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## Child Health (CH\_HTH)

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### **CH\_HTH 6000: Child Health Clerkship**

Students have the opportunity to learn about common illnesses and abnormalities in children. Emphasis also is placed on the importance of preventive and developmental aspects of child care. Lectures and case presentations correlate with the clinical experiences.

**Credit Hours:** 8

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### **CH\_HTH 6010: Rural Child Health Clerkship**

Rural Child Health Clerkship

**Credit Hours:** 8

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### **CH\_HTH 6020: Springfield Child Health Clerkship**

Students have the opportunity to learn about common illnesses and abnormalities in children. Emphasis also is placed on the importance of preventive and developmental aspects of child care. Lectures and case presentations correlate with the clinical experiences.

**Credit Hours:** 8

**Prerequisites:** Successful completion of the first two years of medical school

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### **CH\_HTH 6037: SCC Pediatric Intensive Care**

Student will learn the initial approach and daily management of children requiring care in the Pediatric Intensive Care Unit. Students will learn the evaluation of and the management of critically ill or injured children focusing on airway and pulmonary physiology, cardiac physiology, neurological diseases, traumatic injuries, acute overdoses, endocrine emergencies, basic fluid management, and the medically complex child. Pharmacologic and nutritional management of the critically ill or injured child will also be reviewed.

**Credit Hours:** 5

**Prerequisites:** Successful completion of 5 of the 7 core clerkships. One of the 5 must be the Child Health clerkship. CH\_HTH 6000, CH\_HTH 6010, CH\_HTH 6020, or CH\_HTH 6100

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### **CH\_HTH 6043: SCC Pediatric Allergy and Immunology**

This subspecialty elective emphasizes experience in the evaluation and management of common clinical problems in allergy and immunology. The learner will assist in the diagnosis and management of asthma, rhinitis/conjunctivitis/rhinosinusitis, atopic dermatitis, contact dermatitis, urticaria, angioedema, anaphylaxis and adverse reactions to foods, drugs and stinging insects. Additional experience in immunodeficiency disorders, as well as experience in allergy skin testing, administration of allergen immunotherapy, performance and interpretation of pulmonary function tests, and performance of food challenges and/or drug challenges/desensitizations may also be provided. Outpatients will be

evaluated by the student under supervision of the faculty physician. In addition, it is expected that the learner will complete recommended readings, participate in selected on-line learning activities and complete both pre-test and post-test assessments.

**Credit Hours:** 5

**Recommended:** Successful completion of the Child Health clerkship

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### **CH\_HTH 6045: SCC Neonatal Intensive Care Unit Selective**

Students will gain experience in the evaluation, diagnosis, and management of sick newborns, and in the performance of specialized procedures necessary for ICU care.

**Credit Hours:** 5

**Prerequisites:** Successful completion of 5 of the 7 core clerkships. One of the 5 must be Child Health clerkship

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### **CH\_HTH 6055: Springfield Pediatric Endocrinology**

This rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician. This elective will present an in-depth experience of diabetes/endocrinology as a subspecialty, including but not limited to exposure to disorders in growth and puberty, obesity, abnormalities in thyroid function, and managing blood glucose levels in patients with type 1 diabetes. Additional teaching methods used may include mini-lectures and readings relevant to this subspecialty.

**Credit Hours:** 5

**Prerequisites:** Successful completion of the first two years of medical school. Completion of M3 CH clerkship suggested but not required

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### **CH\_HTH 6060: LINC Child Health Clerkship**

A Longitudinal Integrated Clerkship (LINC) includes medical students in patient care over time, allowing enduring learning relationships to develop with patients and physician-teachers. Students will meet required core clinical competencies in multiple disciplines through interleaved, longitudinal experiences over the course of the clinical training year. In contrast to a block curriculum, students meet and follow their patients across multiple settings of care and different disciplines.

**Credit Hours:** 8

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### **CH\_HTH 6100: Remediation Child Health Clerkship**

Enrolled students are those who received an unsatisfactory grade in a Child Health Clerkship at any Mizzou Med location or site. This course gives them the opportunity to rectify a deficiency.

**Credit Hours:** 8

**Prerequisites:** CH\_HTH 6000 Child Health Clerkship, received unsatisfactory grade

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**CH\_HTH 6109: Re-Remediation of Child Health Clerkship**

Re-Remediation of Child Health Clerkship.

**Credit Hours:** 8

**Prerequisites:** First two years of medical school

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**CH\_HTH 6120: Remediation of Springfield Child Health Clerkship**

Students have the opportunity to learn about common illnesses and abnormalities in children. Emphasis also is placed on the importance of preventive and developmental aspects of child care. Lectures and case presentations correlate with the clinical experiences.

**Credit Hours:** 8

**Prerequisites:** Successful completion of the first two years of medical school

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**CH\_HTH 6160: LINC Remediation Child Health Clerkship**

Remediation of the LINC Child Health Clerkship.

