia Senior Rotation		
	NEUR:8401 Advanced Inpatient Neurology		
	NEUR:8402 Advanced Outpatient Neurology		
	RAD:8402 Vascular & Interventional Radiology		December-June
	IM:8422 Clinical Infectious Disease		
Advanced Skills	RAD:8401 Advanced Clinical Radiology	Interpreting radiographic images is a critical skill for all physicians	Timing will vary

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
Away Rotation			X	
Research			X	
Urology is an early match specialty				

Vascular Surgery Pathway

Recommended Specialty Specific Electives			
Elective Category: Focus/Developmental area	Partial List of Relevant Rotations	Broad Rationale	Timing
Foundational Areas Relevant to Specialty	ACB:8401 Advanced Human Anatomy	anatomy of the vascular system is central to vascular surgery	Spring M3 or M4 year
	PATH:8401 Autopsy Pathology Clerkship		
Specialty Specific Experiences	SURG:8401 Advanced General Surgery	advanced surgical training is important for residency in surgery specialties	May M3 through August M4 year
	SURG:8406 General Surgery, Iowa Methodist		
	SURG:8460 Surgical Residency Preparation		Spring M4
Experiences that provide intensity and a high level of supervised independence: <i>Recommended ICU and Advanced Inpatient Sub-Internship Experiences</i>	SURG:8402 Advanced Inpatient Subinternship Surgery	provides exposure to the full spectrum of vascular surgery	May M3 through August M4 year
	ANES:8402 Intensive Care (SNICU)	Critical care is an essential component of vascular surgical practice	M4 year

Broad-based Education Electives			
Experiences Complementary to Specialty			
Advanced Skills	IM:8413 EKG & Vascular Ultrasound		
	RAD:8401 Advanced Clinical Radiology		
Other	None		

Special Recommendations				
	Comments	A Must	Highly Recommended	Student Choice
SURG:8499 Surgery off-campus			X	
Surg:8497 Research Surgery			X	

These data represent mean percentage of possible honors points and range by the end of the M3 year, and mean first attempt Step 2 CK scores and range for the last three to five years of Carver College of Medicine students matching into various specialties. The percentage of applicants not directly matching in a specialty is also given. These data are only meant as a guide. There are many factors that determine if and where a student matches, including where a student interviews, how well they do on their interviews, the length of their rank order list, and application items, such as their CV, extra-curricular activities, personal statement, and letters of reference.

*Percent of possible honors points is calculated by taking the number of honors points earned divided by the number possible. The number earned is equal to the semester hours of a course multiplied by 1 for Honors and 0.5 for Near Honors. The total number of honors hours possible equals the sum of all semester hours for all non-pass-fail courses. For example, an M1 student who honors Anatomy and near honors Foundations and MOHD I will have earned 11.5 honors points: 5 (Anatomy) + 2.5 (Foundations) + 4 (MOHD I). Those 11.5 points equal 64% of the 18 points possible.

Anesthesiology			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
37%	5.6% – 87.8%	245.7	217 – 273

17% of applicants did not match in this specialty.

Child Neurology			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
39.5%	2.0% – 78.2%	234.7	203 – 264

Dermatology			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
60.9%	18.4% – 94.4%	258.1	235 – 278

17% of applicants did not match in this specialty.

Emergency Medicine			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
38.5%	5.2% – 89.2%	247.3	211 – 276

10% of applicants did not match in this specialty.

Family Medicine			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
29.6%	0.0% – 80.7%	241.8	203 – 270

1% of applicants did not match in this specialty.

Internal Medicine			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
35.4%	0% – 86.6%	246.6	211 – 275

3% of applicants did not match in this specialty.

Neurological Surgery			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
62.1%	8.7% – 83.3%	251.3	241 – 266

20% of applicants did not match in this specialty.

Neurology			
% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
38.7%	0% – 89.2%	246.5	219 – 272

Obstetrics and Gynecology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
43.6%	5.3% – 90.7%	248.5	224 – 282

18% of applicants did not match in this specialty.

Ophthalmology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
59.8%	0% – 92%	250.6	219 – 276

4% of applicants did not match in this specialty.

Orthopedics

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
58.5%	0% – 89.3%	258.4	232 – 272

28% of applicants did not match in this specialty.

Otolaryngology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
66.9%	16.4% – 92%	260.1	251 – 271

16% of applicants did not match in this specialty.

Pathology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
39.8%	2.6% – 93.6%	241.8	203 – 266

Pediatrics

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
29.8%	0% – 87.7%	242.5	197 – 278

Physical Medicine and Rehabilitation

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
48.8%	10.7% – 80.9%	255.1	237 – 267

Psychiatry

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
27.9%	4.9% – 86.0%	242.1	221 – 277

14% of applicants did not match in this specialty.

Radiology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
44.4%	7.0% – 87.7%	247.6	216 – 277

10% of applicants did not match in this specialty.

Radiation Oncology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
68.6%	37.5% – 90%	252.6	239 – 269

Surgery

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
35.7%	6.8% – 88.0%	248.2	221 – 265

4% of applicants did not match in this specialty.

Urology

% of Honors Points		Step 2 CK	
Mean	Range	Mean	Range
47.9%	24.1% – 86.4%	250.1	239 – 264

18% of applicants did not match in this specialty.