**Credit Hours:** 8

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**CH\_HTH 6221: Advanced Biomedical Science Medicine Problem Premature Infant**

Advanced Biomedical Science Medicine Problem Premature Infant

**Credit Hours:** 5

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**CH\_HTH 6223: ABS Child Health Research**

ABS Child Health Research

**Credit Hour:** 5-10

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**CH\_HTH 6225: ABS Child Health Research and Review**

ABS Child Health Research and Review

**Credit Hour:** 5-10

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**CH\_HTH 6425: Child Health Genetics**

Goals/Objectives: To develop an understanding of medical genetics, including genetic diagnosis, cytogenetics, metabolic genetic diseases, teratology, and the genetics literature, and computer databases.

CURRICULUM: During the block, each student will see patients in consultation and in the genetics clinics (general genetics, metabolic, PKU, autism, Down Syndrome, outreach) where they will work up the patients and prepare a report and discussion of the diagnosis or diagnostic differential. Each student will also prepare a literature review around a specific patient or problem. For interested students, cytogenetics or metabolic problems are available.

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**Credit Hours:** 5

**Prerequisites:** Child Health clerkship

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**CH\_HTH 6426: Child Health Infectious Disease**

Child Health Infectious Disease

**Credit Hours:** 5

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**CH\_HTH 6427: Pediatric Hematology/Oncology**

Pediatric Hematology/Oncology

**Credit Hours:** 5

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**CH\_HTH 6428: Pediatric Diabetes and Endocrinology**

Goals/Objectives: 1) To understand the pathophysiology of endocrine and metabolic diseases in childhood. 2) To understand the fundamentals of growth processes in infancy, childhood, and adolescence.

CURRICULUM: The Department of Child Health has a large patient care and research program for children with diabetes mellitus. In addition, the Department has a busy general endocrinology program. Thus, students on the elective can participate in the care of patients with a wide spectrum of endocrine and metabolic diseases. Students can carry out specific clinical or laboratory projects relating to specific aspects of either diabetes or endocrine disease, deepen their understanding of pathophysiology of disease and gain a better understanding of the impact of a chronic disorder on the child and his/her family.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6429: Developmental Pediatrics**

Developmental Pediatrics

**Credit Hours:** 5

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**CH\_HTH 6430: Pediatric Cardiology**

Goals/Objectives: Clinical and laboratory material is available to achieve the following objectives: 1) Develop skills in auscultation, resuscitation, treatment of congestive heart failure, and recognition of congenital heart disease in infants. 2) Adequate exposure to pediatric electrocardiography, echocardiography, cineangiography, and interpretation of cardiac catheterization data. 3) Proficiency in the management of postoperative cardio-vascular patients.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6431: Pediatric Pulmonology**

Goals/Objectives: To gain experience in the treatment of asthma, bronchopulmonary dysplasia, cystic fibrosis, sleep disorders, and other

respiratory diseases and to learn about pulmonary function testing in children.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6432: Pediatric Gastroenterology**

Goals/Objectives: 1) Gain experience in GI diseases of children noting the difference and similarities with adult diseases. 2) To introduce the student to some of the most commonly encountered diagnoses in pediatrics and to its management. 3) To learn to focus on physical diagnosis skills. CURRICULUM: Preceptorship with a pediatric subspecialist for four weeks will include inpatient and outpatient service activities.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6434: Child Adolescent Medicine**

Goals/Objectives: To teach 4th year students the intricacies of care of the adolescent patient. Specifically, the rotation will address the adolescent interview, important considerations in the adolescent "check-up", and managing the varied problems in adolescents, from attention deficit disorder to eating disorders and gynecological issues. The student will leave the rotation with a better understanding of the care of adolescents. CURRICULUM: These objectives will be met in the following manner: 1) Student will actively participate in adolescent medicine clinic with both clinical attendings. He/she will be responsible for the initial evaluation of the patients in the clinic, will actively participate in clinical decision-making, and will be responsible for helping with patient write-ups and referral letters (at the discretion of the attending). The student will be expected to function on an extern level, following up on laboratory evaluations and checking in with patients seen, when needed. 2) The student will participate in the adolescent interview practice sessions with the interact teen theatre with the residents on the rotation. This process will help to improve interviewing skills with adolescents. 3) The student will be responsible for helping with any inpatient care, including consultations and/or admissions. 4) The student will be asked to identify particular areas of interest to be used as topics for interactive discussion with one of the attendings or for a short paper.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6435: Ped Renal and Rheumatology**

4th year elective for renal/rheumatology rotation, four weeks.

**Credit Hours:** 5

**Prerequisites:** 3rd year Pediatrics/Child Health or Internal Medicine rotation

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**CH\_HTH 6726: Child Health Rural Elective**

Students will enhance their knowledge about patient-centered care of children through active participation in a primarily outpatient clinical experience. Limited inpatient experience may be offered as well.

**Credit Hours:** 5

**Prerequisites:** CH\_HTH 6000; restricted to medical students only

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**CH\_HTH 6825: General Child Health - Inpatient**

Goals/Objectives: To provide additional experience in general pediatrics in inpatient care. CURRICULUM: The student will function as a member of the house staff team assuming many of the roles of the first year resident in patient care. This includes working up of patient's management plans, rounding, staffing, conferences, etc. Night coverage with supervision is included.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6826: General Child Health - Outpatient**

Goals/Objectives: To provide additional experience in general pediatrics in outpatient care. CURRICULUM: The student will function as a member of the healthcare team. This includes taking histories, performing physical exams, and working up patient management plans. This may require working evening clinic and Saturday clinic in addition to regular daytime clinics.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6827: Neonatology/Neonatal Intensive Care Unit**

Goals/Objectives: To gain experience: 1) in the evaluation, diagnosis, and management of sick newborns, and 2) in the performance of specialized procedures necessary for ICU care. CURRICULUM: The student will function as a first-year house officer, with his/her own neonatal ICU patients for initial work-up and management, under the supervision of the PL-2 or PL-3 and attending staff. (rotation at Columbia Regional Hospital)

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6828: Pediatric Intensive Care Unit**

Goals/Objectives: 1) To provide the student with the initial approach and management of children requiring care in the Pediatric Intensive Care Unit. 2) To provide the student with the basics of airway management in children. 3) To provide the student with an understanding of the preoperative assessment with preparation of pediatric patients. 4) To provide the student with an introduction to the perioperative management of common pediatric surgical problems. CURRICULUM: Students in this elective will spend time in both the Pediatric ICU and the operating rooms. They will be required to participate in daily rounds in the PICU and follow the medical/surgical patients admitted to the PICU.

**Credit Hours:** 5

**Prerequisites:** Child Health Clerkship

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**CH\_HTH 6829: Pediatric Neurology**

Pediatric Neurology

**Credit Hours:** 5

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**CH\_HTH 6830: Springfield Pediatric Neurology**

Management of common pediatric neurology issues such as: episodic/paroxysmal disorders, seizures, headaches, developmental delay, cerebral palsy, muscle disorders, etc.

**Credit Hours:** 5

**Prerequisites:** Successful completion of 5 of the 7 core clerkships.

Three of the 5 must be Child Health clerkship, Psychiatry clerkship and Neurology clerkships

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**CH\_HTH 6912: Introduction to Adolescent Medicine**

The rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician on service. In addition to learning and practicing primary care of adolescent patients the elective will present an in-depth experience of adolescent medicine as a subspecialty, including, but not limited to, conditions such as eating disorders, disorders of puberty and menstruation, obesity, ADHD, and substance abuse. Additional teaching methods used include a pre-post test, lectures, and readings relevant to adolescent medicine. Completion of the Child Health Clerkship: CH\_HTH 6000 and CH\_HTH 6010.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school

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**CH\_HTH 6913: Introduction to Pediatric Endocrinology**

The rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician on service. The elective will present an in-depth experience of diabetes/endocrinology as a subspecialty, including, but not limited to, exposure to disorders in growth and puberty, obesity, abnormalities in thyroid function and managing blood glucose levels in patients with type 1 diabetes. Additional teaching methods used may include lectures and readings relevant to this subspecialty.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school

**Recommended:** Completion of the Child Health Clerkship (CH\_HTH 6000 or CH\_HTH 6010) is suggested but not required

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**CH\_HTH 6951: SCC Pediatric Allergy and Immunology 2 week**

This subspecialty elective emphasizes an introductory experience in the evaluation and management of common clinical problems in allergy and immunology. The learner will assist in the diagnosis and management of asthma, rhinitis/conjunctivitis/rhinosinusitis, atopic dermatitis, contact dermatitis, urticaria, angioedema, anaphylaxis and adverse reactions to foods, drugs and stinging insects. Additional experience in immunodeficiency disorders, as well as experience in allergy skin testing, administration of allergen immunotherapy, performance and interpretation of pulmonary function tests, and performance of food challenges and/or drug challenges/desensitizations may also be provided. Outpatients will be evaluated by the student under supervision of the faculty physician. In addition, it is expected that the learner will complete recommended readings, participate in selected on-line learning activities and complete both pre-test and post-test assessments.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school

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**CH\_HTH 6953: Springfield Neonatal Intensive Care Unit 2-Week**

The course goals are for the student to gain knowledge and experience in the evaluation, diagnosis, and management of sick newborns, and in the performance of specialized procedures necessary for ICU care. The student will demonstrate an introductory-level working understanding of these areas.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school and a core rotation in family medicine or pediatrics

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**CH\_HTH 6965: Springfield Intro to Pediatric Endocrinology**

This rotation is primarily an outpatient experience, though the student may be asked to do inpatient consultations with the attending physician. This elective will present an in-depth experience of diabetes/endocrinology as a subspecialty, including but not limited to exposure to disorders in growth and puberty, obesity, abnormalities in thyroid function, and managing blood glucose levels in patients with type 1 diabetes. Additional teaching methods used may include mini-lectures and readings relevant to this subspecialty.

**Credit Hours:** 2

**Prerequisites:** Successful completion of the first two years of medical school. Completion of M3 CH clerkship suggested but not required

